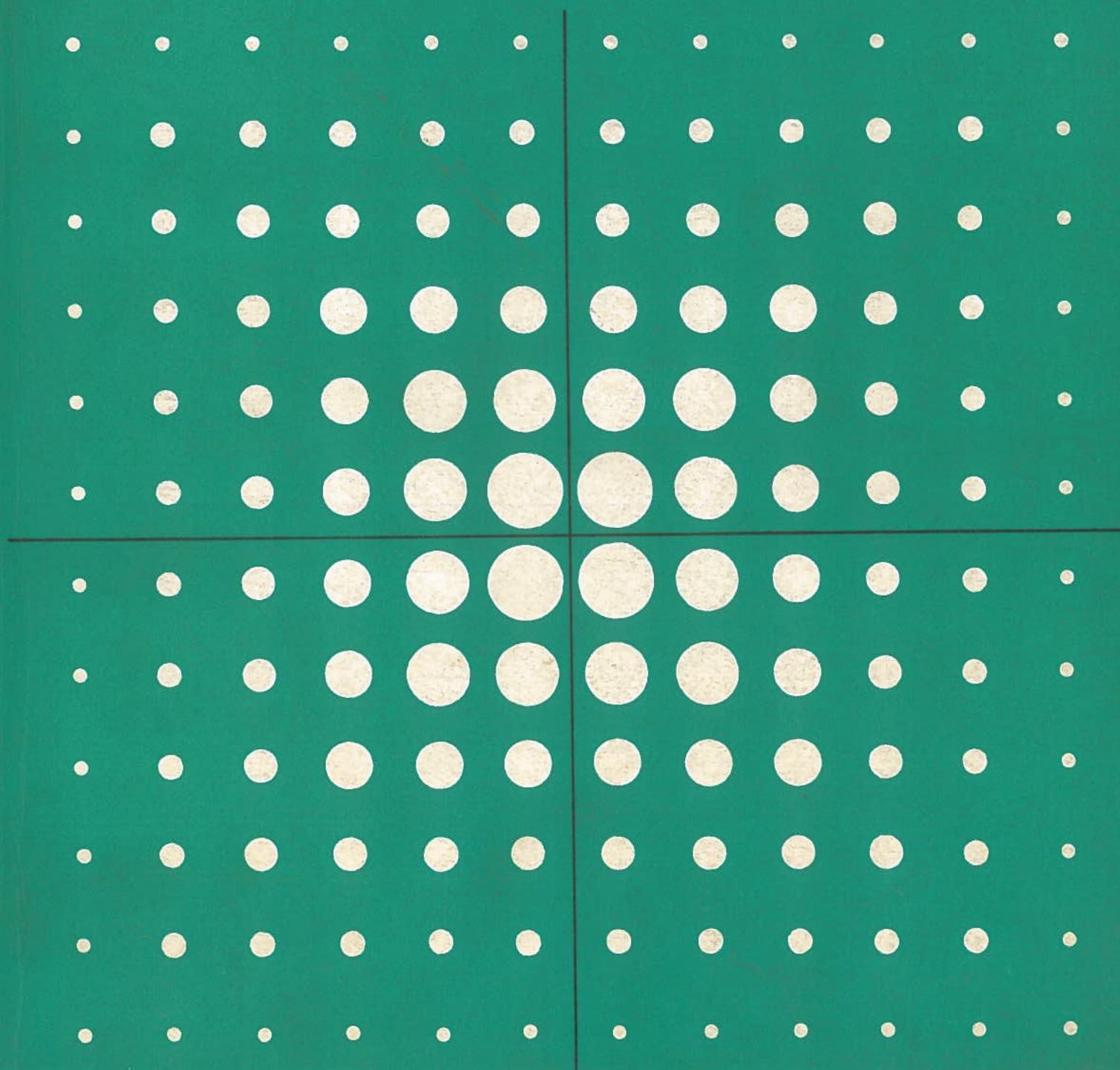


I/a

report on the 1960 world census of agriculture

CENSUS RESULTS BY COUNTRIES

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS



REPORT ON THE 1960 WORLD CENSUS OF AGRICULTURE

Volume I - Part A

CENSUS RESULTS BY COUNTRIES

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
ROME, 1966**

Definitions of symbols used in the tables:

- None, in negligible quantity (less than one half of the unit indicated) or entry not applicable.
- ... Data not available.
- () Component of a total.

P.V. SUKHATME,
Director, Statistics Division

C.P.G.J. SMIT,
Chief, Census and Social Statistics Branch

R. ZASEPA, Editor

PREFACE

The world census of agriculture has been a major project of the Food and Agriculture Organization of the United Nations (FAO) from its very inception, and is intended to serve two main purposes:

1. Introduce and improve agricultural statistics in countries where these are lacking or unsatisfactory.
2. Obtain international comparable statistics on agricultural structure.

The 1950 world census of agriculture was the first attempt by FAO to secure comparable statistics on agricultural structure. The results of this census have been made available in a series of publications. With the publication of the present volume of the *Report on the 1960 world census of agriculture, Census results by countries*, the Organization begins the series of publications on the 1960 census. The aim of this publication, which is the first of the series, is primarily to provide, in a unified form, census results for countries that have participated in the 1960 world census of agriculture.¹ These data otherwise can be found only in scores of national census reports presented in diverse forms in many different languages and therefore not readily accessible to the reader. It is intended to issue Volume I in three parts: A, B and C. This publication is Part A. Other parts will be issued as final results from other countries become available and are processed in FAO. The report will include census figures for only those countries which complied with the following definition of an agricultural census: "A government-sponsored operation for the collection of quantitative information on agricultural structure, using as a unit of enu-

meration the agricultural holding, and covering the whole country (or territory) within a single agricultural year." In this respect, therefore, the report is different from the 1950 one, which included, for several countries and territories, data not collected holdingwise, but obtained by rough estimates or intelligent guesses. Part A includes information on 25 countries and territories for which the Organization has received the final national reports.² The *Program for the 1960 world census of agriculture*³ constituted the framework for the world census. In addition, regional census programs prepared within the framework of the World Program were also drawn upon by countries in preparing their national census plans; hence, this publication contains, in addition to items of the world census program, certain census items characteristic of individual regions, for example, production of livestock products in the Americas.

Data on crops not mentioned in any of the census programs, but for which some countries collected information because they were of substantial importance from the national point of view, are also included in exceptional cases.

Furthermore, comparative tables from the 1950 and 1960 censuses have been included to provide an idea of the changes in the agricultural structure of the countries during this ten-year period, even though these tables are limited to selected items.

The selection of comparable items for crops required a certain discrimination. Generally, the area or number criteria, that is, crops showing the largest area or the largest number of trees, were used. In certain cases additional criteria

¹ As participating countries are considered those conducting censuses between 1958 and 1964.

² Provisional census results for 57 countries and territories have been published in the *FAO Monthly Bulletin of Agricultural Economics and Statistics*.

³ Published by FAO in Rome in 1957.

were applied as, for instance, the economic value of the crops, the amount of production or the magnitude of the changes during the period of the two censuses.

Even for the selected items it needs to be stressed that the figures for 1950 and 1960 are not always strictly comparable. There are many factors affecting this comparability, for example, coverage of items, periods of enumeration, time reference and use of different concepts and definitions. It is considered, however, that the data presented here for the two censuses are adequate for giving a general idea of agricultural changes which have occurred in countries between the two censuses.

For each country the publication is divided into two parts: text and tables. The text includes only those explanations necessary for a clear understanding and interpretation of the census figures, in addition to the definitions of the main items and concepts used by each country in its agricultural census. It is subdivided into three sections as follows:

- (a) Date of the census and time reference.
- (b) Method of collection and processing of census data.
- (c) Scope and definition of items.

Section (c) is further subdivided according to the main sections of the Program. The following subdivision also applies to the tables:

- 0 - Holder, holding and tenure
- 1 - Land utilization
- 2 - Crops

- 3 - Livestock and poultry
- 4 - Employment in agriculture
- 5 - Farm population
- 6 - Agricultural power and machinery and general transport facilities
- 7 - Irrigation and drainage
- 8 - Fertilizers and soil dressings
- 9 - Wood and fishery products

The terminology used is, as far as possible, that of the Program. In a few cases, however, that of the country had to be adopted.

Most of the countries have used in their tabulation a size classification of holdings according to the total area of the holding as requested in the Program. There were, however, certain deviations, as, for instance, size classification by crop area, by agricultural area, etc. In these cases, in the tables "Classified by size of holding," the criterion used for classification has been specifically indicated.

Countries included in this publication, in general have tabulated their census results by size of holdings. This does not imply, however, that *all data* were so classified. Where countries have tabulated *a part* of their census data by size, these have been included also in the tables "Not classified by size of holding." If countries, however, have tabulated *all data* by size of holding, the tables "Not classified by size of holding" were omitted.

P.V. SUKHATME
Director, Statistics Division

CONTENTS

N - Tables not classified by size of holding

C - Tables classified by size of holding

Preface		v	North Borneo	N	C	133
American Samoa	N	C	1	Northern Rhodesia	N	C 140
Australia	N	C	7	Pakistan		C 144
Belgium	N	C	17	Portuguese Guinea	N	C 155
China (Taiwan)		C	47	Puerto Rico	N	C 160
Colombia		C	58	Sarawak	N	C 169
Denmark	N	C	74	Seychelles	N	C 174
Guam	N	C	81	Southern Rhodesia	N	C 177
Iran	N	C	88	Surinam		C 182
Iraq	N	C	102	Tanganyika	N	194
Libya	N	C	109	United States of America	N	C 198
Malta and Gozo	N	C	120	Viet-Nam, Republic of	N	C 217
New Zealand	N	C	126	Virgin Islands (U.S.)	N	C 227

AMERICAN SAMOA

Date of the census and time reference

The census enumeration started on 1 April 1960. It was completed within two weeks.

Data for inventory items — land in farms, fruit and nut trees, livestock and poultry — represent the situation existing on or about 1 April 1960. Data for area harvested and production of crops relate to the crop year 1959.

Method of collection and processing of census data

No definition of holding was given to the enumerators; they were instructed to fill a questionnaire for each *Matai*¹ who had title to land or claimed ownership of land; for each person who was not a *Matai* but who had charge of raising crops in 1959 or of keeping livestock or poultry on privately owned land on 1 April 1960; and for each agricultural experiment station, school, church, or other institution that had land on which crops were raised in 1959, or on which livestock or poultry were kept on 1 April 1960.

After the completion of the enumeration, census questionnaires were sent to the Agriculture Operations Office in Parsons, Kansas (U.S.A.). There, questionnaires that did not represent holdings according to the census definition were withdrawn from further processing.

¹ A *Matai* is a titled person, either a chief or an orator, whose particular duty is the leadership and care of the "family" (and their land) under his control and who is entitled to the services and co-operation of all members of his "family" in return for his leadership. In this definition the "family" is a group of persons related by blood and marriage or even adopted connections who all acknowledge one person as the *Matai* or head of that particular group and who is elected by them to this position.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

A holder was defined as a person who operated a holding, either doing the work himself or supervising it directly.

Holding

A holding was defined as any "place" on which crops were harvested in 1959, or on which any livestock or five or more poultry were kept on or about 1 April 1960. The term "place" designated all land operated under the control or supervision of one person.

Total area of the holding. The land that constituted the total area of each holding was determined from the reports for land owned, land rented from others, and land rented to others. The figures for land owned and land rented from others were first added together and then the figure for land rented to others subtracted.

Tenure

Area owned by the holder or in ownerlike possession includes all land which the holder holds by legal ownership title, and also land which he claims to own without title.

Area rented from others includes all land used by the holder, other than land he owns, whether or not any rent is paid to the owner.

2 - CROPS

For temporary crops and pineapples, enumerators were instructed to record the area harvested in 1959 whenever possible. Crops for which the area could not be determined by the holder or

AMERICAN SAMOA

estimated by an enumerator were recorded in terms of the number of plants harvested and later on converted to area units during the processing operations. In cases where two or more crops were harvested from the same piece of land in 1959, the entire area was to be reported for each crop.

For tree crops, data relate to the total number of trees on the holding at the time of the enumeration. For bananas, the number of hills or clumps was reported.

3 - LIVESTOCK AND POULTRY

Data refer to the number of livestock and poultry found on each holding at the time of

the enumeration, regardless of ownership. For Matai land, all livestock and poultry owned by the Matai and "family" group were reported.

* * *

SOURCE: United States Department of Commerce, Bureau of the Census. *United States census of agriculture 1959. American Samoa, Counties.* Volume 1, Part 51, *American Samoa.* For data on 1950 see *Report on the 1950 world census of agriculture*, Volume 1, *Census results by countries*, Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
(unless otherwise specified)

AMERICAN SAMOA

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	2 135
Area	4 662

Fragmentation

Number of holdings reporting parcels	1 846
Number of holdings consisting of:	
1 parcel	(762)
2-3 parcels	(641)
4-5 parcels	(263)
6-7 parcels	(121)
8 parcels and over	(59)

Number and area of holdings, by tenure

Holdings operated under one form of tenure

Holdings owned by the holder or in owner-like possession

Number	1 711
Area	3 909

Holdings rented from others

Number	316
Area	449

Holdings operated under more than one form of tenure

Number	108
Area	304

Area in holdings, by tenure

Area owned by the holder or in ownerlike possession	4 104
Area rented from others	558

2 - CROPS - AREA

Crops on arable land

Manioc (cassava)

Number of holdings reporting	123
------------------------------------	-----

Sweet potatoes

Number of holdings reporting	341
Area	1

Arrowroot

Number of holdings reporting	170
Area	12

Cocoyams and yams

Number of holdings reporting ¹	2 022
Area	255

Sugarcane for thatching

Number of holdings reporting	987
Area	38

Tobacco

Number of holdings reporting	111
Area	4

Permanent crops

Oranges

Number of holdings reporting	512
Number of trees	3 744

Lemons

Number of holdings reporting	418
Number of trees	4 098

Grapefruit

Number of holdings reporting	89
Number of trees	721

¹ Holdings reporting cocoyams.

Limes

Number of holdings reporting	305
Number of trees	2 977

Citrons

Number of holdings reporting	20
Number of trees	3 529

Breadfruit

Number of holdings reporting	2 035
Number of trees	155 303

Mangoes

Number of holdings reporting	603
Number of trees	2 585

Avocados

Number of holdings reporting	350
Number of trees	1 284

Bananas

Number of holdings reporting	2 076
Number of hills	970 233

Pineapples

Number of holdings reporting	468
Area	2

Papayas

Number of holdings reporting	843
Number of trees	37 285

Coffee

Number of holdings reporting	52
Number of trees	1 523

Cocoa

Number of holdings reporting	880
Number of trees	115 654

Coconuts

Number of holdings reporting	1 845
Number of trees	402 512

3 - LIVESTOCK AND POULTRY

Horses and mules

Number of holdings reporting	88
Number of horses and mules	116

Cattle

Number of holdings reporting	10
Total number of cattle	190

Milk cows

Number of holdings reporting	8
Number of milk cows	(52)

Other cattle and calves

Number of holdings reporting	7
Number of cattle and calves	(138)

Pigs

Number of holdings reporting	1 757
Number of pigs	11 378

Poultry

Chickens

Number of holdings reporting	1 915
Number of chickens	35 186

Ducks

Number of holdings reporting	63
Number of ducks	558

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

AMERICAN SAMOA
Classified by size of holding

	All sizes of holdings	Under 1.2 ha	1.2 and under 4.0 ha	4.0 and under 8.1 ha	8.1 and under 20.2 ha	20.2 and under 40.5 ha	40.5 ha and over
		Under 3 acres	3 and under 10 acres	10 and under 20 acres	20 and under 50 acres	50 and under 100 acres	100 acres and over
0 - HOLDER, HOLDING AND TENURE							
Number and area of holdings							
Number	2 135	853	1 043	174	51	8	6
Percentage distribution	100.0	40.0	48.8	8.1	2.4	0.4	0.3
Area	4 662	561	2 030	862	554	186	469
Percentage distribution	100.0	12.0	43.5	18.5	11.9	4.0	10.1
Fragmentation							
Number of holdings reporting parcels.....	1 846	731	925	144	35	7	4
Number of holdings consisting of:							
1 parcel	(762)	(486)	(254)	(15)	(4)	(2)	(1)
2-3 parcels.....	(641)	(195)	(392)	(44)	(9)	(—)	(1)
4-5 parcels.....	(263)	(34)	(181)	(33)	(12)	(1)	(2)
6-7 parcels.....	(121)	(11)	(71)	(31)	(6)	(2)	(—)
8 parcels and over	(59)	(5)	(27)	(21)	(4)	(2)	(—)
Number and area of holdings, by tenure							
Holdings operated under one form of tenure							
Holdings owned by the holder or in ownerlike possession							
Number	1 711	674	839	137	47	8	6
Area	3 909	439	1 619	681	515	186	469
Holdings rented from others							
Number	316	166	131	17	2	—	—
Area	449	111	238	81	19	—	—
Holdings operated under more than one form of tenure							
Number	108	13	73	20	2	—	—
Area	304	11	173	100	20	—	—
Area in holdings, by tenure							
Area owned by the holder or in ownerlike possession	4 104	442	1 732	747	528	186	469
Area rented from others	558	119	298	115	26	—	—
2 - CROPS - AREA							
Crops on arable land							
Cocoyams and yams							
Number of holdings reporting ¹	2 022	781	1 011	168	50	7	5
Area	255	66	135	26	16	8	4
Sugarcane for thatching							
Number of holdings reporting	987	273	585	93	28	5	3
Area	38	9	26	2	1	—	—
Permanent crops							
Oranges							
Number of holdings reporting	512	174	263	55	13	3	4
Number of trees	3 744	796	2 146	413	89	196	104
Lemons							
Number of holdings reporting	418	117	220	53	21	4	3
Number of trees	4 098	939	2 287	360	287	193	32
Grapefruit							
Number of holdings reporting	89	15	47	15	8	2	2
Number of trees	721	46	286	277	50	56	6

¹ Holdings reporting cocoyams.

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

AMERICAN SAMOA

Classified by size of holding

	All sizes of holdings	Under 1.2 ha	1.2 and under 4.0 ha	4.0 and under 8.1 ha	8.1 and under 20.2 ha	20.2 and under 40.5 ha	40.5 ha and over
		Under 3 acres	3 and under 10 acres	10 and under 20 acres	20 and under 50 acres	50 and under 100 acres	100 acres and over
Limes							
Number of holdings reporting	305	70	168	51	11	3	2
Number of trees	2 977	380	1 669	507	107	11	303
Citrons							
Number of holdings reporting	20	7	11	2	—	—	—
Number of trees	3 529	906	1 123	1 500	—	—	—
Breadfruit							
Number of holdings reporting	2 035	794	1 009	171	48	8	5
Number of trees	155 303	39 390	74 773	28 029	9 692	559	2 860
Mangoes							
Number of holdings reporting	603	216	297	66	19	2	3
Number of trees	2 585	1 058	1 029	314	142	27	15
Avocados							
Number of holdings reporting	350	86	198	42	17	3	4
Number of trees	1 284	474	519	156	77	39	19
Bananas							
Number of holdings reporting	2 076	814	1 029	170	50	7	6
Number of hills.....	970 233	247 666	472 830	161 545	62 592	21 600	4 000
Papayas							
Number of holdings reporting	843	257	451	91	34	5	5
Number of trees	37 285	9 098	19 803	4 174	1 789	341	2 080
Cocoa							
Number of holdings reporting	880	216	487	126	42	6	3
Number of trees	115 654	14 636	53 152	23 443	18 575	3 488	2 360
Coconuts							
Number of holdings reporting	1 845	635	985	164	48	7	6
Number of trees	402 512	65 188	166 758	73 419	42 037	10 360	44 750
3 - LIVESTOCK AND POULTRY							
Horses and mules							
Number of holdings reporting	88	25	36	16	7	2	2
Number of horses and mules.....	116	26	46	20	9	6	9
Cattle							
Number of holdings reporting	10	1	1	2	2	1	3
Total number of cattle	190	1	3	18	16	18	134
Milk cows							
Number of holdings reporting	8	—	1	2	2	1	2
Number of milk cows	(52)	(—)	(3)	(13)	(14)	(15)	(7)
Other cattle and calves							
Number of holdings reporting	7	1	—	2	1	1	2
Number of cattle and calves	(138)	(1)	(—)	(5)	(2)	(3)	(127)
Pigs							
Number of holdings reporting	1 757	679	885	140	43	6	4
Number of pigs	11 378	3 377	5 848	1 179	623	117	234
Poultry							
Chickens							
Number of holdings reporting	1 915	727	967	161	47	8	5
Number of chickens	35 186	9 618	18 521	3 793	1 774	616	864
Ducks							
Number of holdings reporting	63	9	34	11	6	1	2
Number of ducks	558	56	277	99	16	5	105

Area: in hectares
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

AMERICAN SAMOA

	1950	1960		1950	1960
0 - HOLDER, HOLDING AND TENURE			Permanent crops		
Number and area of holdings, by size			Oranges		
All sizes of holdings			Number of holdings reporting .	605	512
Number	1 490	2 135	Number of trees	5 173	3 744
Area	6 001	4 662	Lemons		
Holdings under 1.2 ha			Number of holdings reporting .	333	418
Number	316	853	Number of trees	2 336	4 098
Area	193	561	Breadfruit		
Holdings 1.2 and under 4.0 ha			Number of holdings reporting.	1 427	2 035
Number	761	1 043	Number of trees	637 408	155 303
Area	1 602	2 030	Papayas		
Holdings 4.0 and under 20.2 ha			Number of holdings reporting.	758	843
Number	378	225	Number of trees	47 843	37 285
Area	2 939	1 416	Cocoa		
Holdings 20.2 and under 40.4 ha			Number of holdings reporting.	41	880
Number	28	8	Number of trees	3 172	115 654
Area	705	186			
Holdings 40.4 ha and over			3 - LIVESTOCK AND POULTRY		
Number	7	6	Cattle		
Area	562	469	Number of holdings reporting . . .	11	10
Average size of holding	4.0	2.2	Number of cattle	233	190
2 - CROPS - AREA			Pigs		
Crops on arable land			Number of holdings reporting . . .	1 201	1 757
Sugarcane for thatching			Number of pigs	9 080	11 378
Number of holdings reporting .	537	987	Chickens		
Area	48	38	Number of holdings reporting . . .	1 337	1 915
			Number of chickens	28 011	35 186

Date of the census and time reference

The agricultural census data are based on returns from holders at 31 March 1960.

Data relating to area sown, production and number of holdings growing crops are, in general, for the 12 months ending 31 March 1960. Livestock numbers were reported as at 31 March in all states and the Australian Capital Territory, and at 30 June 1960 in the Northern Territory. Production of livestock products has, in general, been shown for the 12 months ending 30 June 1960.

Data on farm machinery refer to 31 March 1960.

Method of collection and processing of census data

Agricultural census questionnaires used in the various states and territories for the collection of data are substantially uniform; the main variations are on account of provision for the different crops grown.

Returns were tabulated in the State and Territory Offices of the Commonwealth Bureau of Census and Statistics.

In conjunction with the census, certain supplementary information was collected in some states where this has proved necessary, e.g., where the harvesting of certain crops was not completed by 31 March 1960. Where no provision was made by means of supplementary collection for the inclusion of crops harvested after 31 March, holders were required to include on the general census questionnaire the total estimated yield expected from the completed harvest.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

An agricultural holding was defined, for the purpose of the census, as a piece of land of one

acre or more in extent, used for the production of agricultural products or for the raising of livestock and the production of livestock products. In cases where landowners or occupiers possess, or operate, more than one holding, separate returns were required for each, except where the holdings were in close proximity and were worked as one unit, in which case one return only was submitted covering the two or more holdings concerned.

The occupier of the holding (owner, lessee or tenant) was responsible for the completion of the return and in all states, as well as in the Australian Capital Territory, the return had to include all crops grown on, and all livestock belonging to, the holding, including those owned and worked wholly or partly by share-farmers or members of the family. In Queensland, commercial poultry farmers and commercial beekeepers made a return even if the holding was less than one acre in area, and, in the case of a beekeeper, even if he had no holding of his own. In Queensland and Tasmania, where land was under share-farming, i.e., land farmed under agreement with the owner whereby the value of the produce was shared, the responsibility for the rendering of the return under the various types of managements was made as follows:

1. Where the owner lived on and operated a portion of the holding, with a share-farmer working the other portion, it was the responsibility of the owner to fill in and lodge the return covering all the operations on the whole of the holding.
2. Where the owner did not live on the holding, the resident share-farmer was responsible for filling in, and lodging, the return.
3. Where an occupier of one holding shared a portion of another holding with its occupier, the area or production of such share-farming was not included in his own return.

AUSTRALIA

4. In the case of change of occupancy, the occupier who took over a holding after 31 March 1959 was responsible for including in his return the results of all the operations on the holding during the 12 months ending 31 March 1960. If the previous occupier was still in the district, he was consulted concerning his part of the season's operations.

1 - LAND UTILIZATION

Arable land

This includes land under all crops with the exception of orchards, plantations, vines, small fruits, edible nuts and olives. Land lying fallow during the whole or the greater part of the season is also included in this category. Land under short or summer fallow is excluded.

Land under permanent crops

This includes the area of orchards, plantations, vines, small fruits, edible nuts and olives.

Land under sown grasses and clovers

This includes the area of sown grasses and clovers whether grazed, cut for hay, or silage, or harvested for seed.

All other land

This includes the area used for grazing (other than sown grasses, clovers and crops for feed), the area occupied by buildings, etc., the forest and mountainous area, etc., and land not used for agricultural purposes.

2 - CROPS

The total area of land sown or planted during the 12 months ending 31 March 1960 is shown irrespective of whether the whole area was subsequently harvested or whether a portion or the whole of the crop failed and was not harvested.

Data on crop production refer to the same season and the same area. Where harvest of any crop had not yet been completed, the expected production was estimated.

Information on fruit and vegetables refers only to crops grown for sale. When two successive crops were grown on the same land during the season, the aggregate area was recorded. In the case of crops grown together on the same land, the area was counted only once and was divided by the different crops according to the area occupied by each. Data on area planted to individual varieties of orchard fruit were not collected, but estimates for these were made from the reported total area and number of trees of each variety planted.

3 - LIVESTOCK AND POULTRY

Data refer to all livestock and poultry on holdings including livestock normally run on the holding by the occupier and by other persons, such as sharecroppers, members of the family, etc. Stock normally run on the holding but temporarily absent was also to be included. Allowances were made in some states for the small number of livestock not on agricultural holdings. Data on beehives cover only beekeepers with five or more beehives, except in Queensland where returns were not collected from beekeepers who were not on holdings and who had less than ten beehives.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data cover the agricultural machinery and implements on the holding. Only serviceable machinery was included.

7 - IRRIGATION AND DRAINAGE

Data include the area artificially irrigated by gravitation sprinklers and by power plants during the 12 months ending 31 March 1960.

AUSTRALIA

In the case of the Northern Territory, data refer to the area irrigated during the 12 months ending 30 September 1959. As regards Western Australia, the hand-watered area was also included.

quantity of artificial fertilizers refer to the 12 months ending 30 September 1959.

* * *

8 - FERTILIZERS AND SOIL DRESSINGS

Data include the area to which artificial fertilizers were applied and the quantity used during 1959. For Queensland and Western Australia, data refer to the artificial fertilizers applied during the 12 months ending 31 March 1960. For the Northern Territory, data on area and

SOURCE: Australia. Commonwealth Bureau of Census and Statistics, Canberra. *Primary industries. Part 1, Rural industries 1959-60*, Bulletin No. 54, February 1962. *Classification of rural holdings by size and type of activity 1959 60*, Bulletin No. 7, Australia, September 1963. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume 1, *Census results by countries*, Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

AUSTRALIA

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings			
Number	252	243	
Area	464	575	646

1 - LAND UTILIZATION

Utilization of land in holdings (area)			
Arable land	12	915	361
Land under permanent crops		171	053
Land under sown grasses and clovers	12	801	335
All other land	438	687	897

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Wheat

Number of holdings reporting	52	981	
Area	4	925	911
Production	5	402	201

Rye

Area	29	423	
Production	10	699	

Rice ¹

Number of holdings reporting ²		852	
Area	19	809	
Production	128	252	

Millet and sorghum (total) ¹

Area	138	082	
Production	257	406	

Millet

Area	(28	190)	
Production	(37	334)	

Sorghum

Number of holdings reporting ²	3	459	
Area	(109	892)	
Production	(220	072)	

Maize ¹

Number of holdings reporting ³	2	775	
Area	74	837	
Production	170	834	

Barley

Number of holdings reporting	23	511	
Area	962	923	
Production	775	190	

Oats

Number of holdings reporting	36	109	
Area	1	226	150
Production	849	875	

Canary seed ¹

Area	2	424	
Production	2	141	

Soybeans ¹

Area	519		
Production	476		

Edible dry beans ¹

Area	911		
Production	458		

Edible dry peas ¹

Area	1	305	
Production	2	182	

Potatoes ¹

Number of holdings reporting	11	497	
Area	43	869	
Production	588	503	

Sweet potatoes ¹

Area	207		
Production	1	509	

Arrowroot

Area ⁴	87		
Production ⁵	2	960	

Onions

Number of holdings reporting	1	773	
Area	3	770	
Production	57	734	

Turnips for feed ¹

Area	9	830	
Production	243	976	

Mangels for feed ¹

Area	178		
Production	2	826	

Sugarcane

Number of holdings reporting ⁶	7	273	
Area (total)	197	093	

Cut for crushing

Area	(127	061)	
Production	9	146	744

Stand over

Area	(65	406)	
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Cut for plants

Area	(4	626)	
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Cotton ¹

Number of holdings reporting ⁶	531		
Area	8	186	
Production (unginned)	4	292	

Flax harvested for fiber

Number of holdings reporting ⁶	44		
Area	529		
Production	2	767	

Groundnuts (peanuts) ¹

Number of holdings reporting ⁶	1	088	
Area	17	309	
Production	19	064	

Linseed

Area	40	263	
Production	27	229	

Mustard seed

Area	641		
Production	375		

Sunflower seed

Area	4	139	
Production	2	837	

Tobacco

Number of holdings reporting ⁶	1	124	
Area	7	954	
Production (dried leaf)	8	649	

Hops ¹

Number of holdings reporting	131		
Area	780		
Production (dry weight)	1	615	

Broom millet

Area	809		
Production (fiber)	611		
Production (grain) ¹	209		

Alfalfa cut for hay and for green fodder

Area	725	968	
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Cereals cut for hay and for green fodder

Area ¹	1	271	194
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¹ Data incomplete. ² Holdings of 20 acres and over. ³ Except for Victoria, holdings of 20 acres and over. ⁴ Planted in 1958.
⁵ Harvested in 1959. ⁶ Holdings of 5 acres and over.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

AUSTRALIA

Not classified by size of holding

Other crops cut for hay and green fodder	
Area ¹	511 568
Leguminous plants for fodder	
Area ¹	23 646
Pumpkins and melons for fodder	
Area	3 445
Other fodder crops	
Area	18 280
Cabbage and Brussels sprouts ¹	
Area	2 464
Production.....	69 998
Asparagus ¹	
Area	1 396
Production.....	4 278
Celery ¹	
Area	204
Production.....	9 470
Lettuce	
Area	1 930
Production.....	19 730
Spinach (including silver beet)	
Area	102
Production.....	1 767
Cucumbers	
Area ¹	581
Production.....	5 633
Tomatoes	
Area	6 420
Production.....	128 196
Beetroot ¹	
Area	755
Production.....	13 010
Carrots	
Area	1 949
Production.....	47 136
Turnips ¹	
Area	763
Production.....	12 543
Parsnip	
Area	583
Production.....	12 380
Beans (green)	
Area	6 764
Production.....	26 953
Peas (green) ¹	
Area	18 263
Production.....	55 181
Cauliflowers	
Area	2 789
Production.....	81 958
Other vegetables	
Area	11 714
Crops grown for seed	
Area	55 586

Permanent crops	
Oranges ¹	
Area (total).....	19 962
Under trees of productive age	(15 427)
Under trees of nonproductive age	(4 535)
Total number of trees	4 463 311
Of productive age.....	(3 452 719)
Of nonproductive age.....	(1 010 592)
Production.....	162 198
Mandarines	
Area (total).....	1 791
Under trees of productive age	(1 161)
Under trees of nonproductive age	(630)
Total number of trees	383 195
Of productive age.....	(247 404)
Of nonproductive age.....	(135 791)
Production.....	10 719
Lemons and limes	
Area (total).....	2 055
Under trees of productive age	(1 635)
Under trees of nonproductive age	(420)
Total number of trees	457 744
Of productive age.....	(363 250)
Of nonproductive age.....	(94 494)
Production.....	16 447
Grapefruit	
Area (total).....	559
Under trees of productive age	(501)
Under trees of nonproductive age	(58)
Total number of trees	122 375
Of productive age.....	(109 626)
Of nonproductive age.....	(12 749)
Production.....	6 837
Other citrus fruit	
Area (total).....	15
Total number of trees	3 476
Of productive age.....	(2 488)
Of nonproductive age.....	(988)
Production.....	95
Apples	
Area (total).....	34 507
Under trees of productive age	(26 630)
Under trees of nonproductive age	(7 877)
Total number of trees	9 121 216
Of productive age.....	(7 143 004)
Of nonproductive age.....	(1 978 212)
Production.....	268 028
Pears	
Area (total).....	9 584
Under trees of productive age	(7 232)
Under trees of nonproductive age	(2 352)
Total number of trees	2 448 930
Of productive age.....	(1 861 767)
Of nonproductive age.....	(587 163)
Production.....	107 526
Quinces	
Area (total).....	217
Under trees of productive age	(203)
Under trees of nonproductive age	(14)
Total number of trees	55 549
Of productive age.....	(52 042)
Of nonproductive age.....	(3 507)
Production.....	1 002

¹ Data incomplete.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

AUSTRALIA

Not classified by size of holding

Loquats

Area (total).....	25
Under trees of productive age.....	(22)
Under trees of nonproductive age.....	(3)
Total number of trees.....	5 669
Of productive age.....	(5 072)
Of nonproductive age.....	(597)
Production.....	129

Apricots

Area (total).....	4 880
Under trees of productive age.....	(3 793)
Under trees of nonproductive age.....	(1 087)
Total number of trees.....	1 231 873
Of productive age.....	(963 841)
Of nonproductive age.....	(268 032)
Production.....	33 652

Cherries

Area (total).....	1 868
Under trees of productive age.....	(1 310)
Under trees of nonproductive age.....	(558)
Total number of trees.....	465 004
Of productive age.....	(326 925)
Of nonproductive age.....	(138 079)
Production.....	6 703

Peaches

Area (total).....	10 674
Under trees of productive age.....	(5 935)
Under trees of nonproductive age.....	(4 739)
Total number of trees.....	2 606 649
Of productive age.....	(1 437 453)
Of nonproductive age.....	(1 169 196)
Production.....	59 529

Nectarines

Area (total).....	460
Under trees of productive age.....	(360)
Under trees of nonproductive age.....	(100)
Total number of trees.....	111 966
Of productive age.....	(87 393)
Of nonproductive age.....	(24 573)
Production.....	2 657

Plums and prunes

Area (total).....	4 277
Under trees of productive age.....	(3 348)
Under trees of nonproductive age.....	(929)
Total number of trees.....	1 045 467
Of productive age.....	(817 644)
Of nonproductive age.....	(227 823)
Production.....	23 792

Figs

Area (total).....	179
Under trees of productive age.....	(160)
Under trees of nonproductive age.....	(19)
Total number of trees.....	42 859
Of productive age.....	(38 330)
Of nonproductive age.....	(4 529)
Production.....	941

Mangoes ¹

Area (total).....	287
Under trees of productive age.....	(203)
Under trees of nonproductive age.....	(84)
Total number of trees.....	26 847
Of productive age.....	(18 866)
Of nonproductive age.....	(7 981)
Production.....	531

Custard apples

Area (total).....	97
Under trees of productive age.....	(68)
Under trees of nonproductive age.....	(29)
Total number of trees.....	11 898
Of productive age.....	(8 554)
Of nonproductive age.....	(3 344)
Production.....	325

Persimmons

Area (total).....	13
Under trees of productive age.....	(12)
Under trees of nonproductive age.....	(1)
Total number of trees.....	3 192
Of productive age.....	(3 009)
Of nonproductive age.....	(183)
Production.....	125

Almonds

Area (total).....	1 553
Under trees of productive age.....	(1 275)
Under trees of nonproductive age.....	(278)
Total number of trees.....	420 523
Of productive age.....	(345 310)
Of nonproductive age.....	(75 213)
Production.....	829

Walnuts

Area (total).....	78
Under trees of productive age.....	(56)
Under trees of nonproductive age.....	(22)
Total number of trees.....	19 216
Of productive age.....	(13 554)
Of nonproductive age.....	(5 662)
Production.....	116

Other edible nut trees

Area (total).....	132
Under trees of productive age.....	(96)
Under trees of nonproductive age.....	(36)
Total number of trees.....	27 232
Of productive age.....	(20 688)
Of nonproductive age.....	(6 544)
Production.....	39

Strawberries ¹

Area (total).....	364
Under plants of productive age.....	(341)
Under plants of nonproductive age.....	(23)
Production.....	1 034

Raspberries ¹

Area (total).....	514
Under plants of productive age.....	(462)
Under plants of nonproductive age.....	(52)
Production.....	2 554

Currants

Area (total).....	401
Under plants of productive age.....	(342)
Under plants of nonproductive age.....	(59)
Production.....	1 346

Other cultivated small fruit ¹

Area (total).....	371
Under plants of productive age.....	(318)
Under plants of nonproductive age.....	(53)
Production.....	1 422

Bananas

Number of holdings reporting.....	4 181
Area (total).....	12 832
Under trees of productive age.....	(10 637)
Under trees of nonproductive age.....	(2 195)
Production.....	124 846

¹ Data incomplete.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

AUSTRALIA

Not classified by size of holding

Pineapples	
Number of holdings reporting	1 778
Area (total)	5 112
Under plants of productive age	(3 840)
Under plants of nonproductive age	(1 272)
Production	90 314
Papayas	
Area (total)	635
Under trees of productive age	(485)
Under trees of nonproductive age	(150)
Production	6 056
Passion fruit	
Area (total)	538
Under vines of productive age	(317)
Under vines of nonproductive age	(221)
Production	866
Grapes (total)	
Number of holdings reporting	7 792
Area (total)	52 711
Under vines of productive age	(49 713)
Under vines of nonproductive age	(2 998)
Production	451 990
<i>Grapes for wine</i>	
Area	23 790
Under vines of productive age	(22 192)
Under vines of nonproductive age	(1 598)
Production	152 019
<i>Grapes for table use</i>	
Area	3 736
Under vines of productive age	(3 303)
Under vines of nonproductive age	(433)
Production	17 389
<i>Grapes for raisins</i>	
Area	25 185
Under vines of productive age	(24 217)
Under vines of nonproductive age	(968)
Production	282 582
Olives¹	
Area (total)	2 927
Under trees of productive age	(1 088)
Under trees of nonproductive age	(1 839)
Total number of trees	310 685
Of productive age	(108 534)
Of nonproductive age	(202 151)
Production	1 403
Nurseries and cut flowers	
Area	1 876

3 - LIVESTOCK AND POULTRY

Horses	
Number of horses	639 797
Cattle	
Total number of cattle	16 503 270
Calves under 1 year of age	3 329 435
Cows, including heifers, 1 year of age and over	9 666 915
Of which:	
Milk and dry cows	(3 243 472)
Cows for meat production	(5 641 581)
Bulls 1 year of age and over	311 692
Other cattle	3 195 228
Holdings reporting specified number of beef cattle	
Number of holdings reporting (total)	84 860
1-9 head	(23 064)
10-19 head	(12 691)
20-49 head	(19 576)
50-99 head	(12 599)
100-199 head	(7 826)
200-499 head	(5 692)
500 head and over	(3 412)

Holdings reporting specified number of dairy cattle	
Number of holdings reporting (total)	117 869
1-9 head	(43 979)
10-19 head	(11 492)
20-49 head	(22 446)
50-99 head	(28 909)
100-199 head	(10 134)
200 head and over	(909)

Sheep	
Number of holdings reporting	118 587
Total number of sheep	155 173 563
Lambs under 1 year of age	(32 498 450)
Sheep 1 year of age and over	(122 675 113)
Number of sheep clipped during the census year	139 210 000
Wool production (in the grease)	693 703

Pigs	
Number of holdings reporting	49 537
Total number of pigs	1 423 796
Of which:	
Sows for breeding	211 426

Bees	
Number of holdings reporting	5 768
Number of beehives	464 569
Honey production	20 666

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Selected agricultural equipment on the holding (number)

Tractors (total)?	242 207
<i>Wheel tractors</i>	221 785
Less than 20 hp	(10 335)
20 hp and less than 30	(82 741)
30 hp and less than 40	(74 779)
40 hp and less than 55	(50 209)
55 hp and over	(3 721)
<i>Track-laying tractors</i>	20 422
Less than 10 hp	(1 114)
10 hp and less than 45	(14 972)
45 hp and less than 61	(2 623)
61 hp and over	(1 713)
Grain drills	111 189
Rotary hoes	34 159
Fertilizer distributors and broadcasters ..	78 181
Grain and seed headers, strippers and harvester	64 070
Pick-up balers	22 496
Stationary hay presses	7 769
Milking machines (number of stands)	221 260
Shearing machines (number of stands) ...	170 847

7 - IRRIGATION AND DRAINAGE

Area of land actually irrigated	847 285
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8 - FERTILIZERS AND SOIL DRESSINGS

Application of inorganic fertilizers	
Area treated	17 262 050
Amount applied (metric tons)	2 361 199

¹ Data incomplete. ² Data exclude the Northern Territory.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

AUSTRALIA
Classified by size of holding

	All sizes of holdings	0.4 and under 4.0 ha	4.0 and under 12.1 ha	12.1 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 121.4 ha	121.4 and under 202.3 ha	202.3 and under 566.6 ha	566.6 and under 1214.0 ha	1214.0 and under 2023.4 ha	2023.4 ha and over
		1 and under 10 acres	10 and under 30 acres	30 and under 50 acres	50 and under 100 acres	100 and under 300 acres	300 and under 500 acres	500 and under 1400 acres	1400 and under 3000 acres	3000 and under 5000 acres	5000 acres and over
0 - HOLDER, HOLDING AND TENURE											
Number and area of holdings											
Number	252 243	13 481	21 371	12 191	21 539	53 974	26 165	52 501	25 555	10 125	15 341
Percentage distribution	100.0	5.4	8.5	4.8	8.5	21.4	10.4	20.8	10.1	4.0	6.1
Area	464 575 646	27 700	154 212	188 324	632 307	3 924 054	4 059 299	18 284 079	21 016 445	15 611 533	400 677 693
Percentage distribution	100.0	0.1	0.1	0.1	0.1	0.8	0.9	4.0	4.5	3.4	86.2
1 - LAND UTILIZATION											
Utilization of land in holdings (area)											
Arable land	12 915 361	5 441	22 082	30 919	132 040	635 585	669 143	3 777 786	3 687 359	2 050 103	1 904 903
Land under permanent crops	171 053	4 691	39 456	32 615	34 011	33 342	9 382	10 977	3 906	586	2 087
Land under sown grasses and clovers	12 801 335	1 976	17 662	30 735	162 619	1 129 430	979 556	3 590 131	3 197 074	1 615 173	2 076 979
All other land	438 687 897	15 592	75 012	94 055	303 637	2 125 697	2 401 218	10 905 185	14 128 106	11 945 671	396 693 724
2 - CROPS											
Crops on arable land											
Wheat											
Number of holdings reporting	52 981		354		567	3 201	5 058	22 235	13 218	5 093	3 255
Barley											
Number of holdings reporting	23 511		192		428	2 675	2 805	8 816	5 209	2 039	1 347
Oats											
Number of holdings reporting	36 109		146		284	1 643	2 751	14 475	10 110	4 061	2 639
3 - LIVESTOCK AND POULTRY											
Cattle											
Holdings reporting specified number of beef cattle											
Number of holdings reporting (total)	84 860		6 580			11 946	9 299	25 699	14 405	5 877	11 054
1-9 head	(23 064)		(4 177)			(4 571)	(2 846)	(6 985)	(2 741)	(831)	(913)
10-19 head	(12 691)		(1 220)			(2 229)	(1 606)	(4 280)	(1 981)	(593)	(782)
20-49 head	(19 576)		(960)			(3 224)	(2 600)	(6 730)	(3 441)	(1 068)	(1 553)
50-99 head	(12 599)		(195)			(1 501)	(1 480)	(4 352)	(2 650)	(1 001)	(1 420)
100-199 head	(7 826)		(24)			(393)	(647)	(2 378)	(1 980)	(1 031)	(1 373)
200-499 head	(5 692)		(4)			(26)	(120)	(932)	(1 447)	(1 075)	(2 088)
500 head and over	(3 412)		(—)			(2)	(—)	(42)	(165)	(278)	(2 925)
Holdings reporting specified number of dairy cattle											
Number of holdings reporting (total)	117 869		7 676	4 668	11 884	37 311	16 304	24 366	12 452		3 208
1-9 head	(43 979)		(6 218)	(2 362)	(3 262)	(5 804)	(3 826)	(11 789)	(8 676)		(2 042)
10-19 head	(11 492)		(1 007)	(954)	(1 448)	(2 318)	(1 160)	(2 535)	(1 478)		(592)
20-49 head	(22 446)		(403)	(1 199)	(4 683)	(9 918)	(2 656)	(2 449)	(794)		(344)
50-99 head	(28 909)		(42)	(151)	(2 371)	(15 819)	(5 827)	(3 928)	(643)		(128)
100-199 head	(10 134)		(6)	(2)	(119)	(3 408)	(2 680)	(3 221)	(633)		(65)
200 head and over	(909)		(—)	(—)	(1)	(44)	(155)	(444)	(228)		(37)
Sheep											
Number of holdings reporting	118 587		8 030			15 276	13 153	39 541	21 975	8 677	11 935
Pigs											
Number of holdings reporting	49 537		2 168	1 445	3 928	15 420	7 561	11 359	6 372		1 284

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

AUSTRALIA

	1950 ¹	1960 ²		1950 ¹	1960 ²
0 - HOLDER, HOLDING AND TENURE			Oats		
Number and area of holdings, by size			Number of holdings reporting.	28 172	36 109
All sizes of holdings			Area	707 199	1 226 150
Number	245 267	251 974	Production.....	496 982	849 875
Area	375 788 373	400 309 949	Potatoes		
Holdings 0.4 and under 4.0 ha			Number of holdings reporting.	18 764	11 497 ⁴
Number	14 830	13 460	Area	54 228	43 869 ⁴
Area	29 957	27 666	Production.....	478 574	588 503 ⁴
Holdings 4.0 and under 20.2 ha			Sugarcane		
Number	33 908	33 533	Area (total).....	161 153	197 093
Area	345 321	342 313	Cut for crushing		
Holdings 20.2 and under 40.5 ha			Area	(113 848)	(127 061)
Number	21 847	21 528	Production.....	6 958 360	9 146 744
Area	640 580	632 032	Stand over and cut for plants		
Holdings 40.5 and under 202.3 ha			Area	(47 305)	(70 032)
Number	79 311	80 123	Tomatoes		
Area	7 869 726	7 981 661	Area	7 666	6 420
Holdings 202.3 ha and over			Production.....	103 059	128 196
Number	95 371	103 330	Permanent crops		
Area	366 902 789	391 326 277	Oranges⁵		
Average size of holding.....	1 532.2	1 588.7	Area	7 100	19 962
2 - CROPS - AREA AND PRODUCTION			Total number of trees	4 028 997	4 463 311
Crops on arable land			Of productive age.....	(3 003 093)	(3 452 719)
Wheat			Of nonproductive age	(1 025 904)	(1 010 592)
Number of holdings reporting.	51 961	52 981	Production.....	108 970	162 198
Area	4 953 407	4 925 911	Apples		
Production.....	5 939 106	5 402 201	Area	33 080	34 507
Rice			Total number of trees	8 666 371	9 121 216
Number of holdings reporting.	444	852 ^{3,4}	Of productive age.....	(7 614 940)	(7 143 004)
Area	15 192	19 809 ⁴	Of nonproductive age	(1 051 431)	(1 978 212)
Production.....	72 074	128 252 ⁴	Production.....	175 747	268 028
Sorghum			Pears		
Number of holdings reporting.	2 654	3 459 ³	Area	8 733	9 584
Area	41 657	109 892	Total number of trees	2 154 339	2 448 930
Production.....	60 570	220 072	Of productive age.....	(1 876 396)	(1 861 767)
Maize			Of nonproductive age	(277 943)	(587 163)
Number of holdings reporting.	16 547	2 775 ^{4,5}	Production.....	58 396	107 526
Area	78 342	74 837 ⁴	Apricots		
Production	152 298	170 834 ⁴	Area	5 373	4 880
Barley			Total number of trees	1 347 901	1 231 873
Area	420 900	962 923	Of productive age.....	(1 061 525)	(963 841)
Production.....	443 231	775 190	Of nonproductive age	(286 376)	(268 032)
			Production.....	31 858	33 652
			Peaches		
			Area	11 055	10 674
			Total number of trees	2 595 947	2 606 649
			Of productive age.....	(2 037 005)	(1 437 453)
			Of nonproductive age	(558 942)	(1 169 196)
			Production.....	47 016	59 529
			Plums and prunes		
			Area	4 948	4 277
			Total number of trees	1 184 076	1 045 467
			Of productive age.....	(924 796)	(817 644)
			Of nonproductive age	(259 280)	(227 823)
			Production.....	21 193	23 792

¹Excludes data on the Northern Territory. ²For better comparison with the 1950 figures, data on number and area of holdings and cattle exclude the Northern Territory. For the remaining items the contribution of the Northern Territory is negligible. ³Holdings of 20 acres and over. ⁴Data incomplete. ⁵Except for Victoria, holdings of 20 acres and over.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

AUSTRALIA

	1950 ¹	1960 ²		1950 ¹	1960 ²
Grapes (total)			3 - LIVESTOCK AND POULTRY		
Area	54 790	52 711	Cattle		
Production.....	438 793	451 990	Number of cattle.....	13 371 981	15 392 750
Grapes for wine			Sheep		
Area	(26 816)	(23 790)	Number of sheep.....	112 794 086	155 173 563
Production.....	(165 293)	(152 019)	Pigs		
Grapes for table use			Number of pigs	1 107 752	1 423 796
Area	(3 864)	(3 736)	6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
Production.....	(12 721)	(17 389)	Tractors		
Grapes for raisins			Number of tractors.....	103 795	242 207 ¹
Area	(24 110)	(25 185)			
Production.....	(260 779)	(282 582)			

¹Excludes data on the Northern Territory. ²For better comparison with the 1950 figures, data on number and area of holdings and cattle exclude the Northern Territory. For the remaining items the contribution of the Northern Territory is negligible.

Date of the census and time reference

The agricultural census was taken in two parts: the first (1959-I), conducted from 16 May to 4 June 1959, covered the following items: number and area of holdings, fragmentation, age of the holder, land tenure, land utilization, principal crops, livestock and poultry, agricultural machinery and irrigation and drainage. The second (1959-II), was taken from 2 to 15 January 1960 and covered information on employment in agriculture, farm population, crops grown after the harvest of the main crop, fertilizers and soil dressings.

Time reference for most of the items is either 15 May or 31 December 1959 as indicated below. However, certain information refers to the year 1959 or to the date of the enumeration as specifically indicated.

Method of collection and processing of census data

Enumerators appointed by the municipal administrations requested holders to complete the questionnaires at the site of the holding. A first check was made in the offices of the municipalities by the Agricultural Census Commission. The municipal administrations were asked to summarize on working sheets information on area of crops, land utilization, and livestock and poultry, together with a recapitulation for each municipality. The complete documentation was then passed to the National Statistical Institute. The first task of the central service was the preparation by manual tabulation of provisional results by recapitulation of the summaries forwarded by each municipality. At the same time a check was applied for each municipality by comparison with the results of the census of 1958 for holdings of at least one hectare.

All individual questionnaires were further verified and problems clarified by correspondence

with the respective municipalities. Items concerning crops, land utilization, livestock and poultry, land tenure, fragmentation, etc., were tabulated by electronic computers.

For the second part of the census, 1959-II, enumerators appointed by municipal administrations again requested holders to fill in the questionnaires at the site of the holding. For this work the enumerators used special questionnaires containing the name and address of the holder and the total area of the holding enumerated on 16 May 1959 so as to serve as a link between the two parts of the census. The declarations were checked by the Agricultural Census Commission in each municipality.

All the material collected was transmitted directly to the National Statistical Institute where it was partly tabulated by electronic computers.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

The holder was defined as the person having the responsibility for the daily direction of the holding. In the case of more than one person sharing this direction, the name of the person mainly responsible was recorded after adding the words "common direction."

Holding

The agricultural census 1959-I covered all civil and juridical persons who, while residing in Belgium as of 15 May 1959:

1. Operated or occupied, under whatever title, in Belgium or in the frontier zones as defined by the customs laws, an area of land of at least 0.01 ha devoted to the cultivation of crops (both in the open or under glass), grassland, orchards, or osiers.

BELGIUM

2. Kept at least one or more of the following animals: one horse for agricultural purposes, one head of cattle, one sow or boar for breeding, three pigs for fattening, three sheep, three goats, twenty head of poultry, twenty rabbits, or two beehives.
3. Made available to holders agricultural machinery, equipment or installations, or were co-operatives using in common agricultural machinery, or were stock co-operatives or co-operatives buying or selling agricultural products, provided they had any machines or installations as mentioned in the questionnaire.

The agricultural census 1959-II covered all civil and juridical persons who on 31 December 1959:

- (a) practiced agriculture, horticulture, or livestock keeping as their main occupation, whatever the area operated;
- (b) practiced agriculture, horticulture or livestock keeping (whatever the area operated) as a subsidiary occupation, but having declared regular sales of agricultural products of their holdings;
- (c) declared regular sales of agricultural products of their landless holdings and kept at least one or more of the following animals: one horse for agricultural purposes, one head of cattle, one sow or boar for breeding, three pigs for fattening, three sheep, three goats, twenty head of poultry, twenty rabbits, or two beehives;
- (d) produced agricultural products for their own needs, provided they were prison establishments, hospices and other similar establishments or religious institutions, experimental stations or research institutions, or holdings depending on educational institutions, if their area was at least 0.01 ha or if they kept at least one or more of the number of animals indicated in (c) above.

In order to relate the 1959-I data as closely as possible to holdings as defined in the December census, figures included in this report are restricted for both May and December censuses to those categories of holdings mentioned under the 1959-II census.

Some information on occasional producers of agricultural commodities not selling their products or on kitchen gardens or orchards, whose agricultural products were intended only for home consumption, was collected in the May census. The corresponding data are indicated in footnotes.

Area of the holding. Area of the holding was considered as the agricultural area, that is, land under crops, fallow land, land under temporary or permanent meadows and pastures, and land under osiers.

Parcel. This term means all land, even subdivided in various crops, entirely surrounded by land of other holdings. All land divided by a railway, canal, river, road or public road, should be considered as constituted by two or several parcels.

Tenure

Area owned by the holder or in ownerlike possession includes the area owned by the holder or by members of his family living with him. In the case of holdings possessed in co-ownership or in the case of undivided holdings the area to be reported was that part held in co-ownership by the holder or by members of his family living with him.

Area rented from others includes the area wholly or partly operated on a sharecropping basis.

1 - LAND UTILIZATION

Data for this part of the report represent the total area of holdings classified by land utilization.

Cropland

This includes all areas devoted to field crops, vegetables, flowers, tubers, temporary meadows, cultivation under glass and fallow land. It also includes land under orchards, nurseries and osiers.

Wood or forest land

This includes land with forest trees, brushwood and cultivated bushes.

All other land

This includes areas with ornamental gardens, parks used for recreation purposes, land under

water, uncultivated land, land occupied by buildings, yards, roads, etc.

2 - CROPS

In general, area figures refer to crops which were in the field at the moment of the census. Areas of crops in market gardens, however, refer to 1959. Figures for crops grown as second crops, after the harvest of the main crops, have been marked 1959-II and refer to 1959. The area of crops cultivated partly as main crop and partly as second crop included both.

Data on crop production are estimated.

3 - LIVESTOCK AND POULTRY

Livestock figures refer to the number of animals present on the holding at the census date.

4 - EMPLOYMENT IN AGRICULTURE

Data on institutional holdings are excluded from this section.

Paid permanent workers, other than those belonging to the holder's household, were enumerated according to the situation on 31 December 1959.

Permanent workers were defined as those who had worked regularly on the holding for at least half the year's working time. Temporary workers were considered those working on the holding less than a half, but more than one third, of the year's working time. Occasional workers were defined as those working on the holding for less than one third of the year's working time.

Agricultural work was to include any manual work and the supervision and direction activities of the holding, such as organization of work, keeping farm records and all other activities necessary for a proper functioning of the holding.

5 - FARM POPULATION

Data refer to the number of persons living in the holder's household at 31 December 1959.

A *household* was considered to be either a person living usually alone, or two or more as-

sociated persons who, whether united or not by family ties, reside usually in the same dwelling and live communally.

All persons who usually help other members of the household in their occupation (servants, domestic workers, etc.) and persons momentarily absent from the household are also included here.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data on the use of power refer to the use on the holdings from 15 May 1958 to 15 May 1959. The number of machines refers to the equipment owned at the census date. Equipment owned by more than one holder was accredited to the holder who held the machine on 15 May 1959.

Data on machines owned by co-operatives, agricultural services, contractors and other organizations assisting holders, are excluded from the main tables, but data for selected items are indicated in a separate note on page 25.

7 - IRRIGATION AND DRAINAGE

Data refer to the area irrigated or provided with drainage facilities at the date of the census.

8 - FERTILIZERS AND SOIL DRESSINGS

Data refer to the amount of fertilizers or soil dressings applied during the agricultural year 1958/59. Data on institutional holdings are excluded.

* * *

SOURCE: Belgium. Ministère des affaires économiques et de l'énergie, Institut national de statistique. *Recensement général de l'agriculture et des forêts de 1959.*

Tome I: *Exposé des méthodes. Résultats de la première phase du recensement (15 mai 1959) — Dénombrement des exploitations — Culture*, Bruxelles, 1961.

Tome II: *Résultats de la première phase du recensement (15 mai 1959) — Cheptel*, Bruxelles, 1961.

BELGIUM

Tome III: *Résultats de la première phase du recensement (15 mai 1959) — Age des chefs d'exploitation — Dispersion des terres — Statut juridique — Mode de gestion — Mode de faire-valoir et morcellement des exploitations — Genre de propriétaire des terres*, Bruxelles, 1962.

Tome IV: *Résultats de la première phase du recensement (15 mai 1959) — Cultures horticoles*, Bruxelles, 1963.

Tome VI: *Résultats de la première phase du recensement (15 mai 1959) — Machines et installations*, Bruxelles, 1963.

Tome VII: *Résultats de la seconde phase du recensement (31 décembre 1959) — Nationalité,*

profession, degré d'instruction et formation professionnelle des chefs d'exploitation — Systèmes de vente directe aux consommateurs — Composition des ménages des chefs d'exploitation — Main-d'œuvre agricole, Bruxelles, 1963.

Tome VIII: *Résultats de la seconde phase du recensement (31 décembre 1959) — Cultures dérobées — Naissances du bétail — Animaux abattus pour la consommation particulière — Denrées alimentaires pour le bétail — Amendements et engrais — Produits phytopharmaceutiques — Plantes et semences — Améliorations foncières — Cultures maraîchères*, Bruxelles, 1964.

For data on 1950, see *Recensement général de l'agriculture de 1950*. Tomes I, II, III, V and VI.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

BELGIUM

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings - 1959-I¹

Number	269 069
Total area	1 767 447
Agricultural area	1 660 831

Number and area of holdings - 1959-II

Number	262 028
Agricultural area	1 649 769

Fragmentation - 1959-I

Number of parcels in the holdings reporting	1 317 421
Average number of parcels per holding.....	4.9
Number of holdings consisting of:	
1 parcel	72 636
2-4 parcels	92 166
5-9 parcels	65 634
10 parcels and over	37 425

Age of the holder - 1959-I

Number of holders	
Under 30 years of age	14 984
30-39 years of age	49 871
40-49 years of age	57 317
50-64 years of age	108 208
65 years of age and over	38 689

Number and agricultural area of holdings, by tenure - 1959-I

Holdings operated under one form of tenure

Holdings owned by the holder or in ownerlike possession	
Number	71 819
Agricultural area	160 588

Holdings rented from others

Number	66 502
Agricultural area	512 848

Holdings operated under more than one form of tenure

50% or more owned by the holder	
Number	48 695
Agricultural area	334 242

50% or more rented from others

Number	80 845
Agricultural area	653 153

Agricultural area in holdings, by tenure - 1959-I

Area owned by the holder or in ownerlike possession	536 955
Area rented from others	1 123 876

1 - LAND UTILIZATION 1959-I

Utilization of land in holdings (area)

Cropland	913 804
Permanent meadows and pastures	747 027
Wood or forest land	29 761
All other land	76 855

2 - CROPS - AREA AND PRODUCTION 1959-I²

Crops on arable land

Wheat (total)

Number of holdings reporting	121 403
Area	198 215
Production	788 791

Winter wheat

Number of holdings reporting	108 326
Area	(159 794)
Production	(661 358)

Spring wheat

Number of holdings reporting	31 905
Area	(38 421)
Production	(127 433)

Rye

Number of holdings reporting	85 158
Area	61 196
Production	176 028

Maize

Area	465
Production	2 323

Barley (total)

Area	108 986
Production	397 979

Winter barley

Number of holdings reporting	35 872
Area	(34 257)
Production	(139 284)

Spring barley

Number of holdings reporting	58 945
Area	(74 729)
Production	(258 695)

Oats

Number of holdings reporting	138 455
Area	139 739
Production	423 034

Maslin

Area	586
Production	1 749

Buckwheat

Area	424
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Spelt

Area	7 477
Production	20 587

Other cereals

Area	3 447
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Edible dry beans

Area	395
Production	758

Edible dry peas

Area	7 179
Production	23 183

Horse beans

Area	3 864
Production	7 125

Lupines

Area	33
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Vetches

Area	117
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Mixed cereals and legumes for grain

Area	28
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Potatoes

Number of holdings reporting ³	194 890
Area	71 272
Production	1 357 064

Turnips for feed

Area 1959-I	124
Area 1959-II	100 733

Rutabagas (swedes) for feed

Area	244
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Carrots for feed

Area 1959-I	712
Area 1959-II	1 077

Beet for feed

Area	52 998
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¹Excluding information on the number and agricultural area of occasional producers of agricultural commodities not selling their products, or on kitchen gardens or orchards whose agricultural products are intended only for home consumption. Data on number and agricultural area of all holdings are as follows: number: 1,002,191; agricultural area: 1,717,225 ha. ²Including data on second crops derived from the second part of the census and indicated "1959-II." ³Excludes holdings reporting early potatoes harvested before August 1958.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

BELGIUM

Not classified by size of holding

Other tuber and root crops for feed			Asparagus	
Area	103		Number of holdings reporting	4 592
			Area	628
Sugar beet			Celery	
Number of holdings reporting	39 757		Area	126
Area	63 747			
Production	1 474 057		Chicory (witloof)	
			Number of holdings reporting	8 320
Flax			Area	3 071
Number of holdings reporting	10 853			
Area	20 773		Endives, lettuce and cabbage lettuce	
Production	111 983		Area	365
Linseed				
Production	12 050		Spinach	
			Area	123
Rapeseed or colza				
Area	80		Leeks	
Production	181		Area	275
Other oilseed crops				
Area	40		Rhubarb	
			Area	36
Condiment, medicinal and aromatic plants			Corn salad	
Area	25		Area	25
Tobacco			Tomatoes	
Area	1 392		Area	320
Production	3 158			
Hops			Gherkins	
Area	657		Area	29
Production	1 129			
Chicory for coffee			Onions	
Area	1 278		Area	364
Production	42 598			
Temporary meadows			Carrots	
Number of holdings reporting	36 371		Number of holdings reporting	8 320
Area (total)	52 861		Area	362
Cut for hay			Celeriac	
Area	(31 353)		Area	38
For grazing			Scorzonera	
Area	(21 508)		Area	249
Alfalfa			Beans (harvested green)	
Area	8 625		Area	698
Clover			Peas (harvested green)	
Area	28 928		Area	3 169
Sainfoin			Cauliflowers and broccoli	
Area	119		Area	577
Immature grain			Other vegetables	
Area 1959-II	2 075		Area	162
Rye grass for fodder			Cultivation under glass	
Area 1959-II	7 098		Area	1 223
Maize for silage			Crops grown for seed	
Area	1 025		Area	1 179
Maize for fodder			Green manure crops	
Area 1959-II	1 538		Area 1959-II	15 396
Cabbage for fodder			Other crops on arable land	
Area 1959-I	393		Area	4 847
Area 1959-II	9 981			
Mixed green fodder crops			Permanent meadows and pastures	
Area 1959-II	1 093		Permanent meadows cut for hay	
Other green fodder crops			Area	189 520
Area 1959-I	6 393			
Area 1959-II	6 283		Permanent crops	
Vegetables harvested for sale			Fruit trees	
Cabbage (red, white, Savoy and Brussels sprouts)			Area (total)	45 349
Area	788		For sale	
			Area	(36 950)
			For home consumption	
			Area	(8 399)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

BELGIUM

Not classified by size of holding

<i>Apples</i>	
Number of trees	3 407 380
<i>Pears</i>	
Number of trees	1 243 946
<i>Cherries</i>	
Number of trees	302 112
<i>Peaches</i>	
Number of trees	272 066
<i>Plums</i>	
Number of trees	483 931
<i>Apricots</i>	
Number of trees	122 802
<i>Walnuts</i>	
Number of trees	37 143
<i>Other fruit trees</i>	
Number of trees	41 960
Strawberries	
Area	957
Gooseberries	
Number of plants	390 524
Currants	
Number of plants	523 887
Other small cultivated fruit	
Number of plants	73 302
Osiers	
Area	475
Nurseries	
Area (total)	1 427
Fruit trees	
Area	(329)
Number of trees	5 481 621
Ornamental trees and bushes	
Area	(1 098)

3 - LIVESTOCK AND POULTRY 1959-I⁴

Horses, mules and asses

Horses

Number of holdings reporting	115 488
Total number of horses	169 745
Horses under 3 years of age	31 643
Young stock under 1 year of age	(12 216)
Young stock 1 year of age but under 3 years	(19 427)
Horses 3 years of age and over	138 102
Stallions 3 years of age and over	(2 145)
Geldings 3 years of age and over	(44 340)
Mares 3 years of age and over	(91 617)

Mules and asses

Number of mules and asses	1 472
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Cattle

Number of holdings reporting	208 410
Total number of cattle	2 642 957
Cattle under 2 years of age	1 402 118
Calves under 1 year of age	(775 040)
Young stock 1 year and under 2 years	(627 078)

Cattle 2 years of age and over	1 240 839
Cows	1 011 725
Used only for milk production	(1 002 058)
Used for milk production and as draft animals	(9 667)
Heifers	125 170
Bulls	13 677
Other cattle	90 267
Oxen used as draft animals	(3 148)
Raised primarily for meat production	(87 119)

Holdings reporting specified number of cattle

No cattle	60 659
1 head	15 117
2-4 head	49 525
5-10 head	55 808
11-20 head	48 817
21-50 head	34 474
51 head and over	4 669

Sheep

Total number of sheep	112 162
Lambs under 1 year of age	51 256
Sheep 1 year of age and over	60 906
Male	(1 512)
Female	(32 150)
Not classified by sex	(27 244)

Goats

Total number of goats	8 488
Goats under 1 year of age	1 790
Goats 1 year of age and over	6 698
Male	(611)
Female	(6 087)

Pigs

Number of holdings reporting	138 947
Total number of pigs	1 426 929
Under 6 months of age	1 097 209
Under 8 weeks of age	(443 130)
8 weeks of age, but under 6 months	(654 079)
6 months of age and over	329 720
Sows for breeding	(195 043)
All other pigs 6 months of age and over (including sows for fattening)	(134 677)

Poultry and rabbits (number)

Hens, cocks, pullets and chicks (total)	12 414 559
Laying hens	(6 165 988)
Other poultry	(6 248 571)
Ducks and ducklings	125 293
Geese and goslings	25 866
Turkeys and poults	31 663
Guinea hens	12 193
Rabbits	346 683

Bees

Number of beehives	41 999
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4 - EMPLOYMENT IN AGRICULTURE 1959-II

Persons employed in agricultural work on the holding

All persons	566 980
Holders and unpaid members of their households	543 724
Permanent workers	372 106
Male	(205 007)
Female	(167 099)
Temporary workers	634
Male	51
Female	(29 04)
Occasional workers	(22 620)
Male	119 984
Female	(77 716)
(42 268)	

⁴ Information on the number of livestock and poultry for occasional producers of agricultural commodities not selling their products, or on kitchen gardens or orchards whose agricultural products are intended only for home consumption is as follows:

Horses	228
Mules and asses	202
Cattle	5 901
Sheep	73 720
Goats	20 206
Pigs	23 290

Cocks, hens, pullets and chicks	1 860 164
Ducks and ducklings	50 037
Geese and goslings	14 622
Turkeys and poults	8 357
Guinea hens	5 341
Rabbits	943 450

Area: in hectares
Production: in metric tons
(unless otherwise specified)

BELGIUM

Not classified by size of holding

Paid persons (excluding holder's household)		Other agricultural machinery (number)	
Permanent workers	16 968	Plows (total)	240 617
Male	(15 811)	Animal-operated	(198 199)
Female	(1 157)	Tractor-operated	(42 418)
Paid members of the holder's household	6 288	Tine harrows	186 454
Permanent workers	5 671	Disk harrows	12 438
Male	(4 146)	Weeder harrows, colter harrows and culti-	
Female	(1 525)	vators	72 404
Temporary workers	274	Sowing machines (total)	69 818
Male	(141)	Hand-operated	(20 349)
Female	(133)	Animal-operated	(44 190)
Occasional workers	343	Tractor-operated	(5 279)
Male	(256)	Potato-planting machines	10 387
Female	(87)	Hoes (animal drawn)	13 875
Number of man-days worked on the holding		Rotary hoes (total)	38 105
by temporary and/or occasional workers ..	11 394 050	Animal-operated	(33 824)
		Tractor-operated	(4 281)
5 - FARM POPULATION 1959-II		Fertilizer distributors	39 100
All persons	1 034 114	Stable manure spreaders	2 557
Holders and members of their households.	1 028 479	Farmyard manure loaders	1 189
Male	(534 432)	Sprayers (total)	50 507
Female	(494 047)	Knapsack	(26 679)
Other persons living on the holding	5 635	Others	(23 828)
Male	(4 685)	Dusters (total)	9 779
Female	(950)	Hand-operated	(8 789)
		Mechanically operated	(990)
6 - AGRICULTURAL POWER AND MACHINERY		Rollers	100 678
AND GENERAL TRANSPORT FACILITIES 1959-I⁵		Transplanters	1 437
Use and source of power on the holding		Regenerators for pastures	8 768
Number of holdings reporting electric power		Mowers (total)	95 579
(total) ⁶	172 772	Animal-operated	(80 129)
Purchased	(172 570)	With auxiliary motor	(966)
Produced on own holding	(202)	Tractor-operated	(14 484)
Selected agricultural equipment owned by the		Rakes (animal-operated)	23 292
holder		Forage rakes	432
Internal combustion motors		Reapers and binders (total)	50 959
Number of holdings reporting	8 694	Engine-operated	(8 204)
Number of motors	9 249	Animal-operated	(42 755)
Steam engines		Combines (harvester-thresher)	1 805
Number of holdings reporting	6	Potato-harvesting machinery	30 249
Number of steam engines	8	Beet-harvesting machinery	2 570
Windmills		Beet-harvesters and toppers	332
Number of holdings reporting	15	Forage harvesters	633
Number of windmills	18	Hay tedders and swath turners	48 488
Waterwheels		Beet toppers	2 094
Number of holdings reporting	242	Beet lifters	5 100
Number of waterwheels	256	Flax pullers	2 115
Electric motors		Chicory-root diggers	1 830
Number of holdings reporting	121 101	Threshers	21 226
Number of motors	231 970	Pick-up balers	1 634
Tractors (total)		Straw-baling presses	1 193
Wheel tractors	38 979	Green fodder silage cutters	804
Less than 20 hp	(7 320)	Sorters	15 820
20 hp and less than 30	(19 089)		
30 hp and less than 40	(9 334)		
40 hp and over	(3 236)		
Track-laying tractors			
Number of holdings reporting	895		
Total number of tractors	917		
Less than 20 hp	(164)		
20 hp and less than 30	(448)		
30 hp and over	(305)		
Garden tractors			
Number of holdings reporting	3 674		
Number of tractors	(4 001)		
Other tractors			
Number of holdings reporting	165		
Number of tractors	(172)		

⁵ For additional information on machinery owned by nonagricultural holdings, see note on page 25. ⁶ Excludes information on holders practicing agriculture as a subsidiary occupation, but having declared sales of agricultural products of their holdings.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

BELGIUM

Not classified by size of holding

Grain crushers, crushers and mills	34 788
Potato mashers	10 185
Oilcake breakers	794
Root cutters	60 760
Chaff cutters	9 502
Winnowers	58 004
Beet washers	841
Potato steamer for silage	569
Livestock feed steamers	38 586
Milking machines	31 748
Cream separators	87 785
Incubators (total)	1 068
Capacity under 500 eggs	(279)
Capacity 500 eggs and over	(789)
Milk coolers	3 960
Egg sorters	248
Crop driers	2 327
Trailers	299 514
Trucks, vans and jeeps	9 491
Elevators	5 412

7 - IRRIGATION AND DRAINAGE 1959-I

Land provided with irrigation facilities	
Number of holdings reporting	425
Area	450

Land drained through covered drains	
Number of holdings reporting	28 407
Area	142 506

8 - FERTILIZERS AND SOIL DRESSINGS 1959-II

Application of organic and inorganic fertilizers	
Number of holdings reporting	249 029
Organic fertilizers	
Farmyard manure	
Amount applied (metric tons)	8 964
Other organic fertilizers	
Amount applied (metric tons)	57
Inorganic fertilizers	
Nitrogenous	
Amount applied (metric tons)	402 078
Phosphate	
Amount applied (metric tons)	522 966
Potash	
Amount applied (metric tons)	345 792
Mixed	
Amount applied (metric tons)	269 748
Other fertilizers	
Blood (dry), horn meal and other animal by-products	
Amount applied (metric tons)	798
Wool waste	
Amount applied (metric tons)	7 289
Guano	
Amount applied (metric tons)	1 675

Application of soil dressings	
Lime	
Amount applied (metric tons)	275 818
Other soil dressings	
Amount applied (metric tons)	248 494

NOTE: Additional information on the number of selected agricultural machinery owned by nonagricultural holdings as co-operatives, contractors and other institutions, is as follows:

Internal combustion motors	980
Tractors	2 573
Combines (harvester-threshers)	836
Threshers	1 370
Pick-up balers	487
Straw-baling presses	813

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
0 - HOLDER, HOLDING AND TENURE					
Number and area of holdings 1959-I¹					
Number.....	269 069	1 208	42 138	30 267	55 253
Percentage distribution.....	100.0	0.4	15.7	11.3	20.5
Total area.....	1 767 447	—	31 202		250 513)*
Percentage distribution.....	100.0	—	1.8		14.2)
Agricultural area.....	1 660 831	—	9 521	22 477	103 649
Percentage distribution.....	100.0	—	0.6	1.4	6.2
Number and area of holdings 1959-II					
Number.....	262 028	1 339	37 634	29 959	53 969
Percentage distribution.....	100.0	0.5	14.4	11.4	20.6
Agricultural area.....	1 649 769	—	8 861	22 267	100 910
Percentage distribution.....	100.0	—	0.5	1.3	6.1
Fragmentation 1959-I					
Number of parcels in the holdings reporting.....	1 317 421	—	52 469	57 402	179 365
Average number of parcels per holding.....	4.9	—	1.2	1.9	3.2
Number of holdings consisting of:					
1 parcel.....	72 636	—	33 826	14 405	12 869
2-4 parcels.....	92 166	—	8 234	14 945	29 726
5-9 parcels.....	65 634	—	72	907	11 829
10 parcels and over.....	37 425	—	6	10	829
Age of the holder 1959-I					
Number of holders:					
Under 30 years of age.....	14 984	120	2 080	1 323	2 886
30-39 years of age.....	49 871	297	7 106	4 552	8 828
40-49 years of age.....	57 317	295	8 331	5 833	11 069
50-64 years of age.....	108 208	343	15 402	11 397	24 052
65 years of age and over.....	38 689	153	9 219	7 162	8 418
Number and agricultural area of holdings, by tenure 1959-I					
Holdings operated under one form of tenure					
Owned by the holder or in ownerlike possession					
Number.....	71 819	—	28 600	14 021	15 031
Agricultural area.....	160 588	—	6 085	10 183	26 055
Rented from others					
Number.....	66 502	—	8 829	6 824	12 999
Agricultural area.....	512 848	—	1 983	5 077	24 307
Holdings operated under more than one form of tenure					
50% or more owned by the holder					
Number.....	48 695	—	2 185	3 807	10 765
Agricultural area.....	334 242	—	642	2 907	20 844
50% or more rented from others					
Number.....	80 845	—	2 524	5 615	16 458
Agricultural area.....	653 153	—	811	4 310	32 443
Agricultural area in holdings, by tenure 1959-I					
Owned by the holder or in ownerlike possession.....					
Number.....	536 955	—	6 635	13 001	47 775
Rented from others.....	1 123 876	—	2 887	9 476	55 875

* Total area: 250,513 ha, and percentage distribution: 14.2 refers to holding sizes "1 and under 3 ha" and "3 and under 5 ha."
¹ Excluding information on the number and agricultural area of occasional producers of agricultural commodities not selling their products or on kitchen gardens or orchards whose agricultural products are intended only for home consumption. Data on number and agricultural area of all holdings are as follows:

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Number and area of holdings					
Number.....	1 022 191	1 208	760 069	42 208	58 122
Percentage distribution.....	100.0	0.1	75.9	4.2	5.8
Agricultural area.....	1 717 225	—	51 649	30 543	107 875
Percentage distribution.....	100.0	—	3.0	1.8	6.3

BELGIUM

AGRICULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
						0 - HOLDER, HOLDING AND TENURE
						Number and area of holdings 1959-I¹
37 968 14.1	52 583 19.5	35 165 13.1	12 305 4.6	1 873 0.7	309 0.1	Number
* { —	386 882	515 136	393 201	135 298	55 215	Percentage distribution
{ —	21.9	29.1	22.2	7.7	3.1	Total area
149 088 9.0	374 915 22.5	487 475 29.4	347 727 20.9	126 136 7.6	39 843 2.4	Percentage distribution
						Number and area of holdings 1959-II
37 269 14.2	52 167 19.9	35 334 13.5	12 182 4.7	1 870 0.7	305 0.1	Number
146 124 8.9	372 085 22.6	490 465 29.7	344 522 20.9	125 663 7.6	38 872 2.4	Percentage distribution
						Fragmentation 1959-I
200 692 5.3	368 467 7.0	317 555 9.0	121 374 9.9	17 116 9.1	2 981 9.6	Number of parcels in the holdings reporting
						Average number of parcels per holding
						Number of holdings consisting of:
3 893	3 986	2 413	956	234	54	1 parcel
14 103	14 455	7 689	2 589	380	45	2-4 parcels
15 903	21 049	11 546	3 698	544	86	5-9 parcels
4 069	13 093	13 517	5 062	715	124	10 parcels and over
						Age of the holder 1959-I
						Number of holders:
2 320	3 414	2 142	614	70	15	Under 30 years of age
6 950	11 174	7 813	2 672	418	61	30-39 years of age
8 116	11 908	8 370	2 911	397	87	40-49 years of age
16 633	21 292	13 408	4 801	763	117	50-64 years of age
3 949	4 795	3 432	1 307	225	29	65 years of age and over
						Number and agricultural area of holdings, by tenure 1959-I
						Holdings operated under one form of tenure
						Owned by the holder or in ownerlike possession
5 467	5 348	2 659	600	81	12	Number
20 837	37 442	35 730	16 819	5 328	2 109	Agricultural area
						Rented from others
9 102	13 366	9 871	4 370	988	153	Number
35 747	95 772	138 436	125 729	67 243	18 554	Agricultural area
						Operated under more than one form of tenure
						50% or more owned by the holder
8 709	12 778	8 218	2 031	164	38	Number
34 282	90 987	112 663	55 865	10 667	5 385	Agricultural area
						50% or more rented from others
14 690	21 091	14 417	5 304	640	106	Number
58 221	150 714	200 646	149 314	42 899	13 795	Agricultural area
						Agricultural area in holdings, by tenure 1959-I
58 174	136 812	160 101	86 526	19 958	7 973	Owned by the holder or in ownerlike possession
90 913	238 102	327 374	261 201	106 178	31 870	Rented from others

Total area : 250,513 ha, and percentage distribution: 14.2 refers to holding sizes "1 and under 3 ha" and "3 and under 5 ha."

AGRICULTURAL AREA OF HOLDING

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
						Number and area of holdings
38 221 3.8	52 684 5.3	35 188 3.5	12 309 1.2	1 873 0.2	309 —	Number
150 000 8.7	375 577 21.9	487 773 28.4	347 829 20.3	126 136 7.3	39 843 2.3	Percentage distribution
						Agricultural area
						Percentage distribution

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGRI

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
1 - LAND UTILIZATION 1959-I					
Utilization of land in holdings (area)					
Cropland.....	913 804	—	7 641	13 522	54 278
Permanent meadows and pastures.....	747 027	—	1 880	8 955	49 371
Wood or forest land.....	29 761	115	978	798	3 236
All other land.....	76 855	245	2 788	2 867	8 517
2 - CROPS - AREA 1959-I²					
Crops on arable land					
Wheat (total)					
Number of holdings reporting.....	121 403	—	3 591	8 240	21 521
Area.....	198 215	—	395	1 437	7 140
Winter wheat					
Number of holdings reporting.....	108 326	—	3 191	7 425	19 535
Area.....	(159 794)	(—)	(344)	(1 260)	(6 272)
Spring wheat					
Number of holdings reporting.....	31 905	—	416	935	3 017
Area.....	(38 421)	(—)	(51)	(177)	(868)
Rye					
Number of holdings reporting.....	85 158	—	3 045	7 353	20 473
Area.....	61 196	—	282	1 179	6 649
Maize					
Area.....	465	—	28	37	69
Barley					
Area (total).....	108 986	—	110	419	2 882
Winter barley					
Number of holdings reporting.....	35 872	—	207	929	4 627
Area.....	(34 257)	(—)	(24)	(146)	(1 187)
Spring barley					
Number of holdings reporting.....	58 945	—	722	1 416	5 197
Area.....	(74 729)	(—)	(86)	(273)	(1 695)
Oats					
Number of holdings reporting.....	138 455	—	1 701	5 674	24 040
Area.....	139 739	—	154	771	6 188
Maslin					
Area.....	586	—	1	2	26
Buckwheat					
Area.....	424	—	1	8	27
Spelt					
Area.....	7 477	—	1	8	63
Other cereals					
Area.....	3 447	—	6	13	116
Edible dry beans					
Area.....	395	—	7	12	24
Edible dry peas					
Area.....	7 179	—	16	25	94
Horse beans					
Area.....	3 864	—	3	5	18
Lupines					
Area.....	33	—	1	2	5

² Including data on second crops derived from the second part of the census and indicated "1959-II."

BELGIUM

CULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
						1 - LAND UTILIZATION 1959-I
						Utilization of land in holdings (area)
78 183	192 919	252 453	201 021	83 395	30 392	Cropland
70 905	181 996	235 022	146 706	42 741	9 451	Permanent meadows and pastures
2 896	5 941	6 893	4 780	3 152	972	Wood or forest land
8 914	18 548	18 540	12 032	3 446	958	All other land
						2 - CROPS - AREA 1959-I²
						Crops on arable land
						Wheat (total)
19 743	31 001	24 549	10 678	1 781	299	Number of holdings reporting
11 686	32 319	54 481	55 022	25 773	9 962	Area
						<i>Winter wheat</i>
18 084	27 619	21 175	9 373	1 641	283	Number of holdings reporting
(10 390)	(28 118)	(45 236)	(42 868)	(18 321)	(6 985)	Area
						<i>Spring wheat</i>
3 353	7 455	9 471	5 679	1 336	243	Number of holdings reporting
(1 296)	(4 201)	(9 245)	(12 154)	(7 452)	(2 977)	Area
						Rye
17 848	23 318	10 752	2 180	171	18	Number of holdings reporting
10 918	22 823	14 716	3 755	513	361	Area
						Maize
63	111	81	51	10	15	Area
						Barley
5 581	18 314	31 726	31 298	13 825	4 831	Area (total)
						<i>Winter barley</i>
6 137	10 483	8 572	3 829	894	194	Number of holdings reporting
(2 466)	(6 590)	(9 305)	(7 988)	(4 653)	(1 898)	Area
						<i>Spring barley</i>
6 920	16 830	17 466	8 681	1 464	249	Number of holdings reporting
(3 115)	(11 724)	(22 421)	(23 310)	(9 172)	(2 933)	Area
						Oats
25 800	40 138	28 313	10 821	1 699	269	Number of holdings reporting
12 086	33 510	43 710	29 531	10 866	2 923	Area
						Maslin
62	150	206	103	36	—	Area
						Buckwheat
37	101	136	77	32	5	Area
						Spelt
185	908	2 871	2 525	824	92	Area
						Other cereals
230	754	1 251	766	261	50	Area
						Edible dry beans
18	59	114	118	42	1	Area
						Edible dry peas
200	933	2 377	2 896	537	101	Area
						Horse beans
36	138	457	1 225	1 324	658	Area
						Lupines
6	9	3	3	3	1	Area

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Vetches					
Area.	117	—	—	—	1
Mixed cereals and legumes for grain					
Area.	28	—	—	1	—
Potatoes					
Number of holdings reporting ³	194 890	—	21 133	20 818	41 008
Area.	71 272	—	1 390	2 271	7 483
Turnips for feed					
Area 1959-I.	124	—	2	3	9
Area 1959-II.	100 733	—	369	1 539	10 023
Rutabagas (swedes) for feed					
Area.	244	—	3	3	11
Carrots for feed					
Area 1959-I.	712	—	10	34	109
Area 1959-II.	1 077	—	8	31	151
Beet for feed					
Area.	52 998	—	264	1 282	6 409
Other tuber and root crops for feed					
Area.	103	—	2	4	16
Sugar beet					
Number of holdings reporting.	39 757	—	236	606	2 627
Area.	63 747	—	38	126	804
Flax					
Number of holdings reporting.	10 853	—	28	33	229
Area.	20 773	—	4	9	100
Rapeseed or colza					
Area.	80	—	—	—	2
Other oilseed crops					
Area.	40	—	—	—	—
Condiment, medicinal and aromatic plants					
Area.	25	—	3	3	1
Tobacco					
Area.	1 392	—	68	73	146
Hops					
Area.	657	—	16	20	64
Chicory for coffee					
Area.	1 278	—	7	9	43
Temporary meadows					
Number of holdings reporting.	36 371	—	587	1 286	5 373
Area (total).	52 861	—	72	346	2 482
Cut for hay					
Area.	(31 353)	(—)	(46)	(198)	(1 543)
For grazing					
Area.	(21 508)	(—)	(26)	(148)	(939)
Alfalfa					
Area.	8 625	—	6	29	152
Clover					
Area.	28 928	—	27	147	1 237

³ Excludes holdings reporting early potatoes harvested before August 1958.

BELGIUM

CULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
						Vetches
3	10	29	40	24	10	Area
						Mixed cereals and legumes for grain
—	1	4	1	8	13	Area
						Potatoes
30 061	42 382	28 186	9 933	1 204	165	Number of holdings reporting ³
9 498	19 909	18 929	10 352	1 182	258	Area
						Turnips for feed
15	44	37	14	—	—	Area 1959-I
17 008	36 911	26 928	7 593	279	83	Area 1959-II
						Rutabagas (swedes) for feed
18	58	106	42	2	1	Area
						Carrots for feed
127	209	166	52	5	—	Area 1959-I
207	370	234	72	4	—	Area 1959-II
						Beet for feed
8 232	15 480	13 281	6 597	1 242	211	Area
						Other tuber and root crops for feed
11	21	32	10	7	—	Area
						Sugar beet
4 447	11 275	12 444	6 578	1 275	269	Number of holdings reporting
2 097	9 102	18 084	18 592	10 166	4 738	Area
						Flax
513	2 147	3 980	2 979	755	189	Number of holdings reporting
274	1 523	4 852	7 006	4 702	2 303	Area
						Rapeseed or colza
—	2	1	17	45	13	Area
						Other oilseed crops
—	1	5	33	1	—	Area
						Condiment, medicinal and aromatic plants
2	4	3	1	—	8	Area
						Tobacco
148	387	396	173	1	—	Area
						Hops
100	169	179	109	—	—	Area
						Chicory for coffee
125	428	446	210	10	—	Area
						Temporary meadows
6 790	12 023	8 022	2 025	235	30	Number of holdings reporting
4 648	13 420	18 997	9 857	2 494	545	Area (total)
(3 063)	(8 715)	(11 284)	(5 045)	(1 186)	(273)	Cut for hay
						Area
(1 585)	(4 705)	(7 713)	(4 812)	(1 308)	(272)	For grazing
						Area
						Alfalfa
308	1 120	2 280	2 803	1 286	641	Area
						Clover
2 090	4 706	7 652	7 692	4 345	1 032	Area

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Sainfoin					
Area.	119	—	—	1	3
Immature grain					
Area 1959-II.	2 075	—	3	10	69
Rye grass for fodder					
Area 1959-II.	7 098	—	4	25	233
Maize for silage					
Area.	1 025	—	1	1	4
Maize for fodder					
Area 1959-II.	1 538	—	2	12	105
Cabbage for fodder					
Area 1959-I.	393	—	11	11	28
Area 1959-II.	9 981	—	54	86	428
Mixed green fodder crops					
Area 1959-II.	1 093	—	2	3	31
Other green fodder crops					
Area 1959-I.	6 393	—	23	64	469
Area 1959-II.	6 283	—	13	43	256
Vegetables harvested for sale					
Cabbage (red, white, Savoy, and Brussels sprouts)					
Area.	788	—	36	72	202
Asparagus					
Area.	628	—	147	80	160
Celery					
Area.	126	—	13	28	45
Chicory witloof					
Area.	3 071	—	111	205	962
Endives, lettuce and cabbage lettuce					
Area.	365	—	47	92	150
Spinach					
Area.	123	—	12	27	49
Leeks					
Area.	275	—	38	69	109
Rhubarb					
Area.	36	—	6	7	11
Corn salad					
Area.	25	—	4	6	10
Tomatoes					
Area.	320	—	18	53	190
Gherkins					
Area.	29	—	6	5	7
Onions					
Area.	364	—	23	30	61
Carrots					
Area.	362	—	31	44	94

BELGIUM

AGRICULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
						Sainfoin
5	32	40	30	8	—	Area
						Immature grain
159	581	695	463	83	12	Area 1959-II
						Rye grass for fodder
670	2 441	2 618	949	89	69	Area 1959-II
						Maize for silage
8	59	245	479	186	42	Area
						Maize for fodder
205	520	427	219	36	12	Area 1959-II
						Cabbage for fodder
30	75	133	81	21	3	Area 1959-I
796	2 513	3 562	2 276	239	27	Area 1959-II
						Mixed green fodder crops
78	274	347	273	70	15	Area 1959-II
						Other green fodder crops
738	1 448	1 921	1 368	3 8	54	Area 1959-I
408	1 195	1 895	1 528	683	262	Area 1959-II
						Vegetables harvested for sale
						Cabbage (red, white, Savoy, and Brussels sprouts)
126	160	69	71	47	5	Area
						Asparagus
121	101	15	3	1	—	Area
						Celery
7	6	15	11	1	—	Area
						Chicory witloof
840	585	190	113	62	3	Area
						Endives, lettuce and cabbage lettuce
42	27	4	2	1	—	Area
						Spinach
15	9	2	4	5	—	Area
						Leek
26	17	8	5	1	2	Area
						Rhubarb
4	5	1	2	—	—	Area
						Corn salad
2	2	1	—	—	—	Area
						Tomatoes
41	15	2	1	—	—	Area
						Gherkins
2	5	4	—	—	—	Area
						Onions
33	60	65	57	35	—	Area
						Carrots
39	60	48	25	20	1	Area

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Celeriac					
Area.	38	—	3	8	16
Scorzonera					
Area.	249	—	4	7	22
Beans (harvested green)					
Area.	698	—	56	65	152
Peas (harvested green)					
Area.	3 169	—	27	35	93
Cauliflower and broccoli					
Area.	577	—	17	77	298
Other vegetables					
Area.	162	—	27	39	61
Cultivation under glass					
Area.	1 223	—	552	272	297
Crops grown for seed					
Area.	1 179	—	1	2	21
Green manure crops					
Area 1959-II.	15 396	—	24	51	288
Other crops on arable land					
Area.	4 847	—	804	555	918
Permanent meadows and pastures					
Permanent meadows cut for hay (area)	189 520	—	402	2 079	13 436
Permanent crops					
Fruit trees					
Area (total).	45 349	—	2 170	2 729	6 277
For sale					
Area.	(36 950)	(—)	(1 427)	(1 992)	(4 893)
For home consumption					
Area.	(8 399)	(—)	(743)	(737)	(1 384)
Apples					
Number of trees.	3 407 380	—	133 444	195 093	563 544
Pears					
Number of trees.	1 243 946	—	62 224	90 655	229 342
Cherries					
Number of trees.	302 112	—	17 032	19 100	41 818
Peaches					
Number of trees.	272 066	—	18 445	32 294	65 171
Plums					
Number of trees.	483 931	—	31 440	39 967	85 161
Apricots					
Number of trees.	122 802	—	16 177	16 448	25 459
Walnuts					
Number of trees.	37 143	—	3 372	3 863	7 007
Other fruit trees					
Number of trees.	41 960	—	3 755	3 786	7 327
Strawberries					
Area.	957	—	248	162	221
Gooseberries					
Number of plants.	390 524	—	50 112	64 969	112 574

BELGIUM

AGRICULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
						Celeriac
4	4	2	1	—	—	Area
						Scorzonera
26	83	71	36	—	—	Area
						Beans (harvested green)
75	80	78	101	64	27	Area
						Peas (harvested green)
74	228	419	537	854	902	Area
						Cauliflower and broccoli
92	75	11	4	3	—	Area
						Other vegetables
12	12	6	4	—	1	Area
						Cultivation under glass
54	28	14	5	1	—	Area
						Crops grown for seed
12	106	259	548	168	62	Area
						Green manure crops
483	1 647	3 914	4 412	2 953	1 624	Area 1959-11
						Other crops on arable land
596	852	619	335	108	60	Area
						Permanent meadows and pastures
20 610	51 586	62 611	30 869	6 582	1 345	Permanent meadows cut for hay (area)
						Permanent crops
						Fruit trees
5 606	11 101	9 668	5 588	1 788	422	Area (total)
(4 449)	(9 143)	(8 200)	(4 857)	(1 598)	(391)	For sale
						Area
(1 157)	(1 958)	(1 468)	(731)	(190)	(31)	For home consumption
						Area
467 834	870 520	654 126	388 528	92 530	41 761	<i>Apples</i>
						Number of trees
181 124	306 597	215 775	126 876	21 882	9 471	<i>Pears</i>
						Number of trees
39 338	80 050	62 785	32 607	7 502	1 880	<i>Cherries</i>
						Number of trees
60 885	64 759	22 659	7 273	477	103	<i>Peaches</i>
						Number of trees
69 581	116 461	87 630	43 773	8 226	1 692	<i>Plums</i>
						Number of trees
19 844	22 752	14 182	6 547	1 319	74	<i>Apricots</i>
						Number of trees
5 259	9 630	5 351	1 795	733	133	<i>Walnuts</i>
						Number of trees
8 760	6 642	5 821	4 930	896	43	<i>Other fruit trees</i>
						Number of trees
						Strawberries
103	134	74	13	1	1	Area
						Gooseberries
59 888	75 365	13 378	14 133	2	103	Number of plants

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Currants					
Number of plants.....	523 887	—	101 131	95 384	155 648
Other small cultivated fruit					
Number of plants.....	73 302	—	4 905	37 395	7 696
Oslers					
Area.....	475	—	18	35	116
Nurseries					
Area (total).....	1 427	—	74	85	252
Fruit trees					
Area.....	(329)	(—)	(9)	(14)	(51)
Number.....	5 481 621	—	122 722	138 606	812 952
Ornamental trees and bushes					
Area.....	(1 098)	(—)	(65)	(71)	(201)
3 - LIVESTOCK AND POULTRY 1959-1⁴					
Horses, mules and asses					
Horses					
Number of holdings reporting.....	115 488	10	229	1 194	13 593
Total number of horses.....	169 745	17	234	1 237	13 884
Under 3 years of age.....	31 643	3	19	122	1 124
Young stock under 1 year of age.....	(12 216)	(—)	(2)	(21)	(160)
Young stock 1 year of age but under 3.....	(19 427)	(3)	(17)	(101)	(964)
3 years of age and over.....	138 102	14	215	1 115	12 760
Stallions.....	(2 145)	(3)	(10)	(20)	(147)
Geldings.....	(44 340)	(7)	(122)	(634)	(6 721)
Mares.....	(91 617)	(4)	(83)	(461)	(5 892)
Mules and asses					
Total number of mules and asses.....	1 472	2	74	335	680
Cattle					
Number of holdings reporting.....	208 410	147	5 451	18 150	46 966
Total number of cattle.....	2 642 957	691	9 531	34 901	176 899
Under 2 years of age.....	1 402 118	474	5 605	16 822	80 067
Calves under 1 year of age.....	(775 040)	(354)	(3 246)	(8 634)	(44 047)
Young stock 1 year, but under 2.....	(627 078)	(120)	(2 359)	(8 188)	(36 020)
2 years of age and over.....	1 240 839	217	3 926	18 079	96 832
Cows.....	1 011 725	137	3 321	16 232	86 145
Used only for milk production.....	(1 002 058)	(135)	(3 266)	(15 905)	(83 102)
Used for milk production and as draft animals.....	(9 667)	(2)	(55)	(327)	(3 043)
Heifers.....	125 170	14	237	991	5 217
Bulls.....	13 677	3	56	127	463
Other cattle.....	90 267	63	312	729	5 007
Oxen used as draft animals.....	(3 148)	(—)	(1)	(16)	(225)
Raised primarily for meat production.....	(87 119)	(63)	(311)	(713)	(4 782)
Holdings reporting specified number of cattle					
No cattle.....	60 659	1 061	36 687	12 117	8 287
1 head.....	15 117	29	3 074	7 433	4 215
2-4 head.....	49 525	72	2 217	10 205	29 251
5-10 head.....	55 808	32	134	494	12 882
11-20 head.....	48 817	10	18	13	589
21-50 head.....	34 474	4	7	5	27
51 head and over.....	4 669	—	1	—	2
Sheep					
Total number of sheep.....	112 162	1 852	19 180	16 250	21 349
Lambs under 1 year of age.....	51 256	800	8 106	6 964	9 221
Sheep 1 year of age and over.....	60 906	1 052	11 074	9 286	12 128
Male.....	(1 512)	(11)	(219)	(193)	(349)
Female.....	(32 150)	(370)	(8 009)	(6 534)	(6 048)
Not classified by sex.....	(27 244)	(671)	(2 846)	(2 559)	(5 731)
Goats					
Total number of goats.....	8 488	40	2 818	2 210	1 829
Under 1 year of age.....	1 790	12	474	332	378
1 year of age and over.....	6 698	28	2 344	1 878	1 451
Male.....	(611)	(2)	(176)	(98)	(115)
Female.....	(6 087)	(26)	(2 168)	(1 780)	(1 336)

⁴ For information on the number of livestock and poultry for occasional producers of agricultural commodities not selling their products, or on kitchen gardens or orchards whose agricultural products are intended only for home consumption, see footnote 4 on page 23.

BELGIUM

CULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
60 269	70 893	24 151	13 225	475	2 711	Currants
						Number of plants
						Other small cultivated fruit
9 236	10 020	4 050	—	—	—	Number of plants
						Osiers
73	93	33	86	17	4	Area
						Nurseries
236	288	344	139	5	4	Area (total)
(60)	(62)	(80)	(48)	(5)	(—)	Fruit trees
1 253 145	1 102 580	1 076 310	962 006	13 300	—	Area
						Number
(176)	(226)	(264)	(91)	(—)	(4)	Ornamental trees and bushes
						Area
						3 - LIVESTOCK AND POULTRY 1959-1¹
						Horses, mules and asses
						Horses
23 518	40 080	26 007	9 253	1 382	222	Number of holdings reporting
24 625	50 958	47 622	24 127	5 742	1 299	Total number of horses
2 349	7 286	10 481	7 571	2 167	521	Under 3 years of age
(462)	(2 320)	(4 490)	(3 474)	(1 069)	(218)	Young stock under 1 year of age
(1 887)	(4 966)	(5 991)	(4 097)	(1 098)	(303)	Young stock 1 year of age but under 3
22 276	43 684	37 129	16 556	3 575	778	years of age and over
(187)	(417)	(492)	(492)	(295)	(82)	Stallions
(9 902)	(15 446)	(9 050)	(2 224)	(186)	(48)	Geldings
(12 187)	(27 821)	(27 587)	(13 840)	(3 094)	(648)	Mares
						Mules and asses
168	104	67	31	9	2	Total number of mules and asses
						Cattle
36 632	51 845	34 888	12 213	1 838	280	Number of holdings reporting
270 001	689 370	824 732	486 434	126 035	24 363	Total number of cattle
129 958	356 191	452 200	276 898	71 109	12 794	Under 2 years of age
(76 397)	(205 665)	(250 238)	(145 032)	(35 268)	(6 159)	Calves under 1 year of age
(53 561)	(150 526)	(201 962)	(131 866)	(35 841)	(6 635)	Young stock 1 year, but under 2
140 043	333 179	372 532	209 536	54 926	11 569	years of age and over
124 980	291 530	304 059	146 601	33 107	5 613	Cows
(122 266)	(289 204)	(303 344)	(146 235)	(33 025)	(5 576)	Used only for milk production
(2 714)	(2 326)	(715)	(366)	(82)	(37)	Used for milk production and as draft animals
8 169	25 982	42 216	31 948	8 815	1 581	Heifers
811	2 761	4 649	3 618	984	205	Bulls
6 083	12 906	21 608	27 369	12 020	4 170	Other cattle
(652)	(977)	(612)	(530)	(95)	(40)	Oxen used as draft animals
(5 431)	(11 929)	(20 996)	(26 839)	(11 925)	(4 130)	Raised primarily for meat production
						Holdings reporting specified number of cattle
1 336	738	277	92	35	29	No cattle
268	79	14	5	—	—	1 head
6 540	1 121	93	22	4	—	2-4 head
24 309	16 549	1 320	75	8	5	5-10 head
5 362	28 768	13 340	682	31	4	11-20 head
153	5 314	19 588	8 914	414	48	21-50 head
—	14	533	2 515	1 381	223	51 head and over
						Sheep
8 894	11 632	13 407	10 849	6 010	2 739	Total number of sheep
4 061	5 810	6 786	5 733	2 655	1 120	Lambs under 1 year of age
4 833	5 822	6 621	5 116	3 355	1 619	Sheep 1 year of age and over
(149)	(195)	(171)	(130)	(79)	(16)	Male
(2 375)	(3 027)	(2 951)	(2 019)	(578)	(239)	Female
(2 309)	(2 600)	(3 499)	(2 967)	(2 698)	(1 364)	Not classified by sex
						Goats
459	466	371	225	58	12	Total number of goats
152	190	155	72	21	4	Under 1 year of age
307	276	216	153	37	8	1 year of age and over
(37)	(44)	(51)	(66)	(19)	(3)	Male
(270)	(232)	(165)	(87)	(18)	(5)	Female

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Pigs					
Number of holdings reporting.....	138 947	274	4 922	7 312	23 239
Total number of pigs.....	1 426 929	8 414	45 650	31 634	121 860
Under 6 months of age.....	1 097 209	7 330	36 398	25 542	97 642
Under 8 weeks of age.....	(443 130)	(368)	(4 144)	(4 220)	(21 995)
8 weeks of age, but under 6 months.....	(654 079)	(6 962)	(32 254)	(21 322)	(75 647)
6 months of age and over.....	329 720	1 084	9 252	6 092	24 218
Sows for breeding.....	(195 043)	(158)	(2 055)	(2 070)	(10 377)
All other pigs 6 months of age and over (including sows for fattening).....	(134 677)	(926)	(7 197)	(4 022)	(13 841)
Poultry and rabbits (number)					
Hens, cocks, pullets and chicks (total).....	12 414 559	430 731	2 158 572	991 104	2 050 309
Laying hens.....	(6 165 988)	(106 198)	(723 643)	(455 596)	(1 028 429)
Other poultry.....	(6 248 571)	(324 533)	(1 434 929)	(535 508)	(1 021 880)
Ducks and ducklings.....	125 293	17 599	14 966	5 647	14 063
Geese and goslings.....	25 866	392	2 594	1 746	6 493
Turkeys and poults.....	31 663	2 058	4 737	1 947	4 242
Guinea hens.....	12 193	75	2 641	773	1 054
Rabbits.....	346 683	1 872	107 915	51 194	61 426
Bees					
Number of beehives.....	41 999	2 775	16 615	3 722	5 079
4 - EMPLOYMENT IN AGRICULTURE 1959-II					
Persons employed in agricultural work on the holding					
All persons.....	566 980	1 772	55 065	48 840	100 770
Holders and unpaid members of their households.....	543 724	1 719	54 175	48 025	99 219
Permanent workers.....	372 106	288	11 924	13 902	55 859
Male.....	(205 007)	(146)	(6 341)	(6 333)	(27 737)
Female.....	(167 099)	(142)	(5 583)	(7 569)	(28 122)
Temporary workers.....	51 634	257	8 224	8 665	14 738
Male.....	(29 014)	(193)	(5 707)	(5 765)	(9 387)
Female.....	(22 620)	(64)	(2 517)	(2 900)	(5 351)
Occasional workers.....	119 984	1 174	34 027	25 458	28 622
Male.....	(77 716)	(941)	(24 118)	(17 582)	(19 352)
Female.....	(42 268)	(233)	(9 909)	(7 876)	(9 270)
Paid persons (excluding holder's household)					
Permanent workers.....	16 968	53	747	692	1 283
Male.....	(15 811)	(47)	(702)	(630)	(1 164)
Female.....	(1 157)	(6)	(45)	(62)	(119)
Paid members of the holder's household					
Permanent workers.....	6 288	—	143	123	268
Male.....	5 671	—	106	71	148
Female.....	(4 146)	(—)	(80)	(64)	(105)
Temporary workers.....	(1 525)	(—)	(26)	(7)	(43)
Male.....	274	—	7	5	28
Female.....	(141)	(—)	(2)	(4)	(20)
Occasional workers.....	(133)	(—)	(5)	(1)	(8)
Male.....	343	—	30	47	92
Female.....	(256)	(—)	(22)	(39)	(77)
Number of man-days worked on the holdings by temporary and/or occasional workers.....	(87)	(—)	(8)	(8)	(15)
11 394 050	65 629	1 739 966	1 765 002	2 841 927	
5 - FARM POPULATION 1959-II					
All Persons.....	1 034 114	4 535	124 676	104 073	193 734
Holders and members of their households.....	1 028 479	4 516	124 448	103 863	193 346
Male.....	(534 432)	(2 371)	(63 692)	(53 746)	(100 203)
Female.....	(494 047)	(2 145)	(60 756)	(50 117)	(93 143)
Other persons living on the holding.....	5 635	19	228	210	388
Male.....	(4 685)	(12)	(136)	(134)	(256)
Female.....	(950)	(7)	(92)	(76)	(132)
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES 1959-I					
Number of holdings reporting electric power (total) ⁵	172 772	128	6 712	7 119	30 569
Purchased.....	(172 570)	(128)	(6 704)	(7 113)	(30 519)
Produced on own holding.....	(202)	(—)	(8)	(6)	(50)

⁵ Excludes information on holders practicing agriculture as a subsidiary occupation, but having declared sales of agricultural products of their holdings.

BELGIUM

CULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
23 581	39 317	28 285	10 269	1 549	199	Pigs
169 239	434 221	403 726	171 806	35 015	5 364	Number of holdings reporting
134 938	338 429	307 393	122 639	23 481	3 417	Total number of pigs
(45 372)	(140 521)	(140 592)	(70 074)	(13 847)	(1 997)	Under 6 months of age
(89 566)	(197 908)	(166 801)	(52 565)	(9 634)	(1 420)	Under 8 weeks of age
34 301	95 792	96 333	49 167	11 534	1 947	8 weeks of age, but under 6 months
(19 358)	(58 491)	(60 287)	(33 565)	(7 524)	(1 158)	6 months of age and over
						Sows for breeding
(14 943)	(37 301)	(36 046)	(15 602)	(4 010)	(789)	All other pigs 6 months of age and over (including sows for fattening)
						Poultry and rabbits (number)
1 500 899	2 494 919	1 957 652	700 861	97 356	32 156	Hens, cocks, pullets and chicks (total)
(817 786)	(1 430 849)	(1 136 033)	(401 090)	(53 491)	(12 873)	Laying hens
(683 113)	(1 064 070)	(821 619)	(299 771)	(43 865)	(19 283)	Other poultry
8 494	15 481	24 563	18 426	4 731	1 323	Ducks and ducklings
1 596	3 624	4 417	3 607	1 141	256	Geese and goslings
2 614	5 087	5 968	3 618	1 136	256	Turkeys and poults
1 227	2 485	1 822	1 541	457	118	Guinea hens
32 267	46 104	31 307	12 734	1 603	261	Rabbits
						Bees
3 476	4 759	3 936	1 355	235	47	Number of beehives
						4 - EMPLOYMENT IN AGRICULTURE 1959-II
						Persons employed in agricultural work on the holding
80 434	128 397	99 928	41 333	8 531	1 910	All persons
79 551	126 150	94 409	34 358	5 351	767	Holders and unpaid members of their households
60 748	107 877	84 556	31 335	4 921	696	Permanent workers
(32 880)	(61 263)	(48 824)	(18 122)	(2 926)	(435)	Male
(27 868)	(46 614)	(35 732)	(13 213)	(1 995)	(261)	Female
7 070	7 142	4 082	1 253	180	23	Temporary workers
(3 859)	(2 769)	(1 016)	(279)	(33)	(6)	Male
(3 211)	(4 373)	(3 066)	(974)	(147)	(17)	Female
11 733	11 131	5 771	1 770	250	48	Occasional workers
(7 121)	(5 481)	(2 347)	(656)	(96)	(22)	Male
(4 612)	(5 650)	(3 424)	(1 114)	(154)	(26)	Female
						Paid persons (excluding holder's household)
657	1 291	3 135	5 191	2 827	1 092	Permanent workers
(582)	(1 129)	(2 930)	(4 915)	(2 676)	(1 036)	Male
(75)	(162)	(205)	(276)	(151)	(56)	Female
226	956	2 384	1 784	353	51	Paid members of the holder's household
152	840	2 243	1 716	344	51	Permanent workers
(101)	(608)	(1 640)	(1 254)	(260)	(34)	Male
(51)	(232)	(603)	(462)	(84)	(17)	Female
26	61	97	42	8	—	Temporary workers
(21)	(34)	(43)	(15)	(2)	(—)	Male
(5)	(27)	(54)	(27)	(6)	(—)	Female
48	55	44	26	1	—	Occasional workers
(37)	(44)	(23)	(13)	(1)	(—)	Male
(11)	(11)	(21)	(13)	(—)	(—)	Female
1 438 150	1 631 174	1 149 230	565 335	156 486	41 151	Number of man-days worked on the holdings by temporary and/or occasional workers
						5 - FARM POPULATION 1959-II
144 034	224 205	165 314	61 171	10 582	1 790	All Persons
143 796	223 671	164 153	59 442	9 671	1 573	Holders and members of their households
(74 895)	(116 641)	(85 724)	(31 214)	(5 097)	(849)	Male
(68 901)	(107 030)	(78 429)	(28 228)	(4 574)	(724)	Female
238	534	1 161	1 729	911	217	Other persons living on the holding
(154)	(400)	(1 007)	(1 565)	(841)	(180)	Male
(84)	(134)	(154)	(164)	(70)	(37)	Female
						6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES 1959-I
31 086	48 804	34 196	12 043	1 822	293	Number of

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGR

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Selected agricultural equipment owned by the holders					
Internal combustion motors					
Number of holdings reporting.....	8 694	2	615	379	931
Number of motors.....	9 249	2	653	401	990
Steam engines					
Number of holdings reporting.....	6	—	1	—	1
Number of steam engines.....	8	—	3	—	1
Windmills					
Number of holdings reporting.....	15	—	4	—	2
Number of windmills.....	18	—	7	—	2
Waterwheels					
Number of holdings reporting.....	242	—	11	11	38
Number of waterwheels.....	256	—	16	12	42
Electric motors					
Number of holdings reporting.....	121 101	48	3 766	2 744	12 265
Number of motors.....	231 970	142	7 665	4 013	15 439
Tractors (total).....					
44 069	2	523	1 083	2 476	
<i>Wheel tractors.....</i>					
38 979	—	16	79	845	
<i>Less than 20 hp.....</i>					
(7 320)	(—)	(7)	(36)	(414)	
<i>20 hp and less than 30.....</i>					
(19 089)	(—)	(5)	(30)	(257)	
<i>30 hp and less than 40.....</i>					
(9 334)	(—)	(3)	(13)	(130)	
<i>40 hp and over.....</i>					
(3 236)	(—)	(1)	(—)	(44)	
<i>Track-laying tractors</i>					
<i>Number of holdings reporting.....</i>					
895	—	3	4	62	
<i>Total number of tractors.....</i>					
917	—	3	4	64	
<i>Less than 20 hp.....</i>					
(164)	(—)	(—)	(3)	(27)	
<i>20 hp and less than 30.....</i>					
(448)	(—)	(3)	(—)	(26)	
<i>30 hp and over.....</i>					
(305)	(—)	(—)	(1)	(11)	
<i>Garden tractors</i>					
<i>Number of holdings reporting.....</i>					
3 674	2	487	947	1 429	
<i>Number of tractors.....</i>					
(4 001)	(2)	(504)	(1 000)	(1 553)	
<i>Other tractors</i>					
<i>Number of holdings reporting.....</i>					
165	—	—	—	14	
<i>Number of tractors.....</i>					
(172)	(—)	(—)	(—)	(14)	
Other agricultural machinery (number)					
Plows (total).....					
240 617	5	736	3 350	28 383	
<i>Animal-operated.....</i>					
(198 199)	(4)	(622)	(2 996)	(26 999)	
<i>Tractor-operated.....</i>					
(42 418)	(1)	(114)	(354)	(1 384)	
Tine harrows.....					
186 454	1	875	2 923	22 326	
Disk harrows.....					
12 438	—	54	108	1 038	
Weeder harrows, colter harrows and cultivators.....					
72 404	1	234	602	5 595	
Sowing machines (total).....					
69 818	1	527	1 062	5 566	
<i>Hand-operated.....</i>					
(20 349)	(—)	(518)	(1 022)	(4 712)	
<i>Animal-operated.....</i>					
(44 190)	(1)	(8)	(39)	(835)	
<i>Tractor-operated.....</i>					
(5 279)	(—)	(1)	(1)	(19)	
Potato-planting machines.....					
10 387	—	7	14	107	
Hoes (animal-drawn).....					
13 875	1	9	56	673	
Rotary hoes (total).....					
38 105	—	43	87	674	
<i>Animal-operated.....</i>					
(33 824)	(—)	(28)	(58)	(582)	
<i>Tractor-operated.....</i>					
(4 281)	(—)	(15)	(29)	(92)	
Fertilizer distributors.....					
39 100	1	11	10	151	
Stable manure spreaders.....					
2 557	—	—	1	18	
Farmyard manure loaders.....					
1 189	—	—	4	17	

BELGIUM

CULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
						Selected agricultural equipment owned by the holders
						Internal combustion motors
980 1 024	2 144 2 230	2 213 2 314	1 080 1 191	280 351	70 93	Number of holdings reporting Number of motors
						Steam engines
2 2	1 1	1 1	— —	— —	— —	Number of holdings reporting Number of steam engines
						Windmills
— —	2 2	2 2	4 4	1 1	— —	Number of holdings reporting Number of windmills
						Waterwheels
17 17	44 45	77 80	32 32	11 11	1 1	Number of holdings reporting Number of waterwheels
						Electric motors
18 177 23 661	38 590 63 110	31 570 71 990	11 828 37 441	1 815 7 132	298 1 377	Number of holdings reporting Number of motors
						Tractors (total)
2 231 1 677	7 303 6 739	15 386 14 917	10 912 10 666	3 226 3 165	927 875	<i>Wheel tractors</i>
(805) (611) (204) (57)	(2 509) (3 200) (873) (157)	(2 809) (8 623) (2 978) (507)	(601) (5 163) (3 678) (1 224)	(109) (970) (1 177) (909)	(30) (230) (278) (337)	Less than 20 hp 20 hp and less than 30 30 hp and less than 40 40 hp and over
						<i>Track-laying tractors</i>
84 84 (33) (32) (19)	220 220 (58) (125) (37)	305 306 (31) (188) (87)	145 152 (10) (62) (80)	37 44 (—) (9) (35)	35 40 (2) (3) (35)	Number of holdings reporting Total number of tractors Less than 20 hp 20 hp and less than 30 30 hp and over
						<i>Garden tractors</i>
393 (450)	253 (292)	96 (114)	49 (64)	11 (13)	7 (9)	Number of holdings reporting Number of tractors
						<i>Other tractors</i>
20 (20)	49 (52)	48 (49)	29 (30)	3 (4)	2 (3)	Number of holdings reporting Number of tractors
						Other agricultural machinery (number)
						Plows (total)
41 585 (39 881) (1 704)	71 293 (65 447) (5 846)	57 212 (42 142) (15 070)	29 363 (16 491) (12 872)	6 970 (3 016) (3 954)	1 720 (601) (1 119)	Animal-operated Tractor-operated
						Tine harrows
31 934 1 372	57 280 2 708	45 198 3 384	20 799 2 692	4 149 854	969 228	
						Disk harrows
9 954	20 897	21 109	10 774	2 621	617	Weeder harrows, colter harrows and cultivators
						Sowing machines (total)
8 829 (4 784) (3 983) (62)	20 915 (6 044) (14 409) (462)	20 455 (2 688) (16 106) (1 661)	10 202 (508) (7 667) (2 027)	1 884 (58) (1 027) (799)	377 (15) (115) (247)	Hand-operated Animal-operated Tractor-operated
						Potato-planting machines
389 1 484	2 468 4 126	4 419 4 872	2 634 2 312	288 295	61 47	
						Hoes (animal-drawn)
2 040 (1 951) (89)	9 818 (9 496) (322)	14 743 (13 664) (1 079)	8 527 (6 917) (1 610)	1 783 (990) (793)	390 (138) (252)	Rotary hoes (total) Animal-operated Tractor-operated
						Fertilizer distributors
968 38	8 200 267	17 436 941	10 014 926	1 905 306	404 60	Stable manure spreaders
18	47	155	473	366	109	Farmyard manure loaders

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGRI

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Sprayers (total)	50 507	3	2 228	2 625	7 934
Knapsack	(26 679)	(1)	(1 144)	(1 305)	(4 330)
Others	(23 828)	(2)	(1 084)	(1 320)	(3 604)
Dusters (total)	9 779	1	586	523	946
Hand-operated	(8 789)	(1)	(551)	(459)	(820)
Mechanically-operated	(990)	(—)	(35)	(64)	(129)
Rollers	100 678	1	598	1 442	9 443
Transplanters	1 437	—	11	24	140
Regenerators for pastures	8 768	—	3	5	149
Mowers (total)	95 579	1	28	200	4 302
Animal-operated	(80 129)	(1)	(21)	(178)	(4 052)
With auxiliary motor	(966)	(—)	(6)	(7)	(39)
Tractor-operated	(14 484)	(—)	(1)	(15)	(211)
Rakes (animal-operated)	23 292	—	4	22	335
Forage rakes	432	—	—	—	10
Reapers and binders (total)	50 959	—	12	37	836
Engine-operated	(8 204)	(—)	(1)	(—)	(60)
Animal-operated	(42 755)	(—)	(11)	(37)	(776)
Combines (harvester-threshers)	1 805	—	—	2	14
Potato-harvesting machinery	30 249	—	4	28	691
Beet-harvesting machinery	2 570	—	—	2	20
Beet-harvesters and toppers	332	—	—	—	4
Forage harvesters	633	—	1	—	34
Hay tedders and swath turners	48 488	1	7	30	854
Beet toppers	2 094	—	6	3	34
Beet lifters	5 100	—	1	3	74
Flax pullers	2 115	—	5	4	52
Chicory root diggers	1 830	—	—	4	63
 threshers	21 226	—	21	182	1 693
Pick-up balers	1 634	—	—	1	3
Straw-baling presses	1 193	—	—	3	24
Green fodder silage cutters	804	—	—	—	24
Sorters	15 820	1	13	25	181
Grain crushers, crushers and mills	34 788	6	95	234	1 534
Potato mashers	10 185	—	80	328	1 636
Oilcake breakers	794	—	2	3	18
Root cutters	60 760	7	251	1 260	6 967
Chaff cutters	9 502	—	11	44	371
Winnowers	58 004	1	304	1 535	8 833
Beet washers	841	—	7	37	148
Potato steamers for silage	569	—	4	11	47
Livestock feed steamers	38 586	4	298	1 121	5 536

BELGIUM

CULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
8 404 (4 693) (3 711)	14 158 (7 808) (6 350)	9 480 (5 050) (4 430)	4 441 (2 040) (2 401)	997 (261) (736)	237 (47) (190)	Sprayers (total) Knapsack Others
953 (847) (106)	1 858 (1 704) (154)	2 563 (2 401) (162)	1 864 (1 665) (199)	375 (267) (108)	107 (74) (33)	Dusters (total) Hand-operated Mechanically-operated
15 108	30 611	26 847	12 932	2 985	711	Rollers
227	441	370	197	24	3	Transplanters
399	1 933	3 292	2 211	641	135	Regenerators for pastures
14 142 (13 474) (93) (575)	34 211 (31 163) (251) (2 797)	28 976 (22 489) (379) (6 108)	11 468 (7 586) (144) (3 738)	1 916 (1 004) (42) (870)	335 (161) (5) (169)	Mowers (total) Animal-operated With auxiliary motor Tractor-operated
1 212	5 921	9 854	5 014	808	122	Rakes (animal-operated)
14	77	134	139	42	16	Forage rakes
3 344 (159) (3 185)	14 012 (1 045) (12 967)	20 841 (3 213) (17 628)	10 218 (2 879) (7 329)	1 443 (691) (752)	226 (156) (70)	Reapers and binders (total) Engine-operated Animal-operated
31	88	208	668	604	190	Combines (harvester-threshers)
3 319	10 470	10 285	4 778	573	101	Potato-harvesting machinery
130	636	1 042	619	106	15	Beet-harvesting machinery
7	29	113	105	45	29	Beet-harvesters and toppers
77	168	193	95	46	19	Forage harvesters
3 584	14 865	18 839	8 407	1 615	286	Hay tedders and swath turners
84	288	865	670	123	21	Beet toppers
462	1 621	1 927	799	144	69	Beet lifters
38	255	862	816	73	10	Flax pullers
226	711	612	207	7	—	Chicory root diggers
3 348	8 261	5 991	1 552	149	29	Threshers
25	69	273	624	486	153	Pick-up balers
41	123	405	462	112	23	Straw-baling presses
51	158	239	249	70	13	Green fodder silage cutters
807	4 497	6 374	3 470	372	80	Sorters
2 417	7 514	12 593	8 355	1 730	310	Grain crushers, crushers and mills
2 164	3 577	1 795	555	42	8	Potato mashers
23	128	300	245	64	11	Oilcake breakers
8 998	17 862	16 715	7 365	1 164	171	Root cutters
862	2 982	3 693	1 337	168	34	Chaff cutters
10 913	17 600	12 584	5 133	920	181	Winnowers
173	228	171	65	11	1	Beet washers
88	148	170	86	9	6	Potato steamers for silage
7 337	12 835	8 061	3 119	252	23	Livestock feed steamers

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGRI

	All sizes of holdings	Holdings without land	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 3 ha
Crop driers.....	2 327	—	77	77	238
Milking machines.....	31 748	1	1	39	373
Cream separators.....	87 785	14	476	2 453	10 104
Incubators (total).....	1 068	115	166	87	267
Capacity under 500 eggs.....	(279)	(18)	(50)	(21)	(39)
Capacity 500 eggs and over.....	(789)	(97)	(116)	(66)	(228)
Milk coolers.....	3 960	3	3	25	232
Egg sorters.....	248	9	33	17	55
Trailers.....	299 514	8	837	3 296	26 678
Trucks, vans and jeeps.....	9 491	13	485	682	1 605
Elevators.....	5 412	—	3	7	30
7 - IRRIGATION AND DRAINAGE 1959-I					
Land provided with irrigation facilities					
Number of holdings reporting.....	425	—	91	106	125
Area.....	450	—	23	40	65
Land drained through covered drains					
Number of holdings reporting.....	28 407	—	482	944	3 616
Area.....	142 506	—	129	498	3 811
8 - FERTILIZERS AND SOIL DRESSINGS 1959-II					
Application of organic and inorganic fertilizers					
Number of holdings reporting.....	249 029	—	30 541	28 235	52 298
Organic fertilizers					
Farmyard manure					
Amount applied (metric tons).....	8 964	—	250	227	858
Other organic fertilizers					
Amount applied (metric tons).....	57	—	7	6	10
Inorganic fertilizers					
Nitrogenous					
Amount applied (metric tons).....	402 078	—	2 022	5 565	27 124
Phosphate					
Amount applied (metric tons).....	522 966	—	2 109	6 211	30 962
Potash					
Amount applied (metric tons).....	345 792	—	1 021	4 648	20 714
Mixed					
Amount applied (metric tons).....	269 748	—	2 002	3 300	10 250
Other fertilizers					
Blood (dry), horn meal and other animal by-products					
Amount applied (metric tons).....	798	—	67	73	158
Wool waste					
Amount applied (metric tons).....	7 289	—	609	1 143	861
Guano					
Amount applied (metric tons).....	1 675	—	317	204	355
Application of soil dressings					
Lime					
Amount applied (metric tons).....	275 818	—	839	2 429	12 427
Other soil dressings					
Amount applied (metric tons).....	248 494	—	415	679	2 415

BELGIUM

CULTURAL AREA OF HOLDING

Classified by size of holding

3 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 ha and over	
295	567	611	336	70	56	Crop driers
1 333	7 007	13 028	8 145	1 597	224	Milking machines
12 032	26 057	24 303	10 397	1 710	239	Cream separators
124	133	124	26	19	7	Incubators (total)
(20)	(38)	(52)	(21)	(17)	(3)	Capacity under 500 eggs
(104)	(95)	(72)	(5)	(2)	(4)	Capacity 500 eggs and over
451	1 254	1 279	576	111	26	Milk coolers
42	32	47	5	4	4	Egg sorters
40 667	88 667	85 923	42 644	8 821	1 973	Trailers
1 326	2 468	1 997	635	186	94	Trucks, vans and jeeps
115	1 006	2 240	1 408	482	121	Elevators
						7 - IRRIGATION AND DRAINAGE 1959-I
						Land provided with irrigation facilities
24	30	35	11	3	—	Number of holdings reporting
17	54	103	72	76	—	Area
						Land drained through covered drains
4 008	8 250	7 330	3 368	347	62	Number of holdings reporting
7 307	26 432	46 397	44 350	10 429	3 153	Area
						8 - FERTILIZERS AND SOIL DRESSINGS 1959-II
						Application of organic and inorganic fertilizers
36 789	51 733	35 129	12 137	1 865	302	Number of holdings reporting
						Organic fertilizers
943	2 358	2 488	1 361	389	90	Farmyard manure
						Amount applied (metric tons)
6	11	11	5	1	—	Other organic fertilizers
						Amount applied (metric tons)
						Inorganic fertilizers
43 534	109 917	120 178	71 766	17 213	4 759	Nitrogenous
						Amount applied (metric tons)
48 927	131 333	166 169	101 540	29 020	6 695	Phosphate
						Amount applied (metric tons)
32 545	87 008	107 610	65 380	20 071	6 195	Potash
						Amount applied (metric tons)
12 247	33 843	65 944	76 412	47 6 6	18 044	Mixed
						Amount applied (metric tons)
						Other fertilizers
80	79	68	131	128	14	Blood (dry), horn meal and other animal by-products
						Amount applied (metric tons)
190	266	653	1 352	1 714	501	Wool waste
						Amount applied (metric tons)
184	242	152	137	84	—	Guano
						Amount applied (metric tons)
						Application of soil dressings
						Lime
21 774	60 371	84 647	59 139	24 767	9 425	Amount applied (metric tons)
						Other soil dressings
5 118	24 975	56 246	69 748	54 419	34 479	Amount applied (metric tons)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1959 ¹

BELGIUM

	1950	1959		1950	1959
0 - HOLDER, HOLDING AND TENURE 1950-II/1959-I			Potatoes		
Number and agricultural area of holdings, by size ²			Area.	79 149	71 272
All sizes of holdings			Production.	1 863 791	1 357 064
Number.	280 015 ²	269 069	Sugar beet		
Area.	1 726 865	1 660 831	Area.	61 800	63 747
Holdings under 3 ha			Production.	2 639 478	1 474 057
Number.	123 897 ³	128 866	Flax		
Area.	182 389	135 647	Area.	24 181	20 773
Holdings 3 and under 5 ha			Production.	144 844	111 983
Number.	51 772	37 968	Temporary meadows cut for hay		
Area.	202 326	149 088	Area.	33 787	31 353
Holdings 5 and under 10 ha			Clover		
Number.	58 307	52 583	Area.	29 736	28 928
Area.	412 160	374 915	Permanent meadows and pastures		
Holdings 10 and under 20 ha			Area cut for hay.	184 801	189 520
Number.	32 489	35 165	Permanent crops ⁴		
Area.	445 453	487 475	Fruit trees		
Holdings 20 and under 50 ha			Area (total).	46 079	45 349
Number.	11 454	12 305	For sale		
Area.	323 384	347 727	Area.	(40 098)	(36 950)
Holdings 50 and under 100 ha			For home consumption		
Number.	1 785	1 873	Area.	(5 981)	(8 399)
Area.	120 950	126 136	<i>Apples</i>		
Holdings 100 ha and over			Number of trees.	2 405 992	3 407 380
Number.	311	309	<i>Pears</i>		
Area.	40 203	39 843	Number of trees.	1 234 146	1 243 946
Average size of holding.	6.6	6.2	<i>Cherries</i>		
Agricultural area in holdings, by tenure			Number of trees.	602 978	302 112
Owned by the holder or in ownerlike possession.	555 694	536 955	<i>Peaches</i>		
Rented from others.	1 171 170	1 123 876	Number of trees.	163 024	272 066
1 - LAND UTILIZATION 1950-I/1959-I			Gooseberries		
Utilization of land in holdings (area)			Number of plants.	594 361	390 524
Cropland.	1 030 449	913 804	Currants		
Permanent meadows and pastures.	696 416	747 027	Number of plants.	398 610	523 887
Wood or forest land.	27 078	29 761			
All other land.	39 226	76 855			
2 - CROPS - AREA AND PRODUCTION 1950-I/1959-I			3 - LIVESTOCK AND POULTRY 1950-I/1959-I		
Crops on arable land			Horses, mules and asses		
Wheat (total)			Horses		
Area.	167 305	198 215	Number of horses.	239 709	169 745
Production.	526 804	788 791	Cattle		
<i>Winter wheat</i>			Number of cattle.	2 010 813	2 642 957
Area.	(149 959)	(159 794)	Sheep		
Production.	(485 867)	(661 358)	Number of sheep.	66 309	112 162
<i>Spring wheat</i>			Goats		
Area.	(17 346)	(38 421)	Number of goats.	9 096	8 488
Production.	(40 937)	(127 433)	Pigs		
Rye			Number of pigs.	1 197 095	1 426 929
Area.	80 322	61 196			
Production.	216 066	176 028	6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES 1950-II/1959-I		
Barley			Selected agricultural equipment on the holding		
Area.	81 273	108 986	Tractors (total).	9 694	44 069
Production.	253 717	397 979			
Oats					
Area.	172 004	139 739			
Production.	488 491	423 034			

¹ Unless otherwise stated data for 1950 and 1959 exclude occasional producers and units where agricultural products are intended only for home consumption. ² Information for 1950 includes occasional producers operating units of 1 ha. These units are excluded in the 1959 figures. ³ Including 16,386 holdings without agricultural area. ⁴ Information on number of trees for 1950 includes occasional producers.

Date of the census and time reference

A complete census of farm households was conducted from December 1960 to January 1961, and a 10 percent sample census of farm households was carried out from March to April 1961. A survey of public and private large commercial holdings was held from August to September 1961.

In the case of items referring to a particular point of time, such as livestock and poultry, agricultural machinery, farm population, etc., the reference date was 31 December 1960. The time reference for the rest of the information was the period 1 January to 31 December 1960.

Method of collection and processing of census data

The agricultural census was a combination of a complete enumeration and a 10 percent sample of farm households. Public and private commercial holdings were enumerated separately as part of the complete census. Complete enumeration was used for the collection of information on number and area of holdings, tenure, land utilization, area under crops, livestock and poultry and farm population. Sampling methods were used in the case of crop production, sub-classification of livestock, employment in agriculture, agricultural machinery, irrigation and drainage, fertilizers and soil dressings.

In order to obtain a list of farm households prior to the census, a survey of these households was carried out during the autumn of 1960. Its objective was to obtain a complete record of all households in the country with regard to the following items:

1. Name of the head of the family.
2. Address.
3. Occupation.
4. Classification of farm households on a sub-village or *Lin* basis.

5. Identification of farm and nonfarm households according to the established definition of farm household.¹

From this survey, a complete list of farm households was prepared, including those originally registered with township offices and those newly found to be qualified in the survey.

The frame for the sample census was based on the questionnaires obtained from the complete enumeration. These questionnaires were first classified according to the administrative districts in each township and then according to five holder's types, namely:

- (a) full owner;
- (b) part-owner in possession of more than 50 percent of the cultivated land;
- (c) part-owner in possession of less than 50 percent of the cultivated land;
- (d) tenant holder;
- (e) noncultivator.

Holders in each group, except noncultivators, were grouped into seven different classes by size of land under cultivation. The total number of 29 groups of census returns, classified according to the above-mentioned classes, were given a serial number. Finally, a 10 percent sample of the holders was systematically selected.

The enumeration districts for the complete census were demarcated by the crew leaders in co-ordination with the township agricultural census offices. In principle, each enumeration district was to cover about 200 farm households.

The completeness and accuracy of the field work were checked by carrying out a 2½ percent postenumeration survey.

Data were mechanically tabulated after editing and correcting; rechecking was undertaken by statistical officers and officers of the Provincial Committee.

¹ See "Holder, holding and tenure," page 48.

CHINA (TAIWAN)

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

The holder was defined as the person who assumes the responsibility of the farming operations, harvesting, selling, purchasing, etc. Only one person in a household could be the holder and this was not necessarily the head of the family.

Holding

An agricultural holding was defined as a household operating cultivated land for the production of crops or the raising of livestock. The census included only those farm households meeting one of the following criteria:

1. Cultivating an area of 0.02 *chia* (0.0194 ha) or more.
2. Raising three or more pigs.
3. Raising one or more head of cattle (excluding cattle used exclusively for drawing ox-carts).
4. Raising one hundred or more fowls.
5. Selling NT\$4,000 (approximately U.S.\$100) of farm products during 1959.

Respondents having a separate household registration at the local township office but actually living and farming together were considered as one farm household. On the other hand, respondents registered as one household, but actually living and farming separately, were considered as separate farm households.

Agriculture was defined as the cultivation of land for raising crops or livestock. It excluded the production of forest and fishery products. Holdings without cultivated land were defined as those not cultivating any land or operating land less than 0.02 ha, but engaged in raising livestock, poultry, bees or silkworms.

Tenure

Area owned by the holder or in ownerlike possession includes the area for which the family has ownership or acquired ownership under the "Land to the tiller program." Land belonging

to parents, wife, brothers, children and other relatives, but for which the holder has the right of inheritance or uses it without paying any rent, is also included under this category.

Area rented from others includes land rented from individuals or public agencies (including riverbeds, forest land, etc.) with a predetermined amount of rent.

Area operated by squatters includes public land, such as riverbeds, unregistered land, etc., operated by a holder without permission from competent authorities.

Area operated under other forms of tenure includes land in aboriginal areas cultivated by aborigines lacking an ownership title and paying no rent.

1 - LAND UTILIZATION

Land under temporary crops

This includes areas of short-term crops, that is, wheat, rice, soybeans, sugarcane, tobacco, vegetables, etc., either cultivated in paddy land or upland.

Land under permanent crops

This includes areas with long-term crops like tea, bananas, pineapples, citrus trees, etc.

Land under permanent meadows and pastures

This includes areas on which pastures or grasses are planted for breeding livestock.

Wood or forest land

This includes the areas already forested or planted with bamboo.

All other land

This includes areas used for building houses, sheds for livestock, compost houses, gardens, drying ground and farm areas used for fish ponds, jute-immersing ponds, pools, zebra grassland, etc.

For the allocation of areas in the case of mixed or associated crops for land utilization purposes, see "2 - Crops."

CHINA (TAIWAN)

2 - CROPS

In the case of crops planted in the same area with forest trees, the whole area was assigned to the corresponding crops provided the forest trees had not yet grown up.

In the case of two or more crops planted and grown simultaneously on the same land, the area of each crop was calculated according to the proportion of area each crop had occupied. However, the sum of the single crop areas could not exceed the physical whole cultivated area.

If during the growing period of a main crop, another crop was planted in the spaces between the rows of the main crop, the area assigned to the main crop was the physical area occupied by this crop. The area of the remaining crop or crops was converted into single crop areas equivalent, by estimation, on the basis of the amount of seed used or number of trees planted.

3 - LIVESTOCK AND POULTRY

Data included the number of animals kept or raised by the holder at the date of the enumeration. Chickens and ducks less than one month of age were excluded from the census.

5 - FARM POPULATION

Data refer to all members of the holder's household, including those engaged in occupations other

than farming, but excluding long-term hired workers and boarders.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data refer to the number of machines owned by the holder as at 31 December 1960.

7 - IRRIGATION AND DRAINAGE

Data on area irrigated refer to the cultivated land supplied with fixed irrigation facilities such as ditches belonging to irrigation associations, water drawn from rivers, ponds, reservoirs, privately owned pumps, ponds, etc.

8 - FERTILIZERS AND SOIL DRESSINGS

Information refers to the quantity of fertilizers applied during 1960.

* * *

SOURCE: Republic of China. *General report on the 1961 census of agriculture, Taiwan. Individual farm households*. Published by the Committee on Census of Agriculture, Taiwan Provincial Government, May 1963. *Statistical abstract of the 1961 census of agriculture, Taiwan, Republic of China*. Published by Committee on Census of Agriculture, Taiwan Provincial Government, December 1963.

NOTE. All information available from the National Report has been included in the table "Classified by size of holding." A separate table: "Not classified by size of holding" has been omitted, therefore.

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING ¹

CHINA (TAIWAN)

Area: in hectares

Classified by size of holding

	All sizes of holdings	Hold- ings without culti- vated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
0 - HOLDER, HOLDING AND TENURE										
Number and area of hold- ings										
Number.	808 267	31 686	38 994	121 494	129 861	225 596	183 805	50 579	21 150	5 102
Percentage distribution.	100.0	3.9	4.8	15.0	16.1	27.9	22.8	6.3	2.6	0.6
Area.	1 029 503	6 357	7 184	41 739	72 741	217 302	320 991	150 927	97 995	114 267
Percentage distribution.	100.0	0.6	0.7	4.0	7.1	21.1	31.2	14.7	9.5	11.1
Legal status of the holder										
Holdings operated by:										
Civil persons										
Number.	807 600	31 598	38 987	121 450	129 831	225 549	183 751	50 556	21 113	4 765
Area.	951 806	3 068	7 182	41 717	72 712	216 363	320 590	150 078	96 714	43 382
Corporations										
Number.	374	70	4	16	3	6	12	7	10	246
Area.	59 832	2 632	1	6	2	120	246	197	48	56 580
Co-operatives										
Number.	23	—	—	1	—	—	1	—	2	19
Area.	5 476	—	—	—	—	—	23	—	70	5 383
Government										
Number.	245	18	2	24	23	36	37	13	20	72
Area.	11 641	657	1	11	24	804	106	638	478	8 922
Others										
Number.	25	—	1	3	4	5	4	3	5	—
Area.	748	—	—	4	4	15	26	14	685	—
Area in holdings, by tenure										
Owned by the holder or in ownerlike possession.	746 313	2 827	4 944	30 624	52 580	156 041	230 456	107 930	69 194	91 717
Rented from others.	185 180	1 914	1 512	7 627	14 083	40 847	59 141	26 604	17 796	15 656
Operated by squatters	34 725	513	550	2 182	2 773	6 752	9 046	4 397	4 101	4 411
Operated under other forms of tenure.	63 285	1 104	178	1 306	3 304	13 662	22 348	11 996	6 904	2 483

¹ Information on certain items classified by "Total area of holdings," for individual farm households only, is given as follows:

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

	All sizes of holdings	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 and under 10 ha	10 ha and over
0 - HOLDER, HOLDING AND TENURE										
Number of holdings	807 600	52 604	101 839	119 871	218 215	195 183	65 916	36 695	14 123	3 154
Percentage distribution.	100.0	6.5	12.6	14.9	27.0	24.2	8.2	4.5	1.7	0.4
Main occupation of the holder										
Number of holders with:										
Main occupation agri- cultural.	625 561	5 168	42 516	86 823	192 730	184 639	62 963	34 812	13 165	2 745
Main occupation non- agricultural.	182 039	47 436	59 323	33 048	25 485	10 544	2 953	1 883	958	409
Number of holdings, by tenure										
Holdings operated under one form of tenure										
Owned by the holder or in ownerlike possession	500 268	14 629	72 881	82 320	138 977	118 077	39 463	22 368	9 296	2 257
Rented from others.	109 215	7 711	22 299	21 733	29 881	18 547	4 994	2 855	962	233
Holdings operated under more than one form of tenure (total).	166 519	376	5 977	15 596	49 032	58 335	21 373	11 392	3 794	644
More than 50% owned by the holder.	(106 772)	(238)	(3 495)	(9 287)	(29 913)	(38 429)	(14 657)	(7 811)	(2 524)	(418)
Less than 50% owned by the holder.	(59 747)	(138)	(2 482)	(6 309)	(19 119)	(19 906)	(6 716)	(3 581)	(1 270)	(226)

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

CHINA (TAIWAN)

Area: in hectares

Classified by size of holding

	All sizes of holdings	Hold- ings without culti- vated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
1 - LAND UTILIZATION										
Utilization of land in hold- ings										
Arable land										
Number of holdings re- porting.	777 062	481	38 994	121 494	129 861	225 596	183 805	50 579	21 150	5 102
Area.	698 828	4	2 229	23 720	49 091	153 942	232 728	104 466	61 551	71 097
Land under permanent crops										
Area.	92 703	1	248	1 722	3 333	11 966	25 720	17 247	16 301	16 165
Permanent meadows and pastures										
Area.	3 506	810	36	200	74	447	313	376	229	1 021
Wood or forest land										
Area.	173 855	2 071	3 343	11 726	14 929	39 026	47 632	22 877	15 853	16 398
All other land										
Area.	60 611	3 471	1 327	4 370	5 315	11 922	14 598	5 961	4 061	9 586
2 - CROPS - AREA										
Crops on arable land										
Wheat										
Number of holdings re- porting.	34 000	2	202	3 258	6 641	13 410	8 607	1 346	420	114
Area.	12 553	1	17	560	1 636	4 696	4 316	837	345	145
Rice										
Area (total).....	648 723	1	1 311	23 531	54 550	171 649	242 615	93 462	45 125	16 479
Wet rice										
Number of holdings reporting.	559 001	7	9 442	68 834	91 955	175 868	150 684	41 685	16 761	3 765
Area.	(635 561)	(1)	(1 249)	(22 843)	(53 454)	(168 550)	(238 183)	(91 391)	(43 992)	(15 898)
Dry rice										
Number of holdings reporting.	35 257	1	856	4 039	4 653	10 091	10 262	3 541	1 511	303
Area.	(13 162)	(—)	(62)	(688)	(1 096)	(3 099)	(4 432)	(2 071)	(1 133)	(581)
Millet and sorghum										
Area (total).....	5 843	—	14	171	374	1 437	2 160	988	549	150
Millet										
Number of holdings re- porting.	9 199	—	23	325	763	2 779	3 451	1 223	538	97
Area.	(3 649)	(—)	(2)	(45)	(139)	(726)	(1 385)	(776)	(467)	(109)
Sorghum										
Number of holdings re- porting.	9 842	—	435	1 901	1 892	3 244	1 909	320	108	33
Area.	(2 194)	(—)	(12)	(126)	(235)	(711)	(775)	(212)	(82)	(41)
Maize										
Number of holdings re- porting.	25 046	—	272	1 650	2 546	6 648	8 351	3 247	1 799	533
Area.	9 394	—	21	241	462	1 510	3 090	1 831	1 334	905
Barley ²										
Number of holdings re- porting.	1 717	—	32	178	232	479	517	184	79	16
Area.	656	—	3	31	58	150	217	115	59	23
Oats ²										
Number of holdings re- porting.	6 853	—	2	20	123	1 276	3 739	1 296	358	39
Area.	423	—	—	1	5	62	224	94	33	4

² Individual farm households only.

Area: in hectares

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

CHINA (TAIWAN)

Classified by size of holding

	All sizes of holdings	Hold- ings without culti- vated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
Soybeans										
Number of holdings re- porting.	75 545	1	1 068	7 501	10 092	21 499	22 540	7 855	3 826	1 163
Area.	39 224	—	93	1 380	3 284	8 442	13 121	6 452	4 199	2 253
Other leguminous plants for grain										
Number of holdings re- porting.	67 520	2	704	5 579	8 360	19 897	20 978	7 412	3 580	1 008
Area.	24 701	—	57	871	1 800	5 566	8 181	4 139	2 589	1 498
Manioc (cassava)										
Number of holdings re- porting.	24 495	—	315	1 589	2 383	6 135	8 077	3 376	2 021	599
Area.	10 571	—	25	250	502	1 655	3 126	1 893	1 662	1 458
Sweet potatoes										
Number of holdings re- porting.	584 689	61	22 853	75 188	88 142	173 550	156 692	44 993	18 892	4 318
Area.	284 338	1	2 003	14 958	24 943	68 678	95 931	42 242	25 078	10 504
Arrowroot ²										
Number of holdings re- porting.	178	—	7	10	17	33	95	10	5	1
Area.	63	—	—	1	2	4	48	5	2	1
Sugarcane ³										
Number of holdings re- porting.	146 205	—	1 268	11 101	16 507	39 624	47 824	18 251	9 143	2 487
Crop year 1959/60										
Area ⁴	39 540	—	33	489	1 101	3 759	6 859	4 169	2 994	20 136
Crop year 1960/61										
Area ⁵	86 062	—	78	1 282	2 855	10 013	19 452	11 601	8 840	31 941
Crop year 1961/62										
Area ⁶	36 750	—	29	467	1 008	3 535	6 969	4 346	3 336	17 060
Cotton										
Number of holdings re- porting.	8 623	—	86	701	944	2 293	2 699	1 102	691	197
Area.	3 563	—	8	123	238	693	1 148	641	412	300
Flax										
Number of holdings re- porting.	5 466	—	11	295	669	1 778	1 999	543	140	31
Area.	2 392	—	1	50	165	607	989	376	153	51
Jute										
Number of holdings re- porting.	27 596	4	435	2 221	3 281	7 787	8 901	3 159	1 470	338
Area.	7 932	—	33	342	635	1 828	2 767	1 272	780	275
Ramie										
Number of holdings re- porting.	2 580	—	13	70	133	768	1 000	402	153	41
In compact plantations										
Area of plants of productive age.	836	—	1	8	16	104	291	133	55	228
Groundnuts (peanuts)										
Number of holdings re- porting.	163 754	3	3 754	17 173	21 325	46 030	48 605	16 559	8 164	2 141
Area.	74 330	—	257	2 720	5 095	15 216	24 425	12 417	8 588	5 612
Sesame										
Number of holdings re- porting.	30 866	—	481	2 723	3 721	8 415	9 621	3 736	1 787	382
Area.	12 205	—	38	468	875	2 590	4 150	2 176	1 367	541

² Individual farm households only. ³ Sugarcane for sugar only; excludes 2,657 ha of sugarcane for chewing. ⁴ Sugarcane harvested from January to April 1960. ⁵ Sugarcane harvested from November 1960 to April 1961. ⁶ Sugarcane planted from February to Sep-
tember 1960.

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

CHINA (TAIWAN)

Area: in hectares

Classified by size of holding

	All sizes of holdings	Hold- ings without culti- vated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
Rapeseed ²										
Number of holdings re- porting.	6 932	—	16	415	1 054	2 511	2 312	466	134	24
Area.	2 331	—	1	67	227	746	905	257	89	39
Citronella										
Number of holdings re- porting.	13 994	—	104	549	891	2 789	5 032	2 536	1 589	504
In compact plantations										
Area of plants of productive age.	8 830	—	10	93	201	885	2 529	1 990	1 820	1 302
Number of scattered plants.	95 932	—	318	1 079	8 767	18 486	25 340	7 172	18 328	16 442
Mint										
Number of holdings re- porting.	6 157	1	37	408	670	1 566	1 957	871	483	164
Area.	3 045	—	3	79	194	564	914	536	444	311
Tobacco										
Number of holdings re- porting.	10 761	—	31	557	1 234	3 578	3 868	952	434	107
Area.	6 422	—	3	115	382	1 692	2 707	886	471	166
Vegetables										
Number of holdings re- porting.	349 605	481	14 147	37 139	51 032	108 651	98 301	26 710	10 755	2 389
Area.	57 872	3	1 109	3 824	5 956	16 261	19 539	6 702	3 190	1 288
Green manure crops										
Number of holdings re- porting.	142 525	2	1 306	11 266	18 398	43 456	44 613	14 825	6 783	1 876
Area.	82 638	—	115	2 011	4 918	17 001	25 738	11 702	6 964	14 189
Other crops on arable land ²										
Area.	3 508	—	101	265	293	656	1 072	537	400	184
Permanent crops										
Citrus trees										
Number of holdings re- porting.	49 129	190	1 202	3 745	4 971	12 620	15 202	6 367	3 701	1 131
In compact plantations										
Area (total).	10 183	—	44	310	547	1 784	3 129	1 896	1 521	952
Number of trees (total)	6 969 370	30	26 110	229 004	409 820	1 201 981	2 247 627	1 252 553	887 423	714 822
Of productive age										
Area.	(5 229)	(—)	(22)	(139)	(264)	(878)	(1 634)	(1 003)	(806)	(483)
Number.	(3 445 274)	(—)	(13 923)	(94 382)	(178 930)	(590 385)	(1 154 853)	(704 741)	(402 434)	(305 626)
Of nonproductive age										
Area.	(4 954)	(—)	(22)	(171)	(283)	(906)	(1 495)	(893)	(715)	(469)
Number.	(3 524 096)	(30)	(12 187)	(134 622)	(230 890)	(611 596)	(1 092 774)	(547 812)	(484 989)	(409 196)
Number of scattered trees	231 328	1 121	2 973	12 633	17 740	54 137	73 547	35 104	23 739	10 334
Bananas										
Number of holdings re- porting.	52 229	247	1 841	4 729	5 917	13 889	15 689	5 800	3 253	864
In compact plantations										
Area (total).	13 158	—	54	264	493	1 899	3 901	2 498	2 715	1 334
Number of trees (total)	15 513 779	163	72 789	367 150	677 114	2 381 002	4 657 624	2 824 226	3 005 678	1 528 033
Of productive age										
Area.	(7 906)	(—)	(29)	(130)	(244)	(1 072)	(2 314)	(1 606)	(1 656)	(855)
Number.	(8 868 910)	(10)	(35 840)	(163 656)	(307 843)	(1 243 957)	(2 672 329)	(1 741 604)	(1 801 110)	(902 561)
Of nonproductive age										
Area.	(5 252)	(—)	(25)	(134)	(249)	(827)	(1 587)	(892)	(1 059)	(479)
Number.	(6 644 869)	(153)	(36 949)	(203 494)	(369 271)	(1 137 045)	(1 985 295)	(1 082 622)	(1 204 568)	(625 472)
Number of scattered trees	444 691	2 771	11 374	36 596	46 157	107 166	137 884	54 360	33 683	14 700

² Individual farm households only.

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

CHINA (TAIWAN)

Area: in hectares *Classified by size of holding*

	All sizes of holdings	Holdings without cultivated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
Pineapples										
Number of holdings reporting.....	20 326	7	326	1 559	2 298	5 793	6 191	2 330	1 392	430
In compact plantations										
Area (total).....	8 813	—	18	205	414	1 402	2 408	1 340	1 070	1956
Number of plants (total).....	234 159 006	—	429 835	4 601 343	9 389 218	32 487 924	58 677 624	34 719 013	28 110 007	65 744 042
Of productive age										
Area.....	(5 815)	(—)	(10)	(140)	(276)	(950)	(1 582)	(890)	(694)	(1 273)
Number.....	(149 338 382)	(—)	(226 695)	(3 015 779)	(6 070 350)	(21 438 357)	(37 697 236)	(22 347 273)	(16 920 120)	(41 622 572)
Of nonproductive age										
Area.....	(2 998)	(—)	(8)	(65)	(138)	(452)	(826)	(450)	(376)	(683)
Number.....	(84 820 624)	(—)	(203 140)	(1 585 564)	(3 318 868)	(11 049 567)	(20 980 388)	(12 371 740)	(11 189 887)	(24 121 470)
Number of scattered plants.....	349 133	257	5 685	13 090	25 450	91 076	108 875	42 764	50 083	11 853
Other fruit trees										
Number of holdings reporting.....	93 644	617	2 812	9 237	11 253	24 996	27 673	10 228	5 342	1 486
In compact plantations										
Area (total).....	11 355	—	52	355	592	1 825	3 257	1 996	1 853	1 425
Trees of productive age.....	(6 298)	(—)	(33)	(238)	(369)	(1 066)	(1 851)	(1 061)	(983)	(697)
Trees of nonproductive age.....	(5 057)	(—)	(19)	(117)	(223)	(759)	(1 406)	(935)	(870)	(728)
Number of scattered trees	1 294 789	6 365	20 216	86 332	116 445	313 833	415 804	185 379	101 963	48 452
Coffee ²										
Number of holdings reporting.....	14	—	1	2	2	5	2	2	—	—
In compact plantations										
Number of trees of productive age.....	757	—	—	—	80	160	517	—	—	—
Number of scattered trees	557	—	—	4	9	24	510	10	—	—
Tea										
Number of holdings reporting.....	36 568	1	329	1 567	2 757	8 141	13 158	6 074	3 561	980
In compact plantations										
Area (total).....	31 029	—	27	261	734	3 146	8 529	6 399	6 171	5 762
Number of trees (total).....	204 094 186	—	189 508	1 660 530	4 918 880	20 859 965	56 081 732	41 980 770	40 598 981	37 803 820
Of productive age										
Area.....	(29 350)	(—)	(26)	(243)	(693)	(2 964)	(8 043)	(6 061)	(5 833)	(5 487)
Number.....	(11 241 220)	(—)	(5 730)	(112 633)	(256 341)	(1 110 561)	(3 289 233)	(2 284 275)	(2 262 201)	(1 920 246)
Number of scattered trees	972 411	20	1 182	5 386	17 806	81 170	255 896	229 554	177 610	203 787
Sisal										
Number of holdings reporting.....	3 006	2	19	143	202	607	964	476	370	223
In compact plantations										
Area (total).....	4 274	—	1	30	66	232	598	500	668	2 179
Number of plants (total).....	25 611 471	30	9 860	203 702	408 590	1 453 634	3 572 301	3 003 055	3 850 275	13 110 024
Of productive age										
Area.....	(4 226)	(—)	(1)	(30)	(65)	(231)	(591)	(494)	(655)	(2 159)
Number.....	(25 303 001)	(30)	(9 860)	(212 302)	(401 390)	(1 450 694)	(3 527 411)	(2 966 215)	(3 769 073)	(12 976 024)
Of nonproductive age										
Area.....	(48)	(—)	(—)	(—)	(1)	(1)	(7)	(6)	(13)	(20)
Number.....	(308 470)	(—)	(—)	(1 400)	(7 200)	(2 940)	(44 890)	(36 840)	(81 200)	(134 000)
Number of scattered plants.....	26 637	30	—	1	—	151	1 125	19 712	5 418	200
Bamboo shoots										
Number of holdings reporting.....	10 236	21	439	1 155	1 296	2 840	2 873	1 015	476	121
In compact plantations										
Area (total).....	1 932	—	18	109	158	424	598	292	254	79
Trees of productive age.....	(1 876)	(—)	(18)	(109)	(157)	(423)	(585)	(276)	(233)	(75)
Trees of nonproductive age.....	(56)	(—)	(—)	(—)	(1)	(1)	(13)	(16)	(21)	(4)
Number of scattered trees	38 271	130	978	2 278	4 228	9 339	12 765	5 445	2 557	551

² Individual farm households only.

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

CHINA (TAIWAN)

Area: in hectares

Classified by size of holding

	All sizes of holdings	Hold- ings without culti- vated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
Betel ²										
Number of holdings re- porting.	1 268	—	159	294	253	363	156	30	12	1
In compact plantations										
Trees of productive age										
Area.	178	—	8	28	35	62	34	9	2	—
Number.	1 030 150	—	39 468	152 756	218 135	383 464	173 872	51 960	10 495	—
Number of scattered trees	7 362	—	1 880	728	638	2 676	1 430	10	—	—
Rice paper plant ²										
Number of holdings re- porting.	256	—	—	4	10	50	89	60	42	1
In compact plantations										
Plants of productive age										
Area.	70	—	—	—	1	8	22	22	14	3
Number.	224 685	—	—	1 515	2 200	29 000	76 990	71 140	31 840	12 000
Number of scattered plants.	922	—	—	10	—	—	12	900	—	—
Other permanent crops ²										
In compact plantations										
Area of trees of pro- ductive age.	1 082	—	14	51	65	169	396	165	137	85
Number of scattered trees	16 136	6	213	1 556	4 023	2 586	4 142	2 010	400	1 200
3 - LIVESTOCK AND POUL- TRY										
Cattle										
Number of holdings re- porting.	288 220	1 778	1 555	10 999	22 047	78 949	114 124	38 449	16 491	3 828
Total number of cattle ...	357 872	5 717	1 935	13 219	25 962	92 358	136 163	48 891	23 762	9 865
Male.	(183 681)	(1 430)	(856)	(5 202)	(11 090)	(41 824)	(72 558)	(29 160)	(15 103)	(6 458)
Female.	(174 191)	(4 287)	(1 079)	(8 017)	(14 872)	(50 534)	(63 605)	(19 731)	(8 659)	(3 407)
Cattle under 2 years of age.	46 264	1 926	513	2 833	4 689	12 781	14 760	5 001	2 463	1 298
Male.	(19 841)	(396)	(188)	(1 068)	(1 800)	(5 576)	(6 584)	(2 343)	(1 181)	(705)
Female.	(26 423)	(1 530)	(325)	(1 765)	(2 889)	(7 205)	(8 176)	(2 658)	(1 282)	(593)
Calves under 1 year of age.	18 624	885	205	1 235	1 890	5 079	5 897	1 837	1 013	583
Male.	(6 840)	(137)	(68)	(418)	(693)	(1 935)	(2 125)	(806)	(377)	(281)
Female.	(11 784)	(748)	(137)	(817)	(1 197)	(3 144)	(3 772)	(1 031)	(636)	(302)
Young stock 1 year of age and under 2 years	27 640	1 041	308	1 598	2 799	7 702	8 863	3 164	1 450	715
Male.	(13 001)	(259)	(120)	(650)	(1 107)	(3 641)	(4 459)	(1 537)	(804)	(424)
Female.	(14 639)	(782)	(188)	(948)	(1 692)	(4 061)	(4 404)	(1 627)	(646)	(291)
Cattle 2 years of age and over.	311 608	3 791	1 422	10 386	21 273	79 577	121 403	43 890	21 299	8 567
Male.	(163 840)	(1 034)	(668)	(4 134)	(9 290)	(36 248)	(65 974)	(26 817)	(13 922)	(5 753)
Female.	(147 768)	(2 757)	(754)	(6 252)	(11 983)	(43 329)	(55 429)	(17 073)	(7 377)	(2 814)
Buffaloes										
Number of holdings re- porting.	254 998	990	480	7 310	17 972	70 633	105 558	34 699	14 189	3 167
Total number of buffaloes	299 351	2 011	600	8 560	19 992	78 048	121 390	42 814	19 280	6 656
Male.	(155 338)	(893)	(290)	(3 440)	(8 411)	(35 672)	(64 564)	(25 495)	(12 122)	(4 451)
Female.	(144 013)	(1 118)	(310)	(5 120)	(11 581)	(42 376)	(56 826)	(17 319)	(7 158)	(2 205)
Buffaloes under 2 years of age.	34 270	571	160	1 670	3 310	10 005	12 060	3 923	1 776	795
Male.	(15 602)	(269)	(100)	(710)	(1 330)	(4 590)	(5 440)	(1 872)	(834)	(457)
Female.	(18 668)	(302)	(60)	(960)	(1 980)	(5 415)	(6 620)	(2 051)	(942)	(338)
Calves under 1 year of age.	13 262	190	50	710	1 220	4 005	4 690	1 350	735	312
Male.	(5 211)	(82)	(40)	(290)	(470)	(1 600)	(1 680)	(620)	(273)	(156)
Female.	(8 051)	(108)	(10)	(420)	(750)	(2 405)	(3 010)	(730)	(462)	(156)
Young stock 1 year of age and under 2 years	21 008	381	110	960	2 090	6 000	7 370	2 573	1 041	483
Male.	(10 391)	(187)	(60)	(420)	(860)	(2 990)	(3 760)	(1 252)	(561)	(301)
Female.	(10 617)	(194)	(50)	(540)	(1 230)	(3 010)	(3 610)	(1 321)	(480)	(182)
Buffaloes 2 years of age and over.	265 081	1 440	440	6 890	16 682	68 043	109 330	38 891	17 504	5 861
Male.	(139 736)	(624)	(190)	(2 730)	(7 081)	(31 082)	(59 124)	(23 623)	(11 288)	(3 994)
Female.	(125 345)	(816)	(250)	(4 160)	(9 601)	(36 961)	(50 206)	(15 268)	(6 216)	(1 867)

² Individual farm households only.

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

CHINA (TAIWAN)

Area: in hectares *Classified by size of holding*

	All sizes of holdings	Holdings without cultivated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
Buffaloes (cont.)										
Classified by use or purpose										
Number of buffalo cows	135 962	1 010	300	4 700	10 831	39 971	53 816	16 589	6 696	2 049
Number of heifers in calf	8 051	108	10	420	750	2 405	3 010	730	462	156
All other buffaloes	155 338	893	290	3 440	8 411	35 672	64 564	25 495	12 122	4 451
Used primarily as draft animals	(150 127)	(811)	(250)	(3 150)	(7 941)	(34 072)	(62 884)	(24 875)	(11 849)	(4 295)
Others	(5 211)	(82)	(40)	(290)	(470)	(1 600)	(1 680)	(620)	(273)	(156)
Goats										
Number of holdings reporting	21 831	470	501	2 315	2 813	5 558	6 197	2 374	1 210	393
Number of goats	55 007	5 195	1 365	5 096	5 558	12 083	13 555	5 693	3 588	2 874
Pigs										
Number of holdings reporting	649 242	29 133	23 558	79 189	95 672	186 157	164 457	46 893	19 726	4 457
Total number of pigs	2 523 159	157 835	65 085	227 347	292 724	638 852	698 311	253 057	137 508	52 440
Pigs under 6 months of age	1 301 278	67 859	32 487	114 011	150 284	332 111	362 802	137 302	75 121	29 301
Pigs 6 months of age and over	1 221 881	89 976	32 598	113 336	142 440	306 741	335 509	115 755	62 387	23 139
Sows and gilts for breeding	(14 199)	(1 405)	(232)	(812)	(1 353)	(2 415)	(2 564)	(997)	(3 159)	(1 262)
All other pigs	(1 207 682)	(88 571)	(32 366)	(112 524)	(141 087)	(304 326)	(332 945)	(114 758)	(59 228)	(21 877)
Poultry ²										
Chickens										
Number of holdings reporting	660 285	18 002	26 982	89 695	102 434	189 942	163 301	46 056	19 470	4 403
Number of chickens	5 041 375	187 261	153 514	521 452	630 509	1 342 269	1 410 670	478 796	241 440	75 464
Ducks										
Number of holdings reporting	400 193	11 888	14 935	49 413	59 197	114 984	104 007	29 997	12 785	2 987
Number of ducks	2 497 324	177 938	75 283	235 418	295 041	644 614	695 149	231 813	113 231	28 837
5 - FARM POPULATION										
Holders and members of the holder's household										
All persons	5 879 539	214 239	238 406	732 307	827 928	1 583 227	1 494 113	482 659	230 567	76 093
Male	(2 995 268)	(109 172)	(121 923)	(372 283)	(420 328)	(803 814)	(760 305)	(245 341)	(117 564)	(44 538)
Female	(2 884 271)	(105 067)	(116 483)	(360 024)	(407 600)	(779 413)	(733 808)	(237 318)	(113 003)	(31 555)
Farm population by main occupation ⁷										
Agricultural	2 285 251	50 683	75 605	269 052	317 098	626 489	612 269	200 473	95 146	38 436
Nonagricultural	174 857	33 196	19 495	30 210	23 445	32 275	24 373	7 150	3 498	1 215
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES										
Use and source of power on the holding										
Number of holdings reporting the use of:										
Mechanical power	2 830	—	10	291	350	971	880	262	45	21
Animal power owned	309 048	1	751	11 722	25 413	87 901	122 972	40 010	16 611	3 667
Animal power not owned	376 939	81	12 560	98 908	90 763	119 680	47 184	6 033	1 458	272
Animal- and mechanical power	13 810	3	50	730	1 630	3 742	4 032	1 732	1 167	724
Human power only	103 930	30 143	14 556	17 423	9 444	14 623	11 646	3 856	1 796	443

² Individual farm households only. ⁷ Excluding old or disabled persons, children, students and those in military service, unable to participate in farming.

SIZE CLASSIFICATION BY CULTIVATED
AREA OF HOLDING

CHINA (TAIWAN)

Area: in hectares

Classified by size of holding

	All sizes of holdings	Hold- ings without culti- vated land	Under 0.1 ha	0.1 and under 0.3 ha	0.3 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 ha and over
Selected agricultural equipment owned by the holder (number)										
Stationary power-produc- ing machinery	5 211	66	50	140	90	632	1 442	1 134	840	817
Tractors	521	3	—	—	—	—	4	1	2	511
Tillage, planting and culti- vating equipment	4 620 329	3 885	12 950	209 524	443 807	1 366 620	1 702 989	558 100	247 390	75 064
Harvesting and threshing equipment	462 797	366	490	12 514	31 688	122 636	182 923	69 535	32 564	10 081
7 - IRRIGATION AND DRAINAGE										
Area of land actually ir- rigated (total)	492 627	...	...	...	...	...	...	...	...	...
Area irrigated by source of water										
From the holding itself	(56 638)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
From outside the holding	(435 989)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
Area irrigated by method of irrigation										
Gravity flow	(453 211)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
Pumping from ground water	(26 149)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
Other means	(13 267)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
8 - FERTILIZERS AND SOIL DRESSINGS										
Application of organic and inorganic fertilizers										
Organic fertilizers										
Farmyard manure										
Number of holdings reporting	366 213	57	11 084	56 963	58 696	110 106	91 650	25 056	9 990	2 611
Amount applied (me- tric tons)	5 445 816	5 061	61 198	342 126	509 379	1 385 963	1 870 327	631 620	313 357	326 785
Green manure										
Number of holdings reporting	140 969	—	560	11 040	18 410	42 743	44 896	14 581	6 774	1 965
Area treated	83 453	—	37	1 916	4 934	17 029	26 809	11 537	6 957	14 234
Inorganic fertilizers										
Number of holdings re- porting	668 755	82	12 331	99 873	110 722	201 753	170 905	48 926	19 365	4 798
Total amount applied (metric tons)	692 477	118	1 140	24 444	52 870	166 262	239 544	99 000	52 885	56 214
Nitrogenous										
Amount applied (metric tons)	(414 454)	(69)	(710)	(15 133)	(32 156)	(99 625)	(141 156)	(59 018)	(31 767)	(34 820)
Phosphate										
Amount applied (metric tons)	(155 957)	(42)	(170)	(5 751)	(12 733)	(39 605)	(55 833)	(22 628)	(11 435)	(7 760)
Potash										
Amount applied (metric tons)	(59 030)	(7)	(50)	(1 810)	(4 171)	(13 452)	(19 955)	(8 364)	(4 775)	(6 446)
Others										
Amount applied (metric tons)	(63 036)	(—)	(210)	(1 750)	(3 810)	(13 580)	(22 600)	(8 990)	(4 908)	(7 188)
Application of soil dress- ings										
Lime										
Number of holdings re- porting	1 160	2	—	30	60	250	421	150	132	115
Area treated	1 850	23	—	5	14	67	190	74	116	1 361

Date of the census and time reference

Enumeration started in June 1959 and continued up to July 1961. Most of the provinces, however, were enumerated during 1960.

Data regarding number and area of holdings, land tenure, land utilization, livestock and poultry and agricultural machinery owned by the holders, refer to the date of the enumeration. Figures on crops and fertilizers, use of power and agricultural machinery, and irrigation refer to the calendar year 1959.

Method of collection and processing of census data

Two questionnaires were used for the agricultural census. One for a complete enumeration of all holdings and the other for a sample survey carried out along with the complete enumeration. The sample survey was undertaken to serve two main purposes: checking the field work and broadening the scope of the census.

Processing of questionnaires was carried out through the punch card method.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

A holder is the civil or juridical person who has the economic and technical initiative and the main responsibility for the operation of the holding. The holder may operate the holding directly or through a hired manager. He assumes the risk of the operation of the holding as owner, tenant, sharecropper, squatter, etc.

Legal status of the holder includes civil persons not only as individuals but also as a group of persons sharing the technical and economic initiative for the operation of a holding without any legal or juridical contract.

Government holdings are considered those operated by a national, provincial or municipal authority or on behalf of these authorities.

The group *Others* refers to other legal status forms not included in the previous categories. It includes also holdings operated by a juridical person, i.e., on behalf of a group of persons of separate juridical status, or bodies constituted as such according to applicable legislation or when persons, not necessarily related, join voluntarily or by mandate of the governing authority to exercise common rights over the land.

Hired manager. A hired manager is defined as the person who, on behalf of the holder, can make routine decisions in the management of the holding.

Holding

A holding was defined as all land used wholly or partly for agricultural production, operated by a holder without regard to title, size or location. The holding may be constituted by one or more parcels, provided they are located in the same municipality and that as a whole they form part of the same technical unit. Establishments and other units not including any agricultural land but producing livestock and livestock products, including freely grazing livestock, were considered as holdings, whether they were located in rural or urban areas. Establishments devoted exclusively to forestry and fishery production were excluded from the census. Agricultural production was defined as the cultivation of any

COLOMBIA

crop, both in the open and under glass, field crops, fruit, seeds, tree nurseries (except those of forest trees), flowers, the forest production in land forming part of the holding, and the production of livestock and livestock products.

In the case of large farm units, the parts of these large units were considered as separate holdings if a specific area was assigned to various operators or if a specific group of livestock or poultry was assigned to the operators provided the person responsible for the operation of the land received a share in the fruits or products.

The establishments under the same general direction, but managed by different persons, were considered as separate holdings.

Parcel. A parcel was defined as all land entirely surrounded by land of other holdings or by land not forming part of any holding.

Tenure

Holdings owned by the holder or in ownerlike possession include those holdings where the holder has a legal title of ownership, or operates the land in ownerlike possession lacking a legal title. The last category includes: land under perpetual lease, hereditary tenure, land under long-term leases usually ranging from 30 to 99 years, the rent of which is sometimes only nominal; land operated peacefully and uninterruptedly for a period of over 30 years without payment of rent, without a legal title of ownership or a long-term lease; the tenure system under which a villager receives a plot, rent free, from *ejidal* or other communal land and retains it as long as he keeps it under cultivation by his own labor and that of his family and under which he cannot sell or mortgage his holding.

Holdings rented from others include not only holdings for whose usufruct the holders pay rent in cash or kind, by various forms of arrangements, but also holdings operated gratuitously with the express consent of the owner.

Holdings rented for a fixed amount of money, a fixed amount of produce, or both include holdings leased to the holder, usually for a short period of time, in exchange for a specified amount

of money, or a specified amount of produce, or both. The administration and management of the land in general are the responsibility of the holder.

Holdings rented for a share of the produce include all holdings consisting of land for the use of which the holder delivers to the landlord a share of the produce or its equivalent in money. The technical responsibility in the management of the holding may be exclusive to the holder or may be shared to a limited degree (but without endangering the holder's independence) with the landlord if the latter contributes tools, fertilizers, or other aids.

Holdings rented in exchange for services include holdings where the usufruct is granted to the holder instead of wages. Two cases are most common:

- (a) that in which estate laborers receive a small piece of land from the landlord in return for which they must work, unpaid, for a certain number of days per week, and
- (b) that in which the holder is granted a piece of land in part payment for services to the Government, to the Church, or to others.

Holdings under other forms of renting include those which have been granted rent free, under special arrangement, to the holders for their exclusive use and usufruct.

Holdings operated by squatters refer to holdings operated by holders lacking title of ownership and for the use of which they do not pay rent, notwithstanding the fact that they retain the total usufruct. Land occupied by these holders may be either private or public property and occupancy occurs without consent of the owner even though it may sometimes be tolerated by him, especially in the case of public domain.

Holdings operated under other single forms of tenure refer to holdings operated under forms of tenure not included in the previous categories (land under trusteeship, under inheritance proceedings, etc.).

COLOMBIA

1 - LAND UTILIZATION

Arable land

This includes land under temporary crops and fallow land.

Land under temporary crops includes:

- (a) land used for crops whose growing cycle is under one year and sometimes only a few months, and which must be newly sown or planted after the harvest of each crop;
- (b) land temporarily (i.e., for less than five years) cultivated with forage crops for mowing or pasture;
- (c) land used as market or kitchen gardens.

Crops remaining in the field for more than one year were also considered as temporary crops if the harvesting destroyed the plant.

Fallow land includes the land resting for a period of time before it is planted again. It includes also all areas of rotation land not put to any of the uses mentioned above during the date of the enumeration, e.g., arable land damaged by floods, land prepared for cultivation but not sown on account of unforeseen circumstances, crop failure, etc.

Land under permanent crops

This includes land cultivated with crops in which the time between the planting and the harvesting takes generally some years, and the plant does not disappear after the first harvest and continues to give fruit for several years.

Land under permanent meadows and pastures

This refers to land devoted to herbaceous forage crops, either seeded and cared for or existing naturally (wild prairie or grazing land), including permanent meadows and pastures on which trees and shrubs were grown if the growing of forage crops thereon is the most important use of the area.

Wood or forest land

This includes all wood lots or tracts of timber, natural or planted, which constitute part of the

holding and which have, or will have, value as wood, timber, or forest products.

All other land

This includes the area of uncultivated land which comprises part of the holding not included under the preceding headings but which is either producing some kind of utilizable vegetable product, such as reeds and rushes for matting and bedding for livestock, wild berries, plant and fruit, or land which could be brought into crop production through relatively small expenditure of effort in addition to that required in common cultivation practices. This category includes also the land which constitutes part of the holding but which is occupied by buildings, parks and ornamental gardens, roads or lanes, wasteland, land under water, and any other land not reported under the previous categories.

2 - CROPS

Data on temporary crops refer to the area harvested during 1959. For permanent crops the area occupied in 1959 was recorded, whether or not it had been harvested.

For successive crops harvested during 1959 the sum of each of the successively harvested areas was reported. In the case of mixed or associated crops, the area for each crop was considered to be that which each crop would have covered had it been grown alone.

3 - LIVESTOCK AND POULTRY

Data refer to the total number of livestock and poultry found on the holding on the enumeration day whether or not belonging to the holder, plus any animals owned by the holder that on the enumeration day were away from the holding, but on land not forming part of another agricultural holding, or in transit or on common pastures.

5 - FARM POPULATION

Data refer to the number of people usually living on the agricultural holding.

COLOMBIA

7 - IRRIGATION AND DRAINAGE

* * *

Figures refer to the area actually irrigated. Area irrigated was defined as the area of the holding provided with artificial irrigation for the purpose of agricultural production.

SOURCE: Colombia. Departamento Administrativo Nacional de Estadística. *Directorio nacional de explotaciones agropecuarias (censo agropecuario) 1960, Resumen nacional* (Segunda Parte), Bogotá D.E., febrero de 1964.

NOTE. All information available from the National Report has been included in the table "Classified by size of holding." A separate table: "Not classified by size of holding," has been omitted, therefore.

Area : in hectares
Production : in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION B

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
0 - HOLDER, HOLDING AND TENURE								
Number and area of holdings								
Number	1 209 672	165 652	132 419	191 347	117 005	92 001	58 181	169 145
Percentage distribution	100.0	13.7	10.9	15.8	9.7	7.6	4.8	14.0
Area	27 337 827	38 344	93 649	270 308	275 656	309 165	251 854	1 164 749
Percentage distribution	100.0	0.1	0.3	1.0	1.0	1.1	0.9	4.2
Mode of operation of holdings								
Operated by the holder								
Number	1 167 202	165 108	131 583	189 781	115 976	90 609	57 442	164 204
Area	17 892 714	38 192	93 023	267 869	273 087	304 295	248 540	1 129 083
Operated through a hired manager								
Number	42 470	544	836	1 566	1 029	1 392	739	4 941
Area	9 445 113	152	626	2 439	2 569	4 870	3 314	35 666
Fragmentation								
Number of parcels in the holdings reporting	1 687 285	173 699	154 739	248 737	168 354	136 351	92 792	272 067
Average number of parcels per holding	1.4	1.0	1.2	1.3	1.4	1.5	1.6	1.6
Legal status of the holder								
Holdings operated by:								
Civil persons								
Number	1 206 476	165 512	132 308	191 175	116 918	91 908	58 119	168 874
Area	25 915 078	38 307	93 569	270 059	275 445	308 850	251 584	1 162 762
Government								
Number	495	53	42	51	19	22	13	71
Area	78 923	14	29	73	45	73	56	527
Others								
Number	2 701	87	69	121	68	71	49	200
Area	1 343 826	23	51	176	166	242	214	1 460
Number and area of holdings, by tenure								
Holdings operated under one form of tenure								
Owned by the holder or in owner-like possession								
Number	755 318	110 452	77 425	106 154	63 500	54 315	34 293	108 442
Area	19 779 585	25 114	55 737	154 816	153 029	185 007	149 455	752 590
Rented from others (total)								
Number	282 347	46 519	42 106	59 000	33 815	22 929	13 751	32 682
Area	2 009 274	10 754	28 610	79 052	76 939	76 060	59 325	226 928
For a fixed amount of money								
Number	(43 018)	(13 112)	(5 772)	(7 225)	(3 473)	(2 709)	(1 335)	(3 782)
Area	(519 630)	(2 427)	(3 956)	(9 927)	(8 055)	(8 918)	(5 721)	(24 749)
For a fixed amount of produce								
Number	(8 006)	(552)	(1 196)	(1 956)	(1 173)	(783)	(448)	(984)
Area	(56 390)	(173)	(843)	(2 657)	(2 648)	(2 545)	(1 887)	(6 549)
For a fixed amount of money and produce								
Number	(1 728)	(148)	(200)	(316)	(205)	(191)	(112)	(271)
Area	(22 503)	(42)	(141)	(451)	(476)	(632)	(496)	(1 832)
For a share of the produce								
Number	(145 056)	(11 797)	(21 071)	(29 889)	(18 869)	(13 651)	(8 691)	(21 656)
Area	(960 557)	(3 532)	(14 630)	(41 377)	(43 738)	(46 306)	(38 045)	(155 821)
In exchange for services								
Number	(23 221)	(6 131)	(3 964)	(5 069)	(2 653)	(1 688)	(896)	(1 702)
Area	(71 380)	(1 308)	(2 656)	(6 639)	(5 872)	(5 336)	(3 737)	(10 785)

COLOMBIA

Classified by size of holding

TOTAL AREA OF HOLDING

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over	
0 - HOLDER, HOLDING AND TENURE								
Number and area of holdings								
114 231 9.5	86 789 7.2	39 990 3.3	22 317 1.9	13 693 1.1	4 141 0.3	1 975 0.2	786 —	Number
1 572 076 5.8	2 638 701 9.7	2 680 471 9.8	2 996 152 11.0	3 994 319 14.6	2 730 764 10.0	2 808 210 10.3	5 513 409 20.2	Percentage distribution
Area								
Mode of operation of holdings								
Operated by the holder								
108 769 1 493 553	79 652 2 408 801	34 147 2 274 923	17 387 2 308 229	9 210 2 618 450	2 193 1 425 985	851 1 211 286	290 1 797 398	Number
								Area
Operated through a hired manager								
5 462 78 523	7 137 229 900	5 843 405 548	4 930 687 923	4 483 1 375 869	1 948 1 304 779	1 124 1 596 924	496 3 716 011	Number
								Area
Fragmentation								
187 097	135 383	57 516	31 431	19 136	5 969	2 857	1 157	Number of parcels in the holdings reporting
1.6	1.6	1.4	1.4	1.4	1.4	1.4	1.5	Average number of parcels per holding
Legal status of the holder								
Holdings operated by:								
Civil persons								
113 927 1 567 675	86 439 2 627 221	39 653 2 656 885	21 999 2 950 548	13 291 3 870 011	3 900 2 559 325	1 783 2 524 982	670 4 757 855	Number
								Area
Government								
59 839	55 1 755	34 2 312	19 2 575	28 8 246	12 8 016	13 18 219	4 36 144	Number
								Area
Others								
245 3 562	295 9 725	303 21 274	299 43 029	374 116 062	229 163 423	179 265 009	112 719 410	Number
								Area
Number and area of holdings, by tenure								
Holdings operated under one form of tenure								
Owned by the holder or in owner-like possession								
77 819 1 077 072	61 999 1 895 893	28 542 1 933 862	16 445 2 234 387	10 456 3 099 805	3 349 2 234 139	1 585 2 256 366	542 3 572 313	Number
								Area
Rented from others (total)								
17 305 244 382	9 160 283 751	2 831 202 008	1 313 188 891	688 205 874	162 107 730	66 95 043	20 123 927	Number
								Area
For a fixed amount of money								
(2 204) (29 769)	(1 684) (52 416)	(831) (60 794)	(467) (72 810)	(292) (92 497)	(90) (60 847)	(32) (45 526)	(10) (41 218)	Number
								Area
For a fixed amount of produce								
(477) (6 401)	(286) (8 578)	(79) (5 542)	(39) (5 149)	(27) (9 111)	(4) (2 779)	(1) (1 400)	(1) (128)	Number
								Area
For a fixed amount of money and produce								
(124) (1 675)	(85) (2 576)	(41) (2 908)	(19) (2 541)	(13) (4 105)	(1) (997)	(1) (1 892)	(1) (1 739)	Number
								Area
For a share of the produce								
(11 850) (172 407)	(5 556) (175 687)	(1 287) (93 806)	(489) (69 477)	(202) (58 503)	(39) (26 761)	(7) (12 699)	(2) (7 768)	Number
								Area
In exchange for services								
(636) (8 179)	(344) (9 868)	(79) (5 027)	(39) (5 170)	(19) (5 128)	(1) (600)	(—) (1 075)	(—) (—)	Number
								Area

Area : in hectares
Production : in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
Under other forms of renting								
Number	(61 318)	(14 779)	(9 903)	(14 545)	(7 442)	(3 907)	(2 269)	(4 287)
Area	(378 814)	(3 272)	(6 384)	(18 001)	(16 150)	(12 323)	(9 439)	(27 192)
Holdings operated by squatters								
Number	46 961	2 277	2 179	4 321	3 157	2 489	1 779	5 787
Area	3 314 075	523	1 378	5 504	7 062	8 124	7 443	39 352
Holdings operated under other single forms of tenure								
Number	25 690	3 358	2 813	4 116	2 324	2 002	1 179	3 917
Area	557 416	748	1 721	4 840	4 417	5 067	4 095	19 160
Holdings operated under more than one form of tenure								
Number	99 356	3 046	7 896	17 756	14 209	10 266	7 179	18 317
Area	1 677 477	1 205	6 203	26 096	34 209	34 907	31 536	126 719
Area in holdings, by tenure								
Owned by the holder or in owner- like possession	20 525 425	25 576	58 046	165 059	167 178	200 601	164 274	817 509
Rented from others (total)	2 440 751	11 451	32 252	93 719	95 286	93 751	74 427	281 526
For a fixed amount of money ..	(661 880)	(2 597)	(4 750)	(12 895)	(11 535)	(12 605)	(8 969)	(37 473)
For a fixed amount of produce ..	(71 669)	(238)	(1 154)	(3 528)	(3 569)	(3 363)	(2 612)	(8 894)
For a fixed amount of money and produce	(27 582)	(48)	(162)	(563)	(601)	(764)	(625)	(2 356)
For a share of the produce	(1 104 358)	(3 763)	(16 032)	(47 528)	(51 907)	(54 609)	(45 003)	(181 634)
In exchange for services	(92 005)	(1 384)	(2 979)	(7 755)	(7 039)	(6 317)	(4 718)	(14 348)
Under other forms of renting ..	(483 257)	(3 421)	(7 175)	(21 450)	(20 635)	(16 093)	(12 500)	(36 821)
Operated by squatters	3 762 458	534	1 434	5 954	7 668	8 723	8 011	41 880
Operated under other single forms of tenure	609 193	783	1 917	5 576	5 524	6 090	5 142	23 834
1 - LAND UTILIZATION								
Utilization of land in holdings (area)								
Arable land (total)	3 531 958	14 972	48 957	137 919	136 366	134 678	105 590	402 501
Land under temporary crops ¹ ..	(1 952 987)	(11 607)	(38 248)	(107 955)	(105 973)	(102 095)	(79 087)	(286 068)
Fallow land	(1 578 971)	(3 365)	(10 709)	(29 964)	(30 393)	(32 583)	(26 503)	(116 433)
Land under permanent crops ..	1 515 130	8 938	24 287	68 477	64 085	73 883	56 509	248 520
Land under permanent meadows and pastures	14 605 954	1 703	8 284	36 606	47 064	66 133	58 872	333 885
Wood or forest land	6 387 024	172	1 139	6 073	9 699	14 841	15 309	108 259
All other land	1 297 761	12 559	10 982	21 233	18 442	19 630	15 574	71 584
2 - CROPS - AREA AND PRODUCTION								
Crops on arable land								
Wheat								
Number of holdings reporting...	80 919	3 484	7 880	14 808	10 476	8 980	5 452	16 068
Area	129 675	776	3 218	9 658	9 279	9 930	6 818	28 197
Production	161 345	...	...	...	...	...	...	...
Rice								
Number of holdings reporting...	53 283	320	1 483	4 377	3 981	3 048	2 379	6 995
Area	226 792	158	740	3 243	4 213	3 955	3 799	12 853
Production	407 156	...	...	...	...	...	...	...
Millet and sorghum								
Number of holdings reporting...	8 202	43	513	1 882	1 172	761	482	1 257
Area	8 694	9	161	861	845	717	478	1 434
Production	5 945	...	...	...	...	...	...	...
Maize								
Number of holdings reporting...	539 251	32 519	50 369	84 375	57 649	46 125	30 541	88 372
Area	871 178	7 469	23 057	58 449	53 980	50 658	37 688	128 395
Production	1 056 588	...	...	...	...	...	...	...

¹ Including land under temporary meadows, market and kitchen gardens.

COLOMBIA
TOTAL AREA OF HOLDING
Classified by size of holding

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over	
(2 014) (25 951)	(1 205) (34 626)	(514) (33 931)	(260) (33 744)	(135) (36 530)	(27) (15 746)	(24) (32 451)	(7) (73 074)	Under other forms of renting Number Area
6 007 79 817	7 627 227 485	5 802 362 999	3 119 385 406	1 713 451 661	356 214 601	194 279 457	154 1 243 263	Holdings operated by squatters Number Area
2 652 26 937	1 859 45 612	706 39 006	348 39 749	262 67 188	88 50 993	47 60 959	19 186 924	Holdings operated under other single forms of tenure Number Area
10 448 143 868	6 144 185 960	2 109 142 596	1 092 147 719	574 169 791	186 123 301	83 116 385	51 386 982	Holdings operated under more than one form of tenure Number Area
								Area in holdings, by tenure
1 154 490 299 581	1 996 170 345 125	2 009 012 241 498	2 304 648 229 082	3 182 815 244 796	2 286 750 138 633	2 304 979 109 477	3 688 318 150 147	Owned by the holder or in owner-like possession Rented from others (total)
(44 312) (8 618)	(71 906) (11 015)	(76 134) (7 103)	(91 912) (6 357)	(111 320) (10 275)	(72 751) (3 415)	(52 038) (1 400)	(50 683) (128)	For a fixed amount of money For a fixed amount of produce For a fixed amount of money and produce
(2 220) (196 494)	(3 208) (199 199)	(3 404) (105 331)	(3 194) (78 898)	(4 309) (64 441)	(997) (31 351)	(1 892) (17 785)	(3 239) (10 383)	For a share of the produce In exchange for services Under other forms of renting
(11 255) (36 682)	(12 734) (47 063)	(6 458) (43 068)	(6 608) (42 113)	(6 326) (48 125)	(1 509) (28 610)	(1 075) (35 287)	(1 500) (84 214)	
85 734 32 271	242 391 55 015	384 184 45 777	416 194 46 228	491 348 75 360	250 295 55 086	331 087 62 667	1 487 021 187 923	Operated by squatters Operated under other single forms of tenure
								1 - LAND UTILIZATION
								Utilization of land in holdings (area)
426 034 (276 231) (149 803) 270 842	539 091 (295 433) (243 658) 282 307	411 594 (194 836) (216 758) 148 696	371 463 (159 819) (211 644) 98 726	376 480 (150 567) (225 913) 78 661	197 766 (71 207) (126 559) 36 494	147 886 (48 914) (98 972) 23 906	80 661 (24 947) (55 714) 30 799	Arable land (total) Land under temporary crops ^t Fallow land Land under permanent crops Land under permanent meadows and pastures Wood or forest land All other land
546 871 232 391 95 938	1 061 244 608 275 147 784	1 165 202 825 758 129 221	1 445 056 947 794 133 113	2 134 629 1 235 555 168 994	1 609 421 770 752 116 331	1 787 641 733 661 115 116	4 303 343 877 346 221 260	
								2 - CROPS - AREA AND PRODUCTION
								Crops on arable land
								Wheat
8 089 21 505 ...	4 014 18 329 ...	1 001 9 006 ...	417 6 948 ...	184 4 530 ...	48 960 ...	17 515 ...	1 6 ...	Number of holdings reporting Area Production
								Rice
7 169 17 349 ...	9 224 29 222 ...	6 505 31 113 ...	4 134 32 743 ...	2 464 39 582 ...	692 23 815 ...	318 13 210 ...	194 10 797 ...	Number of holdings reporting Area Production
								Millet and sorghum
885 1 154 ...	646 1 006 ...	278 630 ...	160 611 ...	86 494 ...	27 175 ...	10 119 ...		Number of holdings reporting Area Production
								Maize
61 079 115 566 ...	46 701 124 448 ...	21 218 85 814 ...	11 234 71 119 ...	6 360 62 687 ...	1 703 27 040 ...	726 17 452 ...	280 7 356 ...	Number of holdings reporting Area Production

Area : in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION B'

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
Barley								
Number of holdings reporting...	33 414	2 663	3 827	5 776	3 748	3 185	1 959	5 863
Area	58 304	550	1 443	3 189	2 607	2 705	1 843	7 558
Production	70 215	...	...	...	...	...	...	...
Edible dry beans								
Number of holdings reporting...	86 662	3 577	7 055	12 209	8 413	7 159	4 803	15 558
Area	115 927	713	2 805	7 305	6 378	6 288	4 589	17 135
Production	70 395	...	...	...	...	...	...	...
Edible dry peas								
Number of holdings reporting...	32 266	1 315	2 755	4 933	3 671	3 279	2 233	6 632
Area	31 643	242	856	2 283	2 252	2 413	1 850	7 024
Production	12 689	...	...	...	...	...	...	...
Potatoes								
Number of holdings reporting...	108 404	8 400	12 142	19 030	12 278	10 546	6 445	19 206
Area	123 652	1 699	4 422	10 170	8 388	8 657	5 955	23 189
Production	1 138 435	...	...	...	...	...	...	...
Manioc (cassava)								
Number of holdings reporting...	255 221	4 813	13 800	32 799	25 492	21 020	14 778	47 351
Area	217 345	871	3 738	13 172	13 601	12 457	9 747	35 931
Production	912 207	...	...	...	...	...	...	...
Arracacha (<i>Arracacia xanthorrhiza</i>)								
Number of holdings reporting...	47 521	1 534	3 708	7 380	5 393	4 526	3 113	9 282
Area	22 758	192	706	1 897	1 780	1 718	1 338	4 708
Production	56 860	...	...	...	...	...	...	...
Sugarcane								
Number of holdings reporting...	223 076	9 449	17 462	31 449	22 081	19 385	13 362	42 424
Area	344 142	1 709	6 190	15 376	13 925	14 731	11 427	45 408
Production	14 821 805	...	...	...	...	...	...	...
Sesame								
Number of holdings reporting...	14 851	196	661	2 563	2 209	1 463	987	2 213
Area	50 719	98	386	2 479	3 225	2 893	2 183	6 688
Production	32 216	...	...	...	...	...	...	...
Tobacco								
Number of holdings reporting...	19 473	387	1 021	3 199	3 091	2 318	1 702	3 961
Area	23 307	99	421	2 014	2 596	2 500	1 931	5 709
Production	41 847	...	...	...	...	...	...	...
Tomatoes								
Number of holdings reporting...	4 696	316	684	1 057	564	425	228	678
Area	3 276	59	207	463	304	316	139	644
Production	20 914	...	...	...	...	...	...	...
Permanent crops								
Bananas								
In compact plantations								
Number of holdings reporting...	46 166	2 170	3 101	5 461	3 801	3 314	2 380	7 847
Area	55 267	293	692	1 794	1 622	1 680	1 441	5 882
Scattered trees								
Number of holdings reporting...	17 474	2 159	1 634	2 530	1 639	1 500	896	3 223
Number of trees	286 733	25 300	17 288	33 381	24 447	22 891	17 404	56 418
Number of bunches (in thousands)	31 933	...	...	...	...	...	...	...
Plantains								
In compact plantations								
Number of holdings reporting...	415 973	20 178	29 985	55 440	38 943	34 714	23 643	75 607
Area	408 540	2 689	7 302	20 882	19 685	21 414	17 204	69 203

COLOMBIA

TOTAL AREA OF HOLDING

Classified by size of holding

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over	
3 369 7 158 ...	1 894 8 478 ...	596 6 438 ...	318 6 746 ...	174 6 101 ...	34 2 624 ...	8 864 ...	— — ...	Barley
								Number of holdings reporting
								Area
								Production
12 143 17 222 ...	9 549 19 557 ...	3 581 12 704 ...	1 543 9 525 ...	793 6 166 ...	189 2 543 ...	71 2 748 ...	19 249 ...	Edible dry beans
								Number of holdings reporting
								Area
								Production
4 107 6 007 ...	2 312 4 959 ...	643 1 726 ...	233 1 048 ...	117 514 ...	24 146 ...	10 113 ...	2 210 ...	Edible dry peas
								Number of holdings reporting
								Area
								Production
10 710 19 057 ...	6 159 17 491 ...	1 998 9 446 ...	866 6 620 ...	463 5 947 ...	107 1 464 ...	44 987 ...	10 160 ...	Potatoes
								Number of holdings reporting
								Area
								Production
37 358 36 761 ...	30 712 38 407 ...	13 812 20 952 ...	7 305 14 199 ...	4 109 10 106 ...	1 144 3 918 ...	527 2 458 ...	201 1 027 ...	Manioc (cassava)
								Number of holdings reporting
								Area
								Production
6 448 4 273 ...	4 154 3 505 ...	1 288 1 344 ...	455 702 ...	186 335 ...	36 115 ...	17 143 ...	1 2 ...	Arracacha (<i>Arracacia xanthorriza</i>)
								Number of holdings reporting
								Area
								Production
31 196 47 976 ...	21 990 49 682 ...	7 841 28 925 ...	3 601 25 419 ...	1 970 27 561 ...	564 17 305 ...	228 17 028 ...	74 21 480 ...	Sugarcane
								Number of holdings reporting
								Area
								Production
1 385 6 313 ...	1 255 8 053 ...	804 5 479 ...	596 4 953 ...	364 5 121 ...	96 1 100 ...	47 836 ...	12 912 ...	Sesame
								Number of holdings reporting
								Area
								Production
2 006 3 683 ...	1 022 1 978 ...	382 796 ...	217 479 ...	128 582 ...	28 337 ...	8 124 ...	3 58 ...	Tobacco
								Number of holdings reporting
								Area
								Production
334 366 ...	225 355 ...	80 137 ...	60 137 ...	30 92 ...	8 44 ...	6 9 ...	1 4 ...	Tomatoes
								Number of holdings reporting
								Area
								Production
								Permanent crops
								Bananas
								In compact plantations
6 946 7 369	5 952 10 269	2 713 7 721	1 408 7 286	734 6 354	215 1 406	94 1 062	30 396	Number of holdings reporting
								Area
								Scattered trees
1 986 39 628	1 250 30 059	378 10 221	175 5 423	74 2 628	16 444	10 1 141	4 60	Number of holdings reporting
								Number of trees
...	...	...	...	...	...	...	...	Number of bunches (in thousands)
								Plantains
								In compact plantations
56 650 73 886	43 154 77 242	18 827 40 683	9 819 25 414	5 892 17 495	1 733 7 143	914 4 758	474 3 540	Number of holdings reporting
								Area

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
Scattered trees								
Number of holdings reporting...	32 194	8 373	4 331	5 580	2 955	2 310	1 239	3 554
Number of trees	1 014 975	141 410	92 561	146 963	86 457	86 525	40 285	157 416
Number of bunches (in thousands)	236 890	...	...	...	...	...	...	...
Coffee								
In compact plantations								
Number of holdings reporting...	417 867	28 509	38 045	62 676	41 151	36 695	23 902	76 991
Area	968 319	5 660	17 128	48 325	45 131	53 187	40 000	178 689
Scattered trees								
Number of holdings reporting...	11 174	3 381	1 105	1 398	865	644	481	1 228
Number of trees	323 595	92 599	24 269	36 733	25 133	20 333	15 470	38 550
Production	509 671	...	...	...	...	...	...	...
Cocoa								
In compact plantations								
Number of holdings reporting...	35 760	1 666	2 803	3 895	2 459	2 197	1 617	5 809
Area	50 545	250	834	1 953	1 758	1 940	1 581	7 182
Scattered trees								
Number of holdings reporting...	13 830	1 299	1 028	1 541	992	907	688	2 236
Number of trees	601 082	15 133	15 317	24 850	19 965	229 300	16 211	66 856
Production	18 907	...	...	...	...	...	...	...
3 - LIVESTOCK AND POULTRY								
Horses, mules and asses								
Horses								
Number of holdings reporting...	369 251	7 383	11 510	30 145	26 670	27 892	20 179	74 936
Number of horses	898 790	10 967	15 305	41 057	38 083	41 858	31 569	131 417
Mules								
Number of holdings reporting...	152 416	2 005	2 348	6 404	6 656	7 100	5 786	25 140
Number of mules	342 482	3 499	3 382	8 827	8 998	10 126	8 527	38 966
Asses								
Number of holdings reporting...	150 144	13 246	9 949	19 506	13 443	9 641	6 376	18 598
Number of asses	293 915	20 792	13 830	28 116	21 235	15 263	10 880	32 091
Cattle								
Number of holdings reporting....	440 320	9 883	19 755	44 866	36 256	35 050	24 366	84 038
Total number of cattle	9 643 589	30 150	47 474	131 138	121 775	137 922	107 656	501 669
Cattle under 2 years of age....	3 661 371	13 542	19 690	56 276	49 173	54 751	43 967	204 854
Male	(1 741 255)	(5 556)	(8 950)	(27 813)	(23 026)	(25 937)	(20 436)	(100 931)
Female	(1 920 116)	(7 986)	(10 740)	(28 463)	(26 147)	(28 814)	(23 531)	(103 923)
Cattle 2 years of age and over..	5 982 218	16 608	27 784	74 862	72 602	83 171	63 689	296 815
Male	(1 744 708)	(2 830)	(6 640)	(18 672)	(18 384)	(22 496)	(15 709)	(71 783)
Female	(4 237 510)	(13 778)	(21 144)	(56 190)	(54 218)	(60 675)	(47 980)	(225 032)
Number of holdings reporting speci- fied number of cattle								
1 head	40 653	3 120	5 872	9 579	5 654	4 102	2 398	5 592
2-4 head	180 774	5 658	12 553	30 317	23 877	21 751	13 999	38 748
5-9 head	90 589	716	1 109	4 267	5 720	7 628	6 415	27 134
10-19 head	56 041	291	166	569	842	1 347	1 352	10 579
20-49 head	39 138	81	44	112	135	193	172	1 799
50-99 head	15 872	10	8	14	18	21	20	135
100-199 head	9 034	5	1	6	8	5	5	33
200-499 head	5 782	2	2	---	2	3	5	11
500 head and over.....	2 437	---	---	2	---	---	---	7
Sheep								
Number of holdings reporting....	140 750	10 865	14 509	23 446	15 412	13 243	8 040	24 142
Total number of sheep	870 775	39 504	54 125	97 291	68 788	65 902	44 400	153 445
Lambs under 1 year of age	(291 790)	(13 486)	(17 093)	(31 841)	(21 300)	(20 880)	(17 027)	(53 539)
Sheep 1 year of age and over ..	(578 985)	(26 018)	(37 032)	(65 450)	(47 488)	(45 022)	(27 373)	(99 906)

COLOMBIA

Classified by size of holding

TOTAL AREA OF HOLDING

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over	
1 935 104 949 ...	1 147 70 615 ...	399 24 533 ...	196 22 131 ...	123 18 051 ...	34 22 711 ...	12 179 ...	6 189 ...	Scattered trees Number of holdings reporting Number of trees Number of bunches (in thousands)
53 628 190 271	35 805 188 515	12 202 92 501	5 102 52 993	2 359 35 124	565 13 934	185 6 008	52 853	Coffee In compact plantations Number of holdings reporting Area
777 23 982 ...	680 23 911 ...	318 10 272 ...	177 5 930 ...	83 2 820 ...	21 2 686 ...	10 687 ...	6 220 ...	Scattered trees Number of holdings reporting Number of trees Production
5 448 9 217	5 136 10 974	2 437 5 638	1 203 3 846	758 3 184	213 1 187	93 714	26 287	Cocoa In compact plantations Number of holdings reporting Area
1 911 73 678 ...	1 705 62 057 ...	818 31 735 ...	411 26 468 ...	218 12 206 ...	56 6 299 ...	14 837 ...	6 170 ...	Scattered trees Number of holdings reporting Number of trees Production
3 - LIVESTOCK AND POULTRY								
Horses, mules and asses								
Horses								
61 544 130 408	51 551 139 865	25 291 85 228	15 592 68 331	10 573 67 458	3 531 37 309	1 734 28 864	720 31 071	Number of holdings reporting Number of horses
Mules								
27 425 48 495	28 813 61 989	16 177 42 469	11 037 35 512	8 237 34 173	3 640 17 927	1 566 11 747	682 7 845	Number of holdings reporting Number of mules
Asses								
15 267 30 152	17 526 49 505	11 210 30 953	7 511 22 158	4 963 16 570	1 637 5 838	925 4 331	346 2 102	Number of holdings reporting Number of asses
Cattle								
66 845 649 845	56 962 1 055 876	27 742 1 023 008	17 006 1 177 845	11 305 1 605 244	3 677 1 112 297	1 817 980 638	752 961 052	Number of holdings reporting Total number of cattle
259 866 (125 891) (133 975)	417 912 (195 981) (221 931)	389 218 (184 132) (205 086)	440 982 (208 775) (232 207)	589 959 (279 469) (310 490)	411 731 (195 249) (216 482)	340 172 (167 185) (172 987)	369 278 (171 924) (197 354)	Cattle under 2 years of age Male Female
389 979 (91 549) (298 430)	637 964 (138 211) (499 753)	633 790 (140 769) (493 021)	736 863 (185 144) (551 719)	1 015 285 (310 364) (704 921)	700 566 (246 084) (454 482)	640 466 (259 754) (380 712)	591 774 (216 319) (375 455)	Cattle 2 years of age and over Male Female
Number of holdings reporting specified number of cattle								
2 544 19 990 20 486 16 986 6 266 484 60 19 10	1 266 9 793 11 981 15 543 14 741 3 083 464 76 15	328 2 710 3 288 5 326 9 031 5 155 1 639 248 17	141 937 1 301 2 069 4 346 4 086 3 061 1 012 53	46 368 464 778 1 808 2 233 2 760 2 450 398	6 54 59 142 278 450 694 1 278 716	2 17 15 45 110 116 231 524 757	3 2 6 6 22 39 62 150 62	1 head 2-4 head 5-9 head 10-19 head 20-49 head 50-99 head 100-199 head 200-499 head 500 head and over
Sheep								
13 990 105 118 (33 364) (71 754)	9 071 91 042 (28 620) (62 422)	3 486 48 362 (15 924) (32 438)	2 056 42 419 (18 819) (23 600)	1 500 28 587 (9 375) (19 212)	578 15 206 (4 819) (10 387)	294 9 426 (3 072) (6 354)	118 7 160 (2 631) (4 529)	Number of holdings reporting Total number of sheep Lambs under 1 year of age Sheep 1 year of age and over

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
Goats								
Number of holdings reporting.....	34 592	1 709	1 677	3 609	3 280	2 984	2 206	6 794
Number of goats	200 910	8 047	7 774	15 299	11 935	11 607	8 267	27 704
Pigs								
Number of holdings reporting.....	554 657	64 199	41 763	68 559	48 100	41 005	27 882	87 372
Total number of pigs	2 067 278	214 493	105 679	169 216	127 000	107 028	77 374	260 015
Under 6 months of age	(1 124 954)	(124 867)	(61 514)	(98 091)	(72 446)	(59 455)	(42 727)	(138 259)
6 months of age and over.....	(942 324)	(89 626)	(44 165)	(71 125)	(54 554)	(47 573)	(34 647)	(121 756)
Poultry								
Number of holdings reporting.....	955 499	131 942	92 527	140 058	91 109	74 042	48 528	141 532
Number of cocks, hens, chicks and pullets	17 314 416	1 985 795	1 247 997	1 973 132	1 373 995	1 196 994	800 976	2 555 008
Number of ducks, turkeys, geese and other poultry	1 225 217	116 385	60 823	101 774	78 940	67 879	50 474	171 433
Bees								
Number of holdings reporting.....	19 349	942	1 203	2 313	1 895	1 720	1 274	4 002
Number of beehives.....	86 851	4 227	4 541	10 221	8 208	7 581	5 375	17 664
5 - FARM POPULATION								
Number of persons living on the holding	6 566 284	822 547	529 479	815 643	553 022	466 641	310 080	983 446
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES								
Use and source of power on the holding								
Number of holdings reporting the use of :								
Mechanical power.....	29 916	999	1 565	3 048	2 153	1 846	1 173	4 744
Animal power	352 710	19 603	32 272	51 226	34 363	29 791	19 493	61 251
Animal and mechanical power ..	45 330	814	2 523	6 019	4 859	4 148	2 776	8 571
Human power only	781 716	144 236	96 059	131 054	75 630	56 216	34 739	94 579
Selected agricultural equipment owned by the holder								
Internal combustion motors								
Number of holdings reporting...	19 737	150	203	647	619	904	639	3 557
Number of internal combustion motors	23 279	161	235	681	665	948	711	3 765
Electric motors								
Number of holdings reporting...	4 791	65	51	144	99	120	71	485
Number of electric motors	6 488	80	57	165	132	160	79	591
Tractors								
Number of holdings reporting...	8 129	41	90	257	160	182	107	532
Number of tractors	15 361	71	150	353	208	214	148	762
Combines (harvester-threshers)								
Number of holdings reporting...	1 454	1	14	39	44	50	32	150
Number of combines	1 916	1	16	43	48	58	35	165
Threshers (engine-operated)								
Number of holdings reporting...	2 874	17	47	134	157	129	121	461
Number of threshers	3 462	17	59	214	183	155	165	495

COLOMBIA

TOTAL AREA OF HOLDING

Classified by size of holding

0 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over	
4 799 28 228	3 476 27 751	1 628 17 217	1 085 14 620	840 11 425	288 6 735	163 2 626	54 1 675	Goats Number of holdings reporting Number of goats
66 320 240 719	54 540 264 123	26 115 174 906	14 848 129 576	9 270 106 008	2 789 45 519	1 314 27 675	581 17 947	Pigs Number of holdings reporting Total number of pigs
(125 763) (114 956)	(138 653) (125 470)	(93 692) (81 214)	(68 407) (61 169)	(54 890) (51 118)	(22 503) (23 016)	(14 295) (13 380)	(9 392) (8 555)	Under 6 months of age 6 months of age and over
96 058 940 323	72 066 1 769 757	32 676 976 162	18 109 625 890	11 112 573 212	3 383 166 332	1 649 81 009	708 47 834	Poultry Number of holdings reporting Number of cocks, hens, chicks and pullets
161 188	168 629	97 621	67 394	49 746	18 216	9 869	4 846	Number of ducks, turkeys, geese and other poultry
2 830 12 777	1 944 9 883	675 3 272	300 1 600	167 921	51 295	21 229	12 57	Bees Number of holdings reporting Number of beehives
5 - FARM POPULATION								
732 353	604 936	303 175	191 095	143 705	57 089	34 302	18 771	Number of persons living on the holding
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES								
Use and source of power on the holding								
4 413 43 323 5 646 60 849	4 150 31 975 4 306 46 358	2 222 13 910 1 986 21 872	1 506 7 709 1 391 11 711	1 210 5 062 1 188 6 233	505 1 537 563 1 536	279 789 356 551	103 406 184 93	Number of holdings reporting the use of: Mechanical power Animal power Animal and mechanical power Human power only
Selected agricultural equipment owned by the holder								
Internal combustion motors								
4 118 4 519	3 996 4 666	1 901 2 487	1 230 1 717	950 1 450	450 656	278 450	95 168	Number of holdings reporting Number of internal combustion motors
647 753	915 1 171	619 901	533 773	519 809	259 408	197 298	67 111	Electric motors Number of holdings reporting Number of electric motors
765 1 054	1 207 1 805	1 110 1 930	1 041 2 242	1 144 2 540	733 1 705	521 1 380	239 799	Tractors Number of holdings reporting Number of tractors
144 161	210 252	163 207	193 247	211 328	110 188	62 105	31 62	Combines (harvester-threshers) Number of holdings reporting Number of combines
514 598	543 629	240 302	188 203	178 217	69 98	54 98	22 29	Threshers (engine-operated) Number of holdings reporting Number of threshers

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
Sugarcane crushers								
Total number of sugarcane crushers	68 566	288	1 055	3 716	4 014	4 584	3 643	15 081
Engine-operated								
Number of holdings reporting Number of sugarcane crushers	7 833 (8 228)	51 (58)	98 (107)	251 (270)	242 (255)	248 (255)	234 (236)	1 095 (1 118)
Animal-operated								
Number of holdings reporting Number of sugarcane crushers	59 582 (60 338)	228 (230)	946 (948)	3 433 (3 446)	3 742 (3 759)	4 307 (4 329)	3 383 (3 407)	13 850 (13 963)
Selected agricultural equipment used on the holding								
Holdings reporting the use of :								
Internal combustion motors								
Owned	17 520	99	128	448	482	752	534	3 144
Not owned	6 704	109	361	906	721	676	461	1 549
Electric motors								
Owned	4 328	48	38	135	82	108	68	436
Not owned	258	9	15	13	26	18	9	48
Tractors								
Owned	6 458	24	85	110	83	100	60	398
Not owned	17 081	1 284	1 603	2 825	1 762	1 357	875	2 639
Combines (harvester-threshers)								
Owned	1 254	2	11	16	30	26	20	126
Not owned	1 246	38	60	128	65	68	48	177
Threshers (engine-operated)								
Owned	2 596	10	26	84	91	101	87	353
Not owned	31 118	640	2 235	5 408	4 426	3 624	2 362	6 744
Sugarcane crushers								
Engine-operated								
Owned	6 845	49	70	125	139	180	175	903
Not owned	11 255	348	1 239	2 192	1 612	1 225	848	2 035
Animal-operated								
Owned	54 610	168	717	2 925	3 273	3 859	3 214	12 600
Not owned	23 890	735	2 100	4 398	3 115	2 628	1 861	4 573
7 - IRRIGATION AND DRAINAGE								
Area of land actually irrigated								
Number of holdings reporting.....	41 298	4 093	5 094	7 038	4 276	3 493	2 270	6 268
Area	226 336	936	2 569	5 813	4 779	5 018	3 605	13 529
8 - FERTILIZERS AND SOIL DRESS- INGS								
Application of fertilizers								
Number of holdings reporting the use of :								
Inorganic fertilizers	77 860	5 623	9 753	13 085	8 472	7 102	4 229	13 538
Organic fertilizers	208 571	31 142	29 023	38 033	21 269	17 450	10 100	29 348
Inorganic and organic fertilizers.	55 252	3 478	6 344	10 022	6 515	5 626	3 419	10 302

COLOMBIA

TOTAL AREA OF HOLDING

Classified by size of holding

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over	
								Sugarcane crushers
14 841	12 461	4 974	2 268	1 189	299	126	27	Total number of sugarcane crushers
1 615 (1 657)	1 849 (1 935)	964 (1 037)	629 (670)	375 (414)	118 (136)	52 (66)	12 (14)	Engine-operated
								Number of holdings reporting
								Number of sugarcane crushers
								Animal-operated
13 014 (13 184)	10 320 (10 526)	3 856 (3 937)	1 550 (1 598)	740 (775)	147 (163)	53 (60)	13 (13)	Number of holdings reporting
								Number of sugarcane crushers
								Selected agricultural equipment used on the holding
								Holdings reporting the use of:
								Internal combustion motors
3 713 1 104	3 696 595	1 748 144	1 120 39	894 25	419 11	251 2	92 1	Owned
								Not owned
								Electric motors
591 35	826 37	563 19	477 13	466 13	244 2	185 1	61 ---	Owned
								Not owned
								Tractors
663 1 753	1 028 1 346	896 675	842 353	945 303	580 180	439 86	205 40	Owned
								Not owned
								Combines (harvester-threshers)
136 181	202 180	153 138	166 85	188 51	98 14	53 11	27 2	Owned
								Not owned
								Threshers (engine-operated)
471 3 369	560 1 587	281 442	217 154	189 78	61 31	48 14	17 4	Owned
								Not owned
								Sugarcane crushers
								Engine-operated
1 444 1 081	1 743 494	901 116	591 42	351 19	109 1	51 2	14 1	Owned
								Not owned
								Animal-operated
12 161 2 671	9 693 1 342	3 618 310	1 465 101	711 48	139 8	54 ---	13 ---	Owned
								Not owned
								7 - IRRIGATION AND DRAINAGE
								Area of land actually irrigated
3 753 13 573	2 486 18 751	1 042 18 563	678 24 786	487 37 759	195 26 702	91 21 716	34 28 237	Number of holdings reporting
								Area
								8 - FERTILIZERS AND SOIL DRESS-INGS
								Application of fertilizers
								Number of holdings reporting the use of:
7 534 16 773 5 367	4 759 9 791 2 652	1 789 3 076 849	993 1 435 370	630 743 215	196 264 55	109 97 27	48 27 11	Inorganic fertilizers
								Organic fertilizers
								Inorganic and organic fertilizers

Date of the census and time reference

The annual agricultural census taken on 11 July 1959 was considered as Denmark's participation in the 1960 world census of agriculture.

Census data in general refer to the date of the census.

Method of collection and processing of census data

Census data were collected by enumerators through municipal and parish councils on the basis of questionnaires sent by the Statistical Department.

The census covered both rural parishes and cities.

To ensure that enumerators would include all holdings within their respective districts, information for identifying holdings was entered into the census questionnaires at the council offices prior to the enumeration; the information was drawn, wherever necessary, from the real property assessment list of 1956.

Completed questionnaires were revised, where necessary, by the councils and returned directly to the Statistical Department where they were processed.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

No specific definition of holding was given, but returns were obtained for: holdings in rural parishes and in towns with an agricultural area of 0.55 ha and over having land under cultivation

or carrying on market gardening or fruit growing; holdings without agricultural land, and those with less than 0.55 ha of agricultural area provided they kept some livestock.

1 - LAND UTILIZATION

Arable land

This includes land under field crops, rotation areas under clover and grasses for hay and grazing, land devoted to the cultivation of vegetables mainly for sale, including areas growing strawberries, areas under seed crops and fallow land.

Land under permanent meadows and pastures

This includes grassland out of rotation, either cultivated or existing naturally, including former public pasture used for haymaking and for grazing and other grassland of low quality. This category also includes grassland used as peat-drying ground.

2 - CROPS

In principle each area was recorded only once, therefore successive crops were not enumerated.

3 - LIVESTOCK AND POULTRY

Data refer to the number of animals found on the holding at 11 July 1959.

4 - EMPLOYMENT IN AGRICULTURE

Data include the number of persons engaged in agricultural work (excluding the holder, his wife and minor children) as on 11 July 1959. Agricultural work was to exclude gardening, forestry, peat work and handicrafts.

DENMARK

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data refer to the number of machines on the holding at the census date.

* * *

SOURCE: Denmark. *Statistiske Meddelelser*.
Landbrugsstatistik Efter Ejendomsstørrelse 1951

udgivet af det Statistiske Department, København 1954. *Danmarks Statistik, Statistiske Meddelelser 1960: 3, Landbrugsstatistik 1959*, herunder gartneri, skovbrug m.v. Det Statistiske Eftereetninger 1961-13, 53 Argang Danmarks Statistik Udgivet at Det Statistiske Department. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume I, *Census results by countries*. Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

DENMARK

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	196 506
Agricultural area ¹	3 108 267

1 - LAND UTILIZATION

Utilization of agricultural land in holdings (area)

Arable land ²	2 743 721
Land under permanent meadows and pastures	364 546

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Wheat

Number of holdings reporting	40 721
Area	88 263
Production	364 258

Rye

Number of holdings reporting	61 104
Area	120 767
Production	289 065

Barley

Area	751 684
Production	2 337 625

Oats

Area	203 842
Production	567 615

Mixed grain

Area	264 339
Production	602 105

Leguminous crops for grain

Area	6 077
Production	13 055

Potatoes

Number of holdings reporting	103 717
Area	87 063
Production	1 730 622

Turnips for feed

Area	4 615
Production	128 369

Mangolds for feed

Area	12 215
Production	446 803

Swedes for feed

Area	195 988
Production	8 793 272

Carrots for feed

Area	531
Production	8 647

Other tuber and root crops grown principally for feed

Area	203 957
Production	6 735 685

Sugar beet

Number of holdings reporting	24 658
Area	55 247
Production	1 593 313

Flax harvested for fiber

Area	798
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Linseed

Area	1 116
------------	-------

Mustard seed

Area	6 081
------------	-------

Hempseed

Area	32
------------	----

Rapeseed

Area	5 430
------------	-------

Chicory

Area	112
Production	3 000

Alfalfa

Area	15 059
------------	--------

Other crops and mixed leguminous crops for green fodder

Area	2 538
------------	-------

Clover and grass for hay

Area	192 975
------------	---------

Clover and grass for grazing

Area	441 885
------------	---------

Maize for silage

Area	286
------------	-----

Other grain crops for green fodder and silage

Area	860
------------	-----

Vegetables grown principally for sale

Cabbage and Brussels sprouts

Area	1 620
Production	34 200

Kale

Area	135
Production	2 000

Asparagus

Area	1 034
Production	6 400

Spinach

Area	103
Production	900

Rhubarb

Area	140
Production	3 200

Leeks

Area	407
Production	6 500

Cucumbers

Area	395
Production	5 900

Tomatoes

Area	22
Production	400

Onions

Area	426
Production	7 200

Beets (red)

Area	186
Production	4 500

Carrots

Area	632
Production	19 000

Celeriac

Area	263
Production	5 800

Horseradish

Area	85
Production	300

Beans (green)

Area	73
Production	400

Peas (green)

Area	1 123
Production	6 700

Cauliflower

Area	741
Production	4 400

Mushrooms

Production	2 200
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Other vegetables

Area	1 515
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¹ Arable land, including strawberries for sale and permanent meadows and pastures. ² Including strawberries for sale.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

DENMARK

Not classified by size of holding

Crops grown for seed	
Number of holdings reporting	12 928
Area	64 878
Other crops on arable land	
Area	1 220
Permanent meadows and pastures	
Permanent grassland cut for hay (area)	38 588
Permanent crops grown for sale	
Apples	
Production	102 600
Pears	
Production	6 300
Cherries	
Production	1 400
Plums	
Production	3 900
Strawberries	
Area	1 068
Production	5 300
Raspberries	
Production	600
Gooseberries	
Production	300
Currants	
Production	1 400

3 - LIVESTOCK AND POULTRY ³

Horses	
Number of holdings reporting	106 348
Total number of horses	211 755
Horses under 3 years of age	30 346
Young stock under 1 year of age	(16 072)
Young stock 1 year of age and under 3 years	(14 274)
Horses 3 years of age and over	181 409
Stallions	(1 241)
Geldings	(61 933)
Mares	(118 235)
Cattle	
Number of holdings reporting	173 239
Total number of cattle	3 379 143
Bulls 1 year of age and over	(43 170)
Bullocks 1 year of age and over	(47 616)
Cows and heifers having calved	(1 433 285)
Heifers not having calved, 1 year of age and over	(737 115)
Calves under 1 year of age	(1 117 957)
Sheep	
Number of holdings reporting	3 160
Number of sheep	41 989
Pigs	
Number of holdings reporting	175 699
Total number of pigs	6 073 782
Boars for service	(15 902)
Sows	(670 577)
Suckling pigs	(1 515 499)
All other pigs for breeding or fattening	(3 871 804)
Poultry	
Number of holdings reporting	186 786
Number of chickens	26 505 980
Under 6 months of age	(15 592 113)
6 months of age and over	(10 913 867)
Other poultry	
Number of turkeys	73 513
Number of ducks	760 591
Number of geese	274 704

Fur-bearing animals ⁴	
Number of holdings reporting	2 155
Foxes	
Number of foxes	588
Minks	
Number of holdings reporting	2 095
Number of minks	910 940
Coypus	
Number of holdings reporting	9
Number of coypus	309
Chinchillas	
Number of holdings reporting	22
Number of chinchillas	507

4 - EMPLOYMENT IN AGRICULTURE

Persons employed in agricultural work on the holding	
All persons	145 419
Family workers ⁵	45 335
Male	31 714
Under 15 years of age	(3 455)
15 years of age and over	(28 259)
Female	13 621
Under 15 years of age	(1 843)
15 years of age and over	(11 778)
Regularly hired workers	90 210
Male	(69 963)
Female	(20 247)
Occasional workers	9 874
Male	(8 659)
Female	(1 215)

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Tractors	
Number of holdings reporting	87 367
Number of tractors	96 407
Combines (harvester-threshers)	
Number of holdings reporting	5 584
Number of combines	6 386
Milking machines	
Number of milking machines	138 383

7 - IRRIGATION AND DRAINAGE

Area of irrigated land	579
Area of drained land	11 587

8 - FERTILIZERS AND SOIL DRESSINGS

Application of organic and inorganic fertilizers	
Organic fertilizers	
Farmyard manure	
Amount applied (metric tons)	1 834 900
Inorganic fertilizers	
Nitrogenous	
Amount applied (metric tons)	673 008
Phosphate	
Amount applied (metric tons)	606 193
Potash	
Amount applied (metric tons)	335 554
Application of soil dressings	
Lime	
Area treated	1 715
Other soil dressings	
Area treated	199

³ Data include information on holdings without land. ⁴ Information obtained from the Danish Association of Breeders of Fur-bearing Animals. ⁵ Excludes the holder, his wife and minor children.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGRICULTURAL¹ AREA OF HOLDING

DENMARK

Classified by size of holding

	All sizes of holdings	0.55 and under 5 ha	5 and under 10 ha	10 and under 15 ha	15 and under 30 ha	30 and under 60 ha	60 and under 120 ha	120 ha and over
0 - HOLDER, HOLDING AND TENURE								
Number and area of holdings								
Number.....	196 506	37 584	54 405	32 631	48 485	19 649	2 891	861
Percentage distribution.....	100.0	19.1	27.7	16.6	24.7	10.0	1.5	0.4
Agricultural area ¹	3 108 267	108 234	391 496	394 553	1 028 014	776 392	225 953	183 625
Percentage distribution.....	100.0	3.5	12.5	12.7	33.1	25.0	7.3	5.9
1 - LAND UTILIZATION								
Utilization of agricultural land in holdings (area)								
Arable land ²	2 743 721	101 983	362 133	359 043	905 920	665 001	190 949	158 692
Land under permanent meadows and pastures.....	364 546	6 251	29 363	35 510	122 094	111 391	35 004	24 933
2 - CROPS - AREA								
Crops on arable land								
Wheat								
Area.....	88 263	1 647	6 106	8 429	26 045	23 213	8 768	14 055
Rye								
Area.....	120 767	2 484	10 392	13 205	38 843	35 741	11 646	8 456
Barley								
Area.....	751 684	28 241	95 008	85 103	240 361	188 433	58 945	55 593
Oats								
Area.....	203 842	6 966	24 926	26 025	65 180	50 960	17 194	12 591
Mixed grain								
Area.....	264 339	11 700	41 308	45 474	97 566	57 436	9 172	1 683
Leguminous crops for grain								
Area.....	6 077	148	191	367	1 375	1 807	765	1 424
Potatoes								
Area.....	87 063	3 094	9 429	12 200	31 103	23 316	5 567	2 354
Turnips for feed								
Area.....	4 615	178	460	757	1 614	1 190	260	156
Mangolds for feed								
Area.....	12 215	1 724	2 891	1 902	3 551	1 599	317	231
Swedes for feed								
Area.....	195 988	6 491	29 936	30 389	70 166	44 056	10 010	4 940
Carrots for feed								
Area.....	531	21	57	99	201	67	57	29
Other tuber and root crops grown principally for feed								
Area.....	203 957	9 161	37 189	31 547	68 079	42 546	9 584	5 851
Sugar beet								
Area.....	55 247	2 467	6 192	4 945	15 664	13 839	5 116	7 024
Industrial crops³								
Area.....	13 569	87	108	500	1 862	3 448	2 248	5 316
Alfalfa								
Area.....	15 059	440	1 793	1 586	4 596	3 701	1 178	1 765
Other crops and mixed leguminous crops for green fodder								
Area.....	2 538	70	116	267	665	631	297	492

¹ Arable land, including strawberries for sale and permanent meadows and pastures. ² Including strawberries for sale. ³ Including flax harvested for fiber, linseed, mustard seed, hempseed, rapeseed and chicory.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY AGRICULTURAL AREA OF HOLDING

DENMARK

Classified by size of holding

	All sizes of holdings	0.55 and under 5 ha	5 and under 10 ha	10 and under 15 ha	15 and under 30 ha	30 and under 60 ha	60 and under 120 ha	120 ha and over
Clover and grass for hay								
Area.....	192 975	7 025	29 446	29 442	69 265	44 991	9 452	3 354
Clover and grass for grazing								
Area.....	441 885	16 456	62 415	62 727	153 469	107 646	27 561	11 611
Maize for silage								
Area.....	286	4	10	8	34	41	21	168
Other grain crops for green fodder and silage								
Area.....	860	12	49	119	264	179	112	125
Vegetables grown principally for sale⁴								
Area.....	9 968	2 897	2 467	1 348	1 324	948	493	491
Crops grown for seed								
Area.....	64 878	332	844	1 675	12 517	17 664	11 542	20 304
Other crops on arable land								
Area.....	1 220	59	128	241	405	212	115	60
Permanent meadows and pastures								
Permanent grassland cut for hay (area).....	38 588	659	4 173	5 188	13 414	11 128	2 286	1 740
3 - LIVESTOCK AND POULTRY⁵								
Horses								
Total number of horses.....	211 755	18 820	64 438	38 001	51 605	29 085	6 452	3 354
Horses under 3 years of age.....	30 346	619	5 407	4 866	9 102	7 287	2 028	1 037
Young stock under 1 year of age.....	(16 072)	(363)	(3 146)	(3 136)	(4 994)	(3 325)	(805)	(303)
Young stock 1 year of age and under 3 years.....	(14 274)	(256)	(2 261)	(1 730)	(4 108)	(3 962)	(1 223)	(734)
Horses 3 years of age and over	181 409	18 201	59 031	33 135	42 503	21 798	4 424	2 317
Stallions.....	(1 241)	(143)	(177)	(177)	(329)	(269)	(94)	(52)
Geldings.....	(61 933)	(8 227)	(22 848)	(11 328)	(12 108)	(5 295)	(1 319)	(808)
Mares.....	(118 235)	(9 831)	(36 006)	(21 630)	(30 066)	(16 234)	(3 011)	(1 457)
Cattle								
Total number of cattle.....	3 379 143	133 598	524 735	490 994	1 157 967	767 805	183 436	120 608
Bulls 1 year of age and over.....	(43 170)	(570)	(2 969)	(3 978)	(16 516)	(12 786)	(3 325)	(3 026)
Bullocks 1 year of age and over.....	(47 616)	(366)	(519)	(2 664)	(10 467)	(19 762)	(9 916)	(3 922)
Cows and heifers having calved	(1 433 285)	(70 636)	(258 554)	(221 332)	(476 798)	(290 686)	(67 275)	(48 004)
Heifers not having calved 1 year of age and over.....	(737 115)	(19 125)	(92 724)	(95 983)	(256 701)	(193 940)	(47 112)	(31 530)
Calves under 1 year of age..	(1 117 957)	(42 901)	(169 969)	(167 037)	(397 485)	(250 631)	(55 808)	(34 126)
Sheep								
Total number of sheep.....	41 989	1 935	2 402	6 683	12 298	8 524	7 073	3 074
Pigs								
Total number of pigs.....	6 073 782	277 625	1 000 974	908 442	2 083 633	1 352 755	305 655	144 698
Boars for service.....	(15 902)	(2 461)	(2 937)	(1 213)	(4 311)	(3 416)	(1 011)	(553)
Sows.....	(670 577)	(41 777)	(132 024)	(109 079)	(220 545)	(123 791)	(28 869)	(14 492)
Suckling pigs.....	(1 515 499)	(99 955)	(312 669)	(243 347)	(499 659)	(267 466)	(60 739)	(31 664)
All other pigs for breeding or fattening.....	(3 871 804)	(133 432)	(553 344)	(554 803)	(1 359 118)	(958 082)	(215 036)	(97 989)
Poultry								
Number of chickens.....	26 505 980	4 048 146	6 095 836	3 924 958	7 386 707	3 420 830	1 117 743	511 760
Under 6 months of age.....	(15 592 113)	(2 316 449)	(3 613 732)	(2 212 141)	(4 229 754)	(1 934 488)	(862 796)	(422 753)
6 months of age and over..	(10 913 867)	(1 731 697)	(2 482 104)	(1 712 817)	(3 156 953)	(1 486 342)	(254 947)	(89 007)
Other poultry								
Number of turkeys.....	73 513	6 692	13 495	7 452	12 613	17 647	11 878	3 736
Number of ducks.....	760 591	107 112	134 376	92 779	210 364	58 173	146 354	11 433
Number of geese.....	274 704	42 911	52 429	36 215	79 478	39 146	19 814	4 711

⁴ Including 1.068 ha under strawberries. ⁵ Size class "0.55 and under 5 ha" includes information on holdings without land.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1949 AND 1959

DENMARK

	1949	1959		1949	1959
0 - HOLDER, HOLDING AND TENURE			Swedes for feed		
Number and agricultural area ¹ of holdings, by size			Area.	196 984	195 988
All sizes of holdings			Sugar beet		
Number.	206 635	196 506	Number of holdings reporting	20 040	24 658
Area.	3 157 492	3 108 267 ¹	Area.	63 106	55 247
Holdings 0.55 and under 5 ha			Linseed		
Number.	45 774	37 584	Area.	12 150	1 116
Area.	134 801	108 234	Clover and grasses for hay		
Holdings 5 and under 10 ha			Area.	212 068	192 975
Number.	55 677	54 405	Permanent meadows and pastures		
Area.	409 633	391 496	Permanent grassland cut for hay (area).	75 894	38 588
Holdings 10 and under 15 ha					
Number.	31 343	32 631			
Area.	388 138	394 553			
Holdings 15 and under 30 ha			3 - LIVESTOCK AND POULTRY²		
Number.	50 422	48 485	Horses		
Area.	1 053 368	1 028 014	Number of horses.	520 447	211 755
Holdings 30 and under 60 ha			Cattle		
Number.	19 574	19 649	Number of cattle.	2 901 624	3 379 143
Area.	755 808	776 392	Sheep		
Holdings 60 and under 120 ha			Number of sheep.	64 378	41 989
Number.	2 492	2 891	Pigs		
Area.	226 849	225 953	Number of pigs.	2 663 574	6 073 782
Holdings 120 ha and over			Poultry		
Number.	903	861	Number of chickens.	23 692 905	26 505 980
Area.	188 895	183 625	Other poultry		
			Number of turkeys.	38 889	73 513
2 - CROPS - AREA			Number of ducks.	685 741	760 591
Crops on arable land			Number of geese.	340 544	274 704
Wheat			Fur-bearing animals³		
Number of holdings reporting	51 061	40 721	Foxes		
Area.	83 252	88 263	Number of foxes.	17 031	588
Rye			Minks		
Number of holdings reporting	112 778	61 104	Number of minks.	174 355	910 940
Area.	194 966	120 767			
Barley			6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
Area.	453 953	751 684	Tractors		
Oats			Number of holdings reporting. .	11 609	87 367
Area.	308 057	203 842	Number of tractors.	12 580	96 407
Mixed grain			Combines (harvester-threshers)		
Area.	285 354	264 339	Number of harvester-threshers. .	308	6 386
Potatoes					
Number of holdings reporting	149 561	103 717			
Area.	106 156	87 063			
Mangolds for feed					
Area.	48 156	12 215			

¹ Arable land, including strawberries for sale and permanent meadows and pastures. Land under permanent crops (14,762 ha) included in 1949. ² Includes information on holdings without land. ³ Information for 1949 was obtained on a holding enumeration basis, while for 1959, data were obtained through the Danish Association of Breeders of Fur-bearing Animals.

Date of the census and time reference

The census enumeration began on 4 April 1960. The bulk of the work was completed within two weeks.

Data for inventory items represent the situation existing on or about 1 April 1960. Data for area harvested and for quantities of crops harvested or gathered relate to the crop year 1959.

Method of collection and processing of census data

About two weeks before the start of the enumeration, census questionnaires were distributed through post offices to most households in rural areas and the farm operator was asked to fill the questionnaire and to give it to the enumerator when he called. The enumerator, however, was directly responsible for obtaining a questionnaire for each "place" requiring one.

The questionnaire used for the 1960 census of population and housing contained the questions: "Does anyone living in this house operate a holding?" If the answer was positive, the enumerator would then obtain a census questionnaire for the farm operator. If it was negative, he was instructed to ask whether any member of the household harvested or gathered any crops in 1959, kept any livestock or poultry or had a fishpond on 1 April 1960. A positive answer to any of these additional questions indicated that a census questionnaire was required. The enumerator was also instructed to inquire about uninhabited tracts of land to determine whether a census questionnaire was required for the person in charge of the land.

After the completion of enumeration, questionnaires were sent to the Agriculture Operations Office in Parsons, Kansas (U.S.A.). There, questionnaires that did not represent holdings according to the census definition were withdrawn from further processing.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

A holding was considered as any "place" on which crops were grown in 1959, or on which any livestock, or five or more poultry, were kept on or about 1 April 1960. The word "place" designates all land under the control of one person or partnership, exclusive of land used by the United States military services. Control may have been exercised through ownership or management or through a lease, rental, permit, squatter or governmental arrangements.

Total area of the holding. The area was calculated as the sum of the areas of land reported as owned, rented from others, used under permit, occupied on a squatter basis, and furnished by the Government in connection with living quarters, minus the area of land rented to others.

Tenure

Holdings owned by the holder or in ownerlike possession include holdings with all land owned or holdings where a part of the land is owned while the remainder consists of land operated on a permit and/or squatter, and/or government-furnished basis. Land owned is considered as all land that a holder, and/or his wife, holds under title, purchase contract, homestead law, or as heir or trustee of an undivided estate, excluding land used by the United States military services.

Holdings rented from others include those where all land is rented or leased from private owners, whether individuals, partnerships, or corporations, including land that is worked by the holder on shares for others.

Holdings operated by squatters include those where all land is occupied on a "borrower"

GUAM

basis with neither ownership rights to the land nor any kind of permit, lease, governmental or rental agreement.

1 - LAND UTILIZATION

Information on this subject was asked only for holdings with ten or more ares of area.

Cropland

This consists of all land used for temporary and permanent crops in 1959, cropland used only for pasture in 1959 or in the first quarter of 1960, idle cropland and land planted to soil-improvement crops not harvested. It includes also any unused land that could, in the opinion of the holder, be satisfactorily cleared, planted, and cultivated for the production of field crops, vegetables, fruit or nuts.

Pastureland

This includes land not under crops but:

- (a) used for the grazing of livestock in 1959 or in the first quarter of 1960;
- (b) that could, in the opinion of the holder, support enough plant growth for grazing, provided the clearing and grazing of the land would not seriously damage it.

All other land

This includes all land that did not qualify as either cropland or pastureland, such as house lots, barn lots, land area of ponds, ditches, swamps, steep slopes, cliffs, roads, brushland, wasteland, and forest areas.

2 - CROPS

The area from which an individual crop was harvested was asked only if the production on the holding amounted to at least 50 pounds (c 23 kg).

In cases where two or more crops, or two or more plantings of the same crop, were harvested in 1959 from the same land, the area was to be reported for each separate crop or planting, provided the total production on the holding amounted to at least 50 pounds.

For the fruit trees commonly grown on holdings, information was collected on the total production obtained in 1959, and also on the number of trees or plants, both bearing and nonbearing, that were on the holding on 1 April 1960. For breadfruit, betel nuts, coconuts, guavas, soursops and annonas, data represent total quantities harvested or gathered in 1959, both from land in the holding and from other land.

3 - LIVESTOCK AND POULTRY

Data refer to all livestock and poultry on holdings as of 1 April 1960 regardless of ownership. Livestock running loose or grazing on public land was reported as being on the holding operated by the person who has control over them.

* * *

SOURCE: United States. Department of Commerce, Bureau of the Census. *United States census of agriculture 1959*. Volume I, Part 52, *Guam*. Washington, D.C., 1961. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume I, *Census results by countries*, Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

GUAM

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	2 028
Area	12 994

Number and area of holdings, by tenure

Holdings operated under one form of tenure

Holdings owned by the holder or in owner-like possession

Number	1 253
Area	10 420

Holdings rented from others

Number	72
Area	316

Holdings operated by squatters

Number	355
Area	953

Holdings operated under more than one form of tenure

Number	348
Area	1 305

1 - LAND UTILIZATION

Utilization of land in holdings

Cropland

Number of holdings reporting	1 360
Area	6 887

Pastureland

Number of holdings reporting	348
Area	3 434

All other land

Number of holdings reporting	881
Area	2 673

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Rice

Number of holdings reporting	2
Area	3
Production	3

Maize

Number of holdings reporting	100
Area	30
Production	20

Beans (mungo)

Number of holdings reporting	4
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Manioc (cassava)

Number of holdings reporting	244
Area	24
Production	43

Sweet potatoes

Number of holdings reporting	160
Area	24
Production	31

Cocoyams (taro)

Number of holdings reporting	501
Area	59
Production	77

Yams

Number of holdings reporting	301
Area	15
Production	44

Peppers

Number of holdings reporting	149
Area	5
Production	7

Cabbage (Chinese)

Number of holdings reporting	95
Area	10
Production	20

Lettuce

Number of holdings reporting	7
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Watermelons and melons

Area	42
Production	72

Pumpkins

Number of holdings reporting	115
Area	12
Production	20

Cucumbers

Number of holdings reporting	110
Area	35
Production	76

Eggplants

Number of holdings reporting	370
Area	21
Production	30

Tomatoes

Number of holdings reporting	106
Area	11
Production	14

Green onions

Number of holdings reporting	106
Area	8
Production	10

Radishes

Number of holdings reporting	54
Area	2
Production	4

Beans (green)

Number of holdings reporting	240
Area	28
Production	23

Maize (green)

Number of holdings reporting	102
Area	26
Production	25

Permanent crops

Oranges

Number of holdings reporting	407
Number of trees	2 178
Production	16

Tangerines

Number of holdings reporting	422
Number of trees	3 372
Production	31

Lemons and limes

Number of holdings reporting	602
Number of trees	3 431
Production	24

Area: in hectares
Production: in metric tons
(unless otherwise specified)

GUAM

Not classified by size of holding

Grapefruit

Number of holdings reporting	76
Number of trees	228
Production	2

Breadfruit ¹

Number of holdings reporting	513
Production	143

Mangoes

Number of holdings reporting	498
Number of trees	2 320
Production	66

Avocados

Number of holdings reporting	474
Number of trees	2 798
Production	19

Annonas ¹

Number of holdings reporting	46
Production	2

Custard apples

Number of holdings reporting	11
Number of trees	159

Guavas ¹

Number of holdings reporting	177
Production	5

Soursops ¹

Number of holdings reporting	182
Production	7

Betel nuts ¹

Number of holdings reporting	161
Production	17

Bananas

Number of holdings reporting	889
Number of hills	83 593
Production	157

Plantains

Number of holdings reporting	851
Number of hills	70 094
Production	143

Pineapples

Number of holdings reporting	165
Number of plants	77 816
Production	22

Papayas

Number of holdings reporting	417
Number of trees	6 643
Production	35

Coffee

Number of trees	232
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Coconuts ¹

Number of holdings reporting	882
Production	505

3 - LIVESTOCK AND POULTRY

Horses

Number of holdings reporting	36
Number of horses	124

Cattle

Number of holdings reporting	1 021
Total number of cattle	5 860

Milk cows ²

Number of holdings reporting	147
Number of milk cows	305

Other cattle

Number of holdings reporting	992
Number of other cattle	5 555

Buffaloes (carabaos)

Number of holdings reporting	293
Number of buffaloes	984

Goats

Number of holdings reporting	456
Number of goats	2 592

Pigs

Number of holdings reporting	1 220
Number of pigs	7 118

Poultry

Chickens 4 months of age and over

Number of holdings reporting	1 879
Number of chickens	137 071

Ducks

Number of holdings reporting	159
Number of ducks	2 137

Pigeons

Number of holdings reporting	71
Number of pigeons	2 048

¹ Data represent total quantities harvested or gathered in 1959, both from land in the holding and from other land. ² Cows milked at any time in 1959 or in 1960 up to the date of the enumeration.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

GUAM

Classified by size of holding

	All sizes of holdings	Under 1 ha	1 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 ha and over
0 - HOLDER, HOLDING AND TENURE							
Number and area of holdings							
Number	2 028	815	917	130	86	56	24
Percentage distribution	100.0	40.2	45.2	6.4	4.2	2.8	1.2
Area	12 994	136	2 078	874	1 142	1 699	7 065
Percentage distribution	100.0	1.0	16.0	6.7	8.8	13.1	54.4
Number and area of holdings, by tenure							
Holdings operated under one form of tenure							
Holdings owned by the holder or in ownerlike possession							
Number	1 253	614	421	89	63	49	17
Area	10 420	87	872	608	868	1 534	6 451
Holdings rented from others							
Number	72	19	42	2	4	3	2
Area	316	4	84	11	54	61	102
Holdings operated by squatters							
Number	355	155	169	17	8	3	3
Area	953	36	299	113	95	60	350
Holdings operated under more than one form of tenure							
Number	348	27	285	22	11	1	2
Area	1 305	9	823	142	125	44	162
1 - LAND UTILIZATION							
Utilization of land in holdings							
Cropland							
Number of holdings reporting	1 360	284	803	121	79	52	21
Area	6 887	76	1 289	546	597	850	3 529
Pastureland							
Number of holdings reporting	348	46	185	44	36	25	12
Area	3 434	9	313	174	303	493	2 142
All other land							
Number of holdings reporting	881	251	452	74	52	36	16
Area	2 673	51	476	154	242	356	1 394
2 - CROPS - AREA AND PRODUCTION							
Crops on arable land							
Maize							
Number of holdings reporting	100	16	55	13	5	10	1
Area	30	2	14	5	1	4	4
Production	20	2	11	3	1	3	—
Cocoyams (taro)							
Number of holdings reporting	501	112	301	39	24	20	5
Area	59	5	36	8	3	6	1
Production	77	13	45	9	6	4	—
Cucumbers							
Number of holdings reporting	110	8	53	13	16	16	4
Area	35	—	6	5	7	16	1
Production	76	1	10	11	23	21	10
Permanent crops							
Oranges							
Number of holdings reporting	407	89	204	44	34	26	10
Number of trees	2 178	276	675	346	546	171	164
Production	16	1	6	3	3	3	—
Tangerines							
Number of holdings reporting	422	93	196	56	35	29	13
Number of trees	3 372	295	974	542	752	381	428
Production	31	2	12	6	5	4	2
Lemons and limes							
Number of holdings reporting	602	168	300	51	42	30	11
Number of trees	3 431	509	1 411	622	338	298	253
Production	24	4	11	3	3	2	1
Breadfruit ¹							
Number of holdings reporting	513	113	265	52	40	32	11
Production	143	19	69	21	16	14	4

¹ Data represent total quantities harvested or gathered in 1959, both from land in the holding and from other land.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

GUAM

Classified by size of holding

	All sizes of holdings	Under 1 ha	1 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 ha and over
Mangoes							
Number of holdings reporting	498	129	252	46	32	29	10
Number of trees	2 320	282	1 162	308	174	208	186
Production	66	10	32	12	6	5	1
Avocados							
Number of holdings reporting	474	116	238	47	37	25	11
Number of trees	2 798	430	994	500	353	237	284
Production	19	3	8	2	3	2	1
Guavas ¹							
Number of holdings reporting	177	36	100	18	12	10	1
Production	5	1	3	1	—	—	—
Soursops ¹							
Number of holdings reporting	182	20	98	28	17	13	6
Production	7	1	2	2	1	1	—
Betel nuts ¹							
Number of holdings reporting	161	38	68	17	20	11	7
Production	17	2	9	1	3	1	1
Bananas							
Number of holdings reporting	889	294	442	61	44	36	12
Number of hills	83 593	8 603	40 861	10 046	8 635	11 428	4 020
Production	157	24	69	18	18	15	13
Plantains							
Number of holdings reporting	851	243	460	57	47	31	13
Number of hills	70 094	7 218	43 122	8 035	5 831	3 673	2 215
Production	143	24	80	17	10	6	6
Pineapples							
Number of holdings reporting	165	28	98	18	11	8	2
Number of plants	77 816	1 158	15 991	11 109	47 750	1 638	170
Production	22	1	7	5	8	1	—
Papayas							
Number of holdings reporting	417	129	215	30	23	14	6
Number of trees	6 643	726	3 199	1 109	895	512	202
Production	35	4	10	14	2	3	2
Coconuts ¹							
Number of holdings reporting	882	233	460	76	57	43	13
Production	505	48	238	76	67	41	35
3 - LIVESTOCK AND POULTRY							
Horses							
Number of holdings reporting	36	4	14	4	6	2	6
Number of horses	124	21	54	8	7	4	30
Cattle							
Number of holdings reporting	1 021	334	469	89	66	44	19
Total number of cattle	5 860	858	1 695	456	492	716	1 643
Milk cows ²							
Number of holdings reporting	147	26	63	17	16	19	6
Number of milk cows	305	35	98	27	34	87	24
Other cattle							
Number of holdings reporting	992	330	450	87	64	42	19
Number of other cattle	5 555	823	1 597	429	458	629	1 619
Buffaloes (carabaos)							
Number of holdings reporting	293	60	152	30	26	17	8
Number of buffaloes	984	137	362	104	136	70	175
Goats							
Number of holdings reporting	456	160	217	39	18	14	8
Number of goats	2 592	635	990	272	259	233	203
Pigs							
Number of holdings reporting	1 220	453	559	89	58	44	17
Number of pigs	7 118	1 782	2 632	870	720	523	591
Poultry							
Chickens 4 months of age and over							
Number of holdings reporting	1 879	738	866	124	82	50	19
Number of chickens	137 071	34 824	54 622	17 872	13 272	6 251	10 230

¹Data represent total quantities harvested or gathered in 1959, both from land in the holding and from other land. ²Cows milked at any time in 1959 or in 1960, up to the date of enumeration.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

GUAM

	1950	1960		1950	1960
0 - HOLDER, HOLDING AND TENURE			Cocoyams (taro)		
Number and area of holdings, by size			Number of holdings reporting	521	501
All sizes of holdings			Area	77	59
Number	2 262	2 028	Production.....	127	77
Area	10 025	12 994	Permanent crops		
Holdings under 1 ha			Tangerines		
Number	860	815	Number of holdings reporting	404	422
Area	149	136	Number of trees	1 995	3 372
Holdings 1 and under 5 ha			Mangoes		
Number	1 001	917	Number of holdings reporting	461	498
Area	2 164	2 078	Number of trees	1 758	2 320
Holdings 5 and under 10 ha			Bananas and plantains		
Number	211	130	Number of hills	142 222	153 687
Area	1 362	874	Pineapples		
Holdings 10 and under 20 ha			Number of holdings reporting ..	169	165
Number	119	86	Number of plants	35 603	77 816
Area	1 535	1 142	Papayas		
Holdings 20 and under 50 ha			Number of holdings reporting ..	178	417
Number	55	56	Number of trees.....	2 211	6 643
Area	1 599	1 699	3 - LIVESTOCK AND POULTRY		
Holdings 50 ha and over			Cattle		
Number	16	24	Number of holdings reporting ..	801	1 021
Area	3 216	7 065	Number of cattle	2 847	5 860
Average size of holding.....	4.4	6.4	Buffaloes (carabaos)		
2 - CROPS - AREA AND PRODUCTION			Number of holdings reporting ..	375	293
Crops on arable land			Number of buffaloes	679	1 984
Maize ¹			Goats		
Area	279	56	Number of holdings reporting ..	259	456
Production.....	259	45	Number of goats.....	748	2 592
			Pigs		
			Number of holdings reporting ..	1 545	1 220
			Number of pigs	7 056	7 118
			Chickens		
			Number of holdings reporting ..	2 164	1 879
			Number of chickens	132 781	137 071 ²

¹ Including green maize. ² Chickens 4 months of age and over.

Date of the census and time reference

Enumeration of villages which had less than 1,000 households in the 1956 population census started on 2 October 1960 and was completed 70 days later. Enumeration of urban areas, that is, those with 1,000 up to 10,000 households, was conducted from the end of December 1961 to the earlier part of March 1962. Nomadic tribes were enumerated during August and September 1961.

Agricultural census data generally refer to the year 1960.

Method of collection and processing of census data

The agricultural census was carried out on a sample enumeration basis. The sample selection was two-stage with villages or clusters of small villages as primary units and households as secondary sampling units.

Villages were classified according to the locality and characteristics of the agricultural production and subclassified into zones of about 6,000 households. Four sample villages were selected from each zone with probability proportional to the number of households in the villages and with replacement.

Households in the selected villages were listed and grouped according to their form of tenure and occupation:

1. Share-tenants.
2. Owner-operators and tenants with fixed rents.
3. Agricultural laborers and other wage laborers.
4. Nonagricultural occupation.

For each sample village having less than 200 households, approximately 10 households were

selected from this list systematically. In the case of sample villages with 200 and more households, villages were divided into blocks about equal in size. A count was carried out of the number of doors in each block and the selection of one block was made with probability proportional to the number of doors of each block. From the selected block about 10 households were systematically selected for the sample.

Larger holdings in selected villages were completely enumerated. Larger holdings for census purposes were considered those with:

- (a) more than 30 ha of unirrigated land under temporary crops, except rice or melons;
- (b) more than 20 ha of irrigated land under temporary crops, except rice or melons;
- (c) more than 6 ha of land under rice or melons;
- (d) more than 3 ha under permanent crops.

The sample design for the enumeration of nomadic tribes was similar to that used for the selection of holdings in villages, a branch of the "tribes" being the primary sampling unit. For the enumeration of urban areas, the sample design was the same as that applied to villages with more than 200 households.

The enumeration was principally carried out by interview. In villages where there was no notion of area units, information on areas of crops on arable land was based on the amount of seed sown. To obtain suitable factors for converting these data into area units two fields in each sample village were selected for each of the major crops and their areas were measured. The same rule of measuring areas of two fields in each sample village was applied in the case of major permanent crops to convert local area units into metric ones.

Punched cards and transcription of data into intermediate tables were checked on a 100 percent basis.

¹ Cities which had more than 10,000 households in the 1956 population census were excluded from the census.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

A holder was defined as the civil or juridical person who has the economic and technical initiative and responsibility for the operation of the holding and who operates the holding directly or through a hired manager. Whenever that responsibility was shared between two or more related or associated persons, they were considered as a single holder for the purpose of the census.

Holding

A holding was considered as all land used wholly or partly for agricultural production and operated by one person (the holder) alone or with the assistance of others, without regard to title, size or location. Livestock kept for agricultural purposes without agricultural land was considered as constituting a holding. Thus, establishments and other units not including any agricultural land, but producing livestock or livestock products (piggeries, hatcheries, poultry batteries, city dairies with livestock, livestock kept by nomadic tribes, rabbitries, apiaries, etc.), were also considered as holdings whether they were located in rural or urban areas. Establishments engaged exclusively in the production of forest products, fish, frogs, dogs or wild game, were not considered as agricultural holdings.

Agricultural production included the growing of field crops, fruit, grapes, nuts, seeds, tree nurseries (except those of forest trees), bulbs, vegetables and flowers, both in the open and under glass; production of coffee, tea, cocoa, rubber; the forest production in parcels of land which form part of the enumerated holding; and the production of livestock and livestock products, poultry and poultry products, honey, rabbits, fur-bearing animals, silkworm cocoons, etc.

Where several farm units shared the same technical or economic services (as on plantations, collective farms, co-operative farms, and similar establishments), the area of each unit was considered as a separate holding if a distinct area of land was assigned to the individual operator

and such operator shared in the agricultural products of that land, or if a specific group of livestock or poultry was assigned to the individual operator and such operator shared in the livestock or poultry products. However, when individuals, laborers, etc., on farms or plantations comprising several farm units were not assigned a distinct area of land or group of animals and had not received a share of the agricultural products derived therefrom, then the entire group of units was considered as a single holding.

When two or more establishments were under the same ownership and general direction, but the immediate management was done by different persons, they were considered as separate holdings.

Parcel. A parcel was considered as all land entirely surrounded by land of other holdings or by land not forming part of any holding.

Total area of the holding. The total area of the holding included the total of all land forming part of the unit which was under the same technical and economic responsibility.

1 - LAND UTILIZATION

Arable land

Arable land includes the area under (a) temporary crops, (b) temporary meadows, and (c) temporary fallow.

Land under temporary crops includes all land used for crops whose growing cycle is under one year and sometimes only a few months, and which must be newly sown or planted after the harvest of each crop (except forage crops).

Land under temporary meadows includes the land temporarily cultivated (up to five years) with forage crops for mowing or pasture.

Land temporarily fallow includes land resting for a period before it is planted again.

Land under permanent crops

This includes land cultivated with crops which occupy the land for a long period and do not need to be planted for many years after each harvest, such as tea, fruit trees, nuts and vines,

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with their respective nurseries, but excluding wood and timber and their nurseries.

Land under wood and nurseries

This includes the area under nonfruit trees, timber area and nurseries of forest trees.

2 - CROPS

In the table "Not classified by size of holding," data on areas of crops on arable land refer to the area harvested. In addition, the area sown has been indicated for rice and cotton. In the table: "Classified by size of holding," data refer to area sown only.

No allocation of the area was made for each of the component crops in the case of associated or mixed cultivation. The same procedure was followed for successive cultivation.

3 - LIVESTOCK AND POULTRY

Data refer to the number of animals found on the holding at the date of enumeration, regardless of ownership. However, information was obtained on their ownership.

4 - EMPLOYMENT IN AGRICULTURE

Data relate to the holder and members of his household 10 years of age and over, classified as to whether they were engaged only or mainly in agriculture or in nonagricultural activities. Main occupation was defined as the one on which a person was engaged most of his working time.

5 - FARM POPULATION

Figures on farm population include the holders and members of the holder's household.

A *household* was defined as one or more persons living in a single dwelling and having common eating arrangements. Persons who were temporarily absent from the household on a pleasure trip, a pilgrimage or a visit to relatives, or seasonally leaving their households for a job outside the village, but who intended to return, were considered as part of the household. Household members currently in prison or a hospital were excluded from that household.

Employees of hospitals, charitable institutions, boarding schools, or prisons, maintaining a permanent residence within these institutions, plus all inmates, patients and students thereof, were considered as members of the same household of their respective units.

A large place maintaining, for example, three separate and distinct eating arrangements or dwellings in which a single family was residing was classified as three separate households, regardless of the closeness of family relationships.

* * *

SOURCE: Iran. Ministry of the Interior, Department of Public Statistics, Office of Agricultural Statistics. *First national census of agriculture, Mehr 1339* (October 1960). Volume XV, *National summary report*. Tehran.

Area: in hectares

Production: in metric tons
(unless otherwise specified)

IRAN

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	1 877 299
Area ¹	11 356 254

Fragmentation

Number of parcels in the holdings reporting	11 432 987
Average number of parcels per holding.....	6.1

Number and area of holdings, by tenure

Holdings operated under one form of tenure

Holdings owned by the holder or in ownerlike possession

Number	624 283
Area	2 975 789

Holdings rented from others (total)

Number	1 049 478
Area	7 065 772

For a fixed amount of money and produce

Number	(235 271)
Area	(843 911)

For a share of the produce

Number	(814 207)
Area	(6 221 861)

Holdings operated under more than one form of tenure

Number	203 538
Area	1 314 693

Area in holdings, by tenure

Area owned by the holder or in ownerlike possession	3 222 145
Area rented from others	8 134 109

1 - LAND UTILIZATION

Utilization of land in holdings

Arable land

Number of holdings reporting ²	1 698 973
Area (total)	11 029 513
Temporary crops	(6 363 818)
Temporary meadows	(131 491)
Temporary fallow	(4 534 204)

Land under permanent crops

Number of holdings reporting	614 667
Area	290 923

Land under wood and nurseries

Number of holdings reporting	122 682
Area	35 818

Area of owned holdings, by land utilization

Arable land	3 032 629
Land under permanent crops	171 749
Land under wood and nurseries	17 767

Area of rented holdings, by land utilization

Arable land	7 996 884
Land under permanent crops	119 174
Land under wood and nurseries	18 051

2 - CROPS - AREA AND PRODUCTION

Crops on arable land³

Wheat (total)

Area	3 703 154
Production	2 923 657

Wheat under irrigation

Area	(1 389 133)
Production	(1 671 748)

Wheat not irrigated

Area	(2 314 021)
Production	(1 251 909)

Winter wheat

Area	(3 258 555)
Production	(2 732 203)

Spring wheat

Area	(444 599)
Production	(191 454)

Rice

Number of holdings reporting	267 105
Area sown	328 761
Area harvested	314 751
Production (paddy)	709 362

Millet and sorghum

Area (total)	29 551
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Millet

Area	14 386
Production	16 483

Millet under irrigation

Number of holdings reporting	38 674
Area	(9 102)
Production	(12 815)

Millet not irrigated

Number of holdings reporting	5 702
Area	(5 284)
Production	(3 668)

Sorghum

Area	15 167
Production	13 631

Sorghum under irrigation

Number of holdings reporting	22 350
Area	(7 150)
Production	(7 719)

Sorghum not irrigated

Number of holdings reporting	1 266
Area	(8 017)
Production	(5 912)

Barley (total)

Area	1 050 700
Production	808 571

Barley under irrigation

Area	(306 997)
Production	(361 614)

Barley not irrigated

Area	(743 703)
Production	(446 957)

Winter barley

Area	(697 913)
Production	(660 001)

Spring barley

Area	(352 787)
Production	(148 570)

Other cereals harvested for grain

Area (total)	11 748
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Under irrigation

Number of holdings reporting	13 848
Area	(6 803)

Not irrigated

Number of holdings reporting	9 600
Area	(4 945)

¹ Excludes 11,139,815 ha of "agricultural land" outside agricultural holdings, namely, 272,616 ha of land under temporary fallow, 6,740,675 ha of permanent meadows and pastures and 4,126,524 ha of cultivable land requiring minor improvements. ² Temporary crop. ³ Data on area refer to that harvested, unless otherwise specified.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

IRAN

Not classified by size of holding

Leguminous plants

Area (total).....	125 442
Under irrigation	
Number of holdings reporting.....	125 244
Area.....	(69 213)
Not irrigated	
Number of holdings reporting.....	128 727
Area.....	(56 229)

Potatoes

Area.....	20 110
Production.....	98 321

Sugarcane

Number of holdings reporting.....	1 071
Area.....	62
Production.....	41

Sugar beet

Number of holdings reporting.....	49 817
Area.....	46 234
Production.....	706 804

Cotton (total)

Area sown.....	312 537
Area harvested.....	295 150
Production (unginned).....	328 194
Cotton under irrigation	
Number of holdings reporting.....	144 621
Area sown.....	(165 774)
Area harvested.....	(154 309)
Production.....	(187 749)

Cotton not irrigated

Number of holdings reporting.....	76 183
Area sown.....	(146 763)
Area harvested.....	(140 841)
Production.....	(140 445)

Jute

Number of holdings reporting.....	16 561
Area.....	5 588
Production.....	5 646

Other fiber crops

Area.....	839
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Oilseed crops

Area (total).....	50 356
Under irrigation	
Number of holdings reporting.....	36 212
Area.....	(27 079)
Not irrigated	
Number of holdings reporting.....	20 240
Area.....	(23 277)

Tobacco (total)

Area.....	27 558
Production (dried leaves).....	16 222
Under irrigation	
Number of holdings reporting.....	40 961
Area.....	(19 784)
Production.....	(10 722)
Not irrigated	
Number of holdings reporting.....	12 360
Area.....	(7 774)
Production.....	(5 500)

Saffron

Number of holdings reporting.....	12 860
Area.....	1 169
Production.....	7

Other spices, aromatic and dye crops

Area (total).....	68 581
Under irrigation	
Number of holdings reporting.....	25 989
Area.....	(65 366)
Not irrigated	
Number of holdings reporting.....	3 686
Area.....	(3 215)

Alfalfa and sainfoin

Area (total).....	77 951
Under irrigation	
Number of holdings reporting.....	243 743
Area.....	(76 952)
Not irrigated	
Number of holdings reporting.....	2 550
Area.....	(999)

Other fodder crops

Area (total).....	52 403
Under irrigation	
Number of holdings reporting.....	126 694
Area.....	(30 233)
Not irrigated	
Number of holdings reporting.....	61 515
Area.....	(22 170)

Melons, cantaloupes, pumpkins, squash and cucumbers

Area (total).....	123 077
Under irrigation	
Number of holdings reporting.....	105 383
Area.....	(47 935)
Not irrigated	
Number of holdings reporting.....	53 091
Area.....	(75 142)

Vegetables

Area (total).....	25 800
Under irrigation	
Number of holdings reporting.....	125 998
Area.....	(21 048)
Not irrigated	
Number of holdings reporting.....	39 981
Area.....	(4 752)

Beet for seed

Number of holdings reporting.....	502
Area.....	1 339
Production.....	1 031

Permanent crops

Oranges

Number of holdings reporting.....	34 980
Production.....	23 902

Trees in compact plantations

Number of holdings reporting.....	24 671
Area (total).....	7 557
Number of trees (total).....	2 880 492
Trees of productive age	
Area.....	(2 327)
Number of trees.....	(895 038)
Trees of nonproductive age	
Area.....	(5 230)
Number of trees.....	(1 985 454)

Scattered trees

Number of holdings reporting.....	10 309
Number of trees (total).....	47 678
Trees of productive age.....	(20 859)
Trees of nonproductive age.....	(26 819)

Area: in hectares

Production: in metric tons
(unless otherwise specified)

IRAN

Not classified by size of holding

Mandarins

Number of holdings reporting	4 092
Production	762
Trees in compact plantations	
Number of holdings reporting	3 942
Area (total)	209
Number of trees (total)	76 374
Trees of productive age	
Area	(73)
Number of trees	(32 124)
Trees of nonproductive age	
Area	(136)
Number of trees	(44 250)
Scattered trees	
Number of holdings reporting	150
Number of trees of productive age	150

Other citrus trees

Number of holdings reporting	43 801
Trees in compact plantations	
Number of holdings reporting	31 040
Area (total)	4 966
Number of trees (total)	2 009 240
Trees of productive age	
Area	(1 340)
Number of trees	(541 820)
Trees of nonproductive age	
Area	(3 626)
Number of trees	(1 467 420)
Scattered trees	
Number of holdings reporting	13 661
Number of trees (total)	65 722
Trees of productive age	(47 550)
Trees of nonproductive age	(18 172)

Apples

Number of holdings reporting	105 814
Production	22 910
Trees in compact plantations	
Number of holdings reporting	81 446
Area (total)	13 332
Number of trees (total)	8 192 820
Trees of productive age	
Area	(8 562)
Number of trees	(5 640 269)
Trees of nonproductive age	
Area	(4 770)
Number of trees	(2 552 551)
Scattered trees	
Number of holdings reporting	25 418
Number of trees (total)	150 148
Trees of productive age	(113 324)
Trees of nonproductive age	(36 824)

Pears, quinces, meddlars and other pome fruits

Number of holdings reporting	65 942
Trees in compact plantations	
Number of holdings reporting	36 496
Area (total)	6 009
Number of trees (total)	2 012 256
Trees of productive age	
Area	(4 493)
Number of trees	(1 388 661)
Trees of nonproductive age	
Area	(1 516)
Number of trees	(623 595)
Scattered trees	
Number of holdings reporting	29 925
Number of trees (total)	151 857
Trees of productive age	(114 465)
Trees of nonproductive age	(37 392)

Apricots, cherries, peaches, plums and other stone fruit

Number of holdings reporting	205 338
Trees in compact plantations	
Number of holdings reporting	150 603
Area (total)	28 742
Number of trees (total)	16 131 442
Trees of productive age	
Area	(20 971)
Number of trees	(11 637 100)
Trees of nonproductive age	
Area	(7 771)
Number of trees	(4 494 342)

Scattered trees

Number of holdings reporting	56 348
Number of trees (total)	424 267
Trees of productive age	(335 192)
Trees of nonproductive age	(89 075)

Dates

Number of holdings reporting	102 998
Production	145 651
Trees in compact plantations	
Number of holdings reporting	87 098
Area (total)	54 895
Number of trees (total)	10 030 350
Trees of productive age	
Area	(41 548)
Number of trees	(7 456 175)
Trees of nonproductive age	
Area	(13 347)
Number of trees	(2 574 175)

Scattered trees

Number of holdings reporting	22 650
Number of trees (total)	489 750
Trees of productive age	(406 950)
Trees of nonproductive age	(82 800)

Figs, mulberries, pomegranates and persimmons

Number of holdings reporting	166 504
Trees in compact plantations	
Number of holdings reporting	113 517
Area (total)	21 251
Number of trees (total)	14 162 122
Trees of productive age	
Area	(17 523)
Number of trees	(10 366 441)
Trees of nonproductive age	
Area	(3 728)
Number of trees	(3 795 681)
Scattered trees	
Number of holdings reporting	54 799
Number of trees (total)	279 838
Trees of productive age	(248 685)
Trees of nonproductive age	(31 153)

Almonds

Number of holdings reporting	95 586
Production	13 585
Trees in compact plantations	
Number of holdings reporting	84 006
Area (total)	29 206
Number of trees (total)	14 039 108
Trees of productive age	
Area	(26 297)
Number of trees	(12 238 556)
Trees of nonproductive age	
Area	(2 909)
Number of trees	(1 800 552)

Scattered trees

Number of holdings reporting	11 730
Number of trees (total)	239 376
Trees of productive age	(214 926)
Trees of nonproductive age	(24 450)

Walnuts and hazelnuts

Number of holdings reporting	93 769
Trees in compact plantations	
Number of holdings reporting	45 486
Area (total)	3 335
Number of trees (total)	795 944
Trees of productive age	
Area	2 175
Number of trees	503 090
Trees of nonproductive age	
Area	1 160
Number of trees	292 854

Scattered trees

Number of holdings reporting	48 883
Number of trees (total)	230 824
Trees of productive age	(189 619)
Trees of nonproductive age	(41 205)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

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Not classified by size of holding

Pistachio

Number of holdings reporting	9 707
Production	4 770
Trees in compact plantations	
Number of holdings reporting	9 107
Area (total)	24 787
Number of trees (total)	12 726 465
Trees of productive age	
Area	(4 457)
Number of trees	(2 198 940)
Trees of nonproductive age	
Area	(20 330)
Number of trees	(10 527 525)
Scattered trees	
Number of holdings reporting	600
Number of trees (total)	4 050
Trees of productive age	(2 250)
Trees of nonproductive age	(1 800)

Grapes

Number of holdings reporting	318 389
Vines in compact plantations	
Number of holdings reporting	302 592
Area (total)	81 587
Area of vines of productive age	(74 456)
Area of vines of nonproductive age	(7 131)
Production	335 398
Scattered vines	
Number of holdings reporting	15 949
Number of vines (total)	71 714
Vines of productive age	(66 314)
Vines of nonproductive age	(5 400)

Tea

Number of holdings reporting	23 157
Area (total)	11 874
Area of trees of productive age	(10 825)
Area of trees of nonproductive age	(1 049)
Production (green leaves)	26 595

Olives

Number of holdings reporting	1 650
Production	863
Trees in compact plantations	
Number of holdings reporting	1 500
Area (total)	484
Number of trees (total)	103 050
Trees of productive age	
Area	(455)
Number of trees	(95 400)
Trees of nonproductive age	
Area	(29)
Number of trees	(7 650)
Scattered trees	
Number of holdings reporting	150
Number of trees of nonproductive age	600

Other permanent crops

Number of holdings reporting	33 513
Trees in compact plantations	
Number of holdings reporting	22 981
Area (total)	2 689
Number of trees (total)	556 916
Trees of productive age	
Area	(2 462)
Number of trees	(422 322)
Trees of nonproductive age	
Area	(227)
Number of trees	(134 594)
Scattered trees	
Number of holdings reporting	10 687
Number of trees (total)	90 304
Trees of productive age	(82 200)
Trees of nonproductive age	(8 104)

Successive and mixed cultivation of temporary and/or permanent crops

Number of holdings reporting	1 877 299
Area (total)	45 328
Irrigated	(16 461)
Not irrigated	(28 867)

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Horses

Number of holdings reporting	253 491
Total number of horses	347 126
Owned	(338 381)
Not owned	(8 745)

Mules

Number of holdings reporting	73 032
Total number of mules	99 036
Owned	(98 736)
Not owned	(300)

Asses

Number of holdings reporting	1 390 522
Total number of asses	1 992 814
Owned	(1 974 264)
Not owned	(18 550)

Camels

Number of holdings reporting	65 692
Total number of camels	246 837
Owned	(237 837)
Not owned	(9 000)

Cattle

Number of holdings reporting	1 603 987
Total number of cattle	5 491 957
Owned	(5 289 341)
Not owned	(202 616)

Of which:

Number of cows	2 005 095
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Buffaloes

Number of holdings reporting	67 281
Total number of buffaloes	372 427
Owned	(353 002)
Not owned	(19 425)

Holdings reporting specified number of cattle and/or buffaloes

Total number of holdings reporting	1 620 303
1 head	(427 651)
2 to 4 head	(867 016)
5 to 10 head	(273 512)
11 to 20 head	(39 077)
21 to 50 head	(10 058)
51 head and over	(2 989)

Sheep

Number of holdings reporting	1 147 128
Total number of sheep	20 540 193
Owned	(17 565 012)
Not owned	(2 975 181)
Production of wool	14 547

Goats

Number of holdings reporting	1 199 475
Total number of goats	15 349 006
Owned	(13 207 766)
Not owned	(2 141 240)
Production of goat's hair	4 982

Pigs

Number of holdings reporting	1 050
Number of pigs	4 650

Poultry

Chickens

Number of holdings reporting	1 913 981
Number of chickens	14 155 138

Other poultry

Number of holdings reporting	171 743
Number of other poultry	922 813

Bees

Number of holdings reporting	35 058
Number of beehives	267 081
Production of honey	732

Area: in hectares
Production: in metric tons
(unless otherwise specified)

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Not classified by size of holding

Silkworms	
Number of holdings reporting	14 489
Production of fresh cocoons	610

4 - EMPLOYMENT IN AGRICULTURE

Persons employed in agricultural work on the holding⁴

Holders and members of their households ⁵	
All persons	3 742 352
Persons employed in agricultural work only	3 280 634
Male	(2 902 226)
Female	(378 408)
Persons mainly employed in agricultural work	165 801
Male	(136 813)
Female	(28 988)
Persons mainly employed in nonagricultural work	295 917
Male	(287 463)
Female	(8 454)

5 - FARM POPULATION

Holders and members of the holder's household

All persons	12 095 880
Male	6 306 077
Under 15 years of age	(2 859 175)
15 years of age and over	(3 446 902)
Female	5 789 803
Under 15 years of age	(2 615 594)
15 years of age and over	(3 174 209)

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Use and source of power on the holding

Number of holdings reporting the use of:	
Mechanical power	70 566
Animal power	1 406 038
Animal and mechanical power	111 121
Human power only	289 574

Use of agricultural equipment

Number of holdings reporting use of tractors	
Owned by the holder	5 633
Provided by the landlord or others	171 404
Provided by a co-operative	1 350
Provided by the Government	3 300
Number of holdings reporting use of seed drills	14 918

7 - IRRIGATION AND DRAINAGE

Land actually irrigated

Area	4 650 870
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8 - FERTILIZERS AND SOIL DRESSINGS

Application of fertilizers

Area treated	1 103 192
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⁴ In addition, the following information relating to households not operating a holding, was given in the national report:

Persons 10 years of age and over engaged in agricultural work (total)	177 600
Engaged in agriculture only	155 850
Male	(138 600)
Female	(17 250)
Mainly engaged in agriculture	11 100
Male	(9 300)
Female	(1 800)
Mainly engaged in nonagricultural work	10 650
Male	(9 600)
Female	(1 050)

⁵ Ten years of age and over.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 0.5 ha ¹	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha
0 - HOLDER, HOLDING AND TENURE						
Number and area of holdings						
Number	1 877 299	312 791	179 515	256 496	208 471	144 356
Percentage distribution	100.0	16.7	9.6	13.7	11.1	7.7
Area ²	11 356 254	68 679	130 260	371 846	512 257	500 685
Percentage distribution	100.0	0.6	1.1	3.3	4.5	4.4
Fragmentation						
Number of parcels in the holdings reporting	11 432 987	795 473	666 297	1 076 134	971 123	813 297
Average number of parcels per holding	6.1	2.5	3.7	4.2	4.7	5.6
Number and area of holdings, by tenure						
Holdings operated under one form of tenure						
Holdings owned by the holder or in ownerlike possession						
Number	624 283	179 436	78 741	89 509	66 015	40 182
Area	2 975 789	35 856	56 885	128 451	161 507	139 326
Holdings rented from others (total)						
Number	1 049 478	112 805	77 111	138 457	122 231	85 574
Area	7 065 772	26 726	56 137	201 618	300 365	297 492
For a fixed amount of money and produce						
Number	(235 271)	(52 505)	(33 773)	(55 195)	(35 397)	(13 613)
Area	(843 911)	(12 163)	(24 546)	(79 307)	(84 412)	(45 952)
For a share of the produce						
Number	(814 207)	(60 300)	(43 338)	(83 262)	(86 834)	(71 961)
Area	(6 221 861)	(14 563)	(31 591)	(122 311)	(215 953)	(251 540)
Holdings operated under more than one form of tenure						
Number	203 538	20 550	23 663	28 530	20 225	18 600
Area	1 314 693	6 097	17 238	41 777	50 385	63 867
1 - LAND UTILIZATION						
Utilization of land in holdings						
Arable land						
Number of holdings reporting ³	1 698 973	180 929	156 411	243 280	204 562	142 102
Area (total)	11 029 513	42 719	105 167	339 078	485 509	476 286
Temporary crops	(6 363 818)	(36 212)	(87 189)	(270 763)	(364 214)	(330 776)
Temporary meadows	(131 491)	(1 880)	(3 232)	(5 949)	(5 444)	(6 779)
Temporary fallow	(4 534 204)	(4 627)	(14 746)	(62 366)	(115 851)	(138 731)
Land under permanent crops						
Number of holdings reporting	614 667	172 424	77 179	77 762	56 334	38 459
Area	290 923	24 762	24 382	31 347	22 651	21 345
Land under wood and nurseries						
Number of holdings reporting	122 682	16 500	5 225	8 325	13 800	10 459
Area	35 818	1 198	711	1 421	4 097	3 054
2 - CROPS - AREA AND PRODUCTION ⁴						
Crops on arable land						
Wheat and barley (total)						
Area	5 204 880	23 568	48 882	146 380	231 348	243 975
Wheat and barley under irrigation						
Number of holdings reporting	969 020	139 817	97 493	115 839	93 056	81 086
Area	(1 727 932)	(20 567)	(34 279)	(71 815)	(87 743)	(103 274)
Wheat and barley not irrigated						
Number of holdings reporting	915 574	13 700	30 885	86 860	107 922	82 940
Area	(3 476 948)	(3 001)	(14 603)	(74 565)	(143 605)	(140 701)
Rice						
Number of holdings reporting	267 105	25 313	42 255	70 012	50 417	21 651
Area	328 761	5 970	22 333	72 450	75 914	41 948
Production (paddy)	709 362	15 575	47 068	167 320	172 658	93 038

¹ For items on "Livestock and poultry," "Employment in agriculture" and "Farm population," this class includes 507,600 holdings without land. ² Excludes 11,139,815 ha of "agricultural land" outside agricultural holdings, namely, 272,616 ha of land under temporary fallow, 6,740,675 ha of permanent meadows and pastures and 4,126,524 ha of cultivable land requiring minor improvements. ³ Temporary crops. ⁴ Data refer to sown area.

TOTAL AREA OF HOLDING

Classified by size of holding

4 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 500 ha	500 ha and over	
							0 - HOLDER, HOLDING AND TENURE
							Number and area of holdings
121 630	340 037	223 757	77 714	8 446	3 770	316	Number
6.5	18.1	11.9	4.1	0.4	0.2	—	Percentage distribution
540 964	2 413 042	3 054 502	2 209 211	563 805	684 231	306 772	Area ²
4.8	21.2	26.9	19.5	5.0	6.0	2.7	Percentage distribution
							Fragmentation
757 169	2 669 281	2 416 309	1 033 236	134 788	91 651	8 229	Number of parcels in the holdings reporting
6.2	7.8	10.8	13.3	16.0	24.3	26.0	Average number of parcels per holding
							Number and area of holdings, by tenure
							Holdings operated under one form of tenure
							Holdings owned by the holder or in ownerlike possession
31 876	76 818	41 399	15 624	2 433	2 044	206	Number
141 344	540 738	561 299	478 977	166 208	386 282	178 916	Area
							Holdings rented from others (total)
75 653	218 759	158 264	53 826	5 192	1 601	5	Number
336 532	1 561 618	2 166 033	1 504 788	338 896	272 861	2 706	Area
							For a fixed amount of money and produce
(13 934)	(16 928)	(9 846)	(2 674)	(415)	(989)	(2)	Number
(61 630)	(114 713)	(129 112)	(76 708)	(28 753)	(185 460)	(1 155)	Area
							For a share of the produce
(61 719)	(201 831)	(148 418)	(51 152)	(4 777)	(612)	(3)	Number
(274 902)	(1 446 905)	(2 036 921)	(1 428 080)	(310 143)	(87 401)	(1 551)	Area
							Holdings operated under more than one form of tenure
14 101	44 460	24 094	8 264	821	125	105	Number
63 088	310 686	327 170	225 446	58 701	25 088	125 150	Area
							1 - LAND UTILIZATION
							Utilization of land in holdings
							Arable land
120 654	338 340	222 479	77 686	8 446	3 768	316	Number of holdings reporting ³
522 395	2 369 283	3 016 129	2 169 035	552 057	649 850	302 005	Area (total)
(342 012)	(1 374 777)	(1 603 627)	(1 119 600)	(294 725)	(345 569)	(194 354)	Temporary crops
(7 302)	(34 390)	(37 068)	(23 362)	(3 166)	(2 099)	(820)	Temporary meadows
(173 081)	(960 116)	(1 375 434)	(1 026 073)	(254 166)	(302 182)	(106 831)	Temporary fallow
							Land under permanent crops
31 465	87 097	53 237	17 514	1 624	1 336	236	Number of holdings reporting
15 765	36 819	31 145	37 052	10 543	30 579	4 533	Area
							Land under wood and nurseries
9 784	30 930	18 806	7 473	848	494	38	Number of holdings reporting
2 804	6 940	7 228	3 124	1 205	3 802	234	Area
							2 - CROPS - AREA AND PRODUCTION ⁴
							Crops on arable land
							Wheat and barley (total)
282 025	1 198 559	1 431 429	947 320	218 654	277 354	155 386	Area
							Wheat and barley under irrigation
68 902	195 983	123 991	45 623	4 943	2 054	233	Number of holdings reporting
(100 354)	(363 445)	(381 784)	(325 935)	(85 193)	(65 144)	(88 399)	Area
							Wheat and barley not irrigated
84 212	261 123	181 421	57 733	6 098	2 533	147	Number of holdings reporting
(181 671)	(835 114)	(1 049 645)	(621 385)	(133 461)	(212 210)	(66 987)	Area
							Rice
15 025	27 530	8 199	6 252	390	53	8	Number of holdings reporting
21 196	47 658	15 480	22 249	1 549	683	1 331	Area
44 337	96 894	30 427	34 795	2 251	1 762	3 237	Production (paddy)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 0.5 ha ¹	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha
Cotton (total)						
Area	312 537	2 507	5 557	18 814	26 097	16 654
Production (unginned)	328 194	3 361	5 669	16 773	22 556	15 792
Cotton under irrigation						
Number of holdings reporting	144 621	15 600	14 075	17 387	16 475	10 762
Area	(165 774)	(1 232)	(1 880)	(4 333)	(5 904)	(6 589)
Production	(187 749)	(2 208)	(2 556)	(4 395)	(6 570)	(8 056)
Cotton not irrigated						
Number of holdings reporting	76 183	5 250	9 308	18 738	15 929	6 794
Area	(146 763)	(1 275)	(3 677)	(14 481)	(20 193)	(10 065)
Production	(140 445)	(1 153)	(3 113)	(12 378)	(15 986)	(7 736)
Permanent crops						
Apples, pears and other pome fruit						
Trees in compact plantations						
Area (total)	19 341	1 339	1 483	1 677	1 753	1 159
Of trees of productive age	(13 055)	(766)	(1 063)	(1 067)	(1 196)	(890)
Of trees of nonproductive age	(6 286)	(573)	(420)	(610)	(557)	(269)
Apricots, cherries, peaches, plums and other stone fruit						
Trees in compact plantations						
Number of holdings reporting	150 603	38 106	20 628	17 625	11 700	9 676
Area (total)	28 742	2 611	2 854	2 833	1 445	2 005
Of trees of productive age	(20 971)	(2 096)	(2 253)	(2 323)	(1 156)	(1 799)
Of trees of nonproductive age	(7 771)	(515)	(601)	(510)	(289)	(206)
Dates						
Trees in compact plantations						
Number of holdings reporting	87 098	26 412	14 550	13 504	13 659	6 187
Area (total)	54 895	4 278	6 054	7 602	6 520	6 493
Of trees of productive age	(41 548)	(3 400)	(5 094)	(5 315)	(3 984)	(4 794)
Of trees of nonproductive age	(13 347)	(878)	(960)	(2 287)	(2 536)	(1 699)
Grapes						
Vines in compact plantations						
Number of holdings reporting	302 592	78 675	27 528	32 400	21 450	21 713
Area	81 587	10 389	6 709	8 740	5 569	4 750
Production	335 398	59 643	36 976	39 699	18 914	19 669
Tea						
Number of holdings reporting	23 157	5 700	6 000	6 150	2 550	1 050
Area	11 874	1 016	1 481	2 498	1 714	1 224
Production (green leaves)	26 595	2 244	3 669	4 839	3 636	2 254
Successive and mixed cultivation (temporary and/or permanent crops)						
Number of holdings reporting	1 877 299	312 791	179 515	256 496	208 471	144 356
Area (total)	45 328	3 057	2 992	3 707	6 942	1 938
Irrigated	(16 461)	(2 911)	(2 319)	(1 072)	(1 321)	(710)
Not irrigated	(28 867)	(146)	(673)	(2 635)	(5 621)	(1 228)
3 - LIVESTOCK AND POULTRY						
Horses, mules and asses						
Horses						
Number of horses	347 126	45 303	13 508	30 858	36 386	23 135
Mules						
Number of mules	99 036	15 978	4 575	6 873	6 526	6 318
Asses						
Number of asses	1 992 814	486 003	100 202	147 228	154 800	120 763
Camels						
Number of camels	246 837	104 550	28 200	15 960	12 525	7 950
Cattle						
Number of cattle	5 491 957	931 455	257 403	482 969	491 553	374 938
Buffaloes						
Number of buffaloes	372 427	115 950	7 526	23 700	24 150	13 200

¹ Items on "Livestock and poultry," "Employment in agriculture" and "Farm population," include 507,600 holdings without land.

TAL AREA OF HOLDING

Classified by size of holding

4 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 500 ha	500 ha and over	
13 335 11 110	50 293 43 484	49 121 56 940	54 632 57 288	15 908 12 518	33 194 63 928	26 425 18 775	Cotton (total) Area Production (unginned)
7 725 (4 359) (3 934)	25 191 (21 735) (22 611)	23 079 (30 457) (39 317)	10 847 (32 373) (35 559)	1 872 (11 485) (7 968)	1 412 (21 002) (38 770)	196 (24 425) (15 805)	Cotton under irrigation Number of holdings reporting Area Production
5 618 (8 976) (7 176)	10 317 (28 558) (20 873)	3 010 (18 664) (17 623)	880 (22 259) (21 729)	252 (4 423) (4 550)	84 (12 192) (25 158)	3 (2 000) (2 970)	Cotton not irrigated Number of holdings reporting Area Production
							Permanent crops
							Apples, pears and other pome fruit
1 787 (1 688) (99)	2 172 (1 629) (543)	3 108 (2 434) (674)	3 084 (1 836) (1 248)	349 (180) (169)	542 (291) (251)	888 (15) (873)	Trees in compact plantations Area (total) Of trees of productive age Of trees of nonproductive age
5 946 1 220 (808) (412)	23 209 3 072 (2 548) (524)	15 176 4 174 (2 765) (1 409)	6 912 4 155 (3 118) (1 037)	1 026 645 (443) (202)	471 3 173 (1 638) (1 535)	128 555 (24) (531)	Apricots, cherries, peaches, plums and other stone fruit Trees in compact plantations Number of holdings reporting Area (total) Of trees of productive age Of trees of nonproductive age
3 439 3 404 (1 797) (1 607)	6 550 6 877 (4 732) (2 145)	1 920 4 019 (3 219) (800)	483 465 (315) (150)	316 3 440 (3 315) (125)	70 5 739 (5 579) (160)	8 4 (4) (—)	Dates Trees in compact plantations Number of holdings reporting Area (total) Of trees of productive age Of trees of nonproductive age
17 525 4 564 21 282	54 062 11 930 45 461	37 125 11 445 56 029	10 300 10 149 28 028	1 008 3 898 7 047	648 705 1 777	158 2 739 873	Grapes Vines in compact plantations Number of holdings reporting Area Production
450 361 825	1 233 2 712 6 316	— — —	14 176 600	2 65 210	6 497 1 582	2 130 420	Tea Number of holdings reporting Area Production (green leaves)
121 630 3 494 (1 539) (1 955)	340 037 9 127 (1 753) (7 374)	223 757 7 266 (2 781) (4 485)	77 714 5 714 (1 128) (4 586)	8 446 229 (71) (158)	3 770 78 (72) (6)	316 784 (784) (—)	Successive and mixed cultivation (temporary and/or permanent crops) Number of holdings reporting Area (total) Irrigated Not irrigated
							3 - LIVESTOCK AND POULTRY
							Horses, mules and asses
18 961	69 461	57 642	38 734	7 748	4 703	687	Horses Number of horses
4 281	18 761	18 400	12 128	4 005	877	314	Mules Number of mules
116 194	352 523	297 252	179 215	26 166	11 653	815	Asses Number of asses
14 100	27 542	23 700	5 694	1 014	5 275	327	Camels Number of camels
315 837	1 059 596	929 947	487 656	72 277	72 928	15 398	Cattle Number of cattle
10 950	40 366	76 738	51 376	5 011	2 476	984	Buffaloes Number of buffaloes

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 0.5 ha ¹	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha
Number of holdings reporting specified number of cattle and/or buffaloes						
Total number of holdings reporting	1 620 303	335 541	109 190	191 534	166 608	125 078
1 head	(427 651)	(124 367)	(46 983)	(64 877)	(50 645)	(39 139)
2 to 4 head	(867 016)	(174 987)	(53 332)	(106 098)	(87 740)	(67 429)
5 to 10 head	(273 512)	(26 287)	(6 775)	(18 280)	(24 998)	(16 583)
11 to 20 head	(39 077)	(5 700)	(1 500)	(1 529)	(2 550)	(1 717)
21 to 50 head	(10 058)	(3 000)	(600)	(600)	(675)	(60)
51 head and over	(2 989)	(1 200)	(—)	(150)	(—)	(150)
Sheep						
Number of sheep	20 540 193	6 598 572	582 326	1 239 730	1 374 862	945 108
Goats						
Number of goats	15 349 006	5 850 693	701 550	973 540	1 012 149	776 350
Pigs						
Number of pigs	4 650	1 050	1 050	—	—	—
Poultry						
Number of chickens	14 155 138	3 557 627	987 615	1 795 675	1 570 638	1 017 681
Number of other poultry	922 813	171 450	47 134	148 118	191 490	80 214
4 - EMPLOYMENT IN AGRICULTURE						
Persons employed in agricultural work on the holding ⁵						
Holders and members of their households ⁶						
All persons	3 742 352	985 034	278 851	453 988	375 991	250 991
Persons employed in agricultural work only	3 280 634	652 259	252 151	421 513	359 265	243 011
Male	(2 902 226)	(594 284)	(205 519)	(324 088)	(284 398)	(207 647)
Female	(378 408)	(57 975)	(46 632)	(97 425)	(74 867)	(35 364)
Persons mainly employed in agricultural work	165 801	57 825	19 050	25 575	13 876	7 530
Male	(136 813)	(53 025)	(17 400)	(19 275)	(11 926)	(6 330)
Female	(28 988)	(4 800)	(1 650)	(6 300)	(1 950)	(1 200)
Persons mainly employed in nonagricultural work	295 917	274 950	7 650	6 900	(2 850)	450
Male	(287 463)	(267 750)	(7 650)	(6 150)	(2 550)	(450)
Female	(8 454)	(7 200)	(—)	(750)	(300)	(—)
5 - FARM POPULATION						
Holders and members of the holder's household						
All persons	12 095 880	3 565 402	848 779	1 285 497	1 047 830	768 965
Male	6 306 077	1 842 815	441 431	655 436	547 497	395 158
Under 15 years of age	(2 859 175)	(826 003)	(207 686)	(296 194)	(248 643)	(180 416)
15 years of age and over	(3 446 902)	(1 016 812)	(233 745)	(359 242)	(298 854)	(214 742)
Female	5 789 803	1 722 587	407 348	630 061	500 333	373 807
Under 15 years of age	(2 615 594)	(761 728)	(185 671)	(292 812)	(222 799)	(176 102)
15 years of age and over	(3 174 209)	(960 859)	(221 677)	(337 249)	(277 534)	(197 705)
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES						
Use and source of power on the holding						
Number of holdings reporting the use of:						
Mechanical power	70 566	1 650	5 700	15 381	9 904	6 150
Animal power	1 406 038	120 992	119 465	199 284	178 633	123 935
Animal and mechanical power	111 121	1 725	3 675	9 575	12 550	9 785
Human power only	289 574	188 424	50 675	32 256	7 384	4 486
Use of agricultural equipment						
Number of holdings reporting the use of tractors						
Owned by the holder	5 633	—	—	—	450	—
Provided by the landlord or others	171 404	3 375	8 025	24 806	21 704	15 935
Provided by a co-operative	1 350	—	—	—	—	—
Provided by the Government	3 300	—	1 350	150	300	—
Number of holdings reporting use of seed drills	14 918	300	1 425	4 275	3 529	900
7 - IRRIGATION AND DRAINAGE						
Land actually irrigated						
Area	4 650 870	59 961	101 162	237 508	262 319	253 755

¹ Items on "Livestock and poultry," "Employment in agriculture" and "Farm population," include 507,600 holdings without land.
⁵ See footnote 4 in table "Not classified by size of holding." ⁶ Ten years of age and over.

IRAN

TOTAL AREA OF HOLDING

Classified by size of holding

4 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 500 ha	500 ha and over	
102 264 (25 710) (58 918) (15 749) (1 462) (425) (—)	304 734 (53 187) (175 567) (69 815) (5 826) (334) (5)	204 587 (19 447) (109 936) (65 379) (7 847) (1 512) (466)	69 401 (2 834) (30 036) (26 742) (7 678) (1 806) (305)	7 869 (312) (2 023) (2 276) (2 540) (715) (3)	3 218 (150) (897) (555) (661) (297) (658)	279 (—) (53) (73) (67) (34) (52)	Number of holdings reporting specified number of cattle and/or buffaloes Total number of holdings reporting 1 head 2 to 4 head 5 to 10 head 11 to 20 head 21 to 50 head 51 head and over Sheep Number of sheep Goats Number of goats Pigs Number of pigs Poultry Number of chickens Number of other poultry
839 900	3 253 780	3 229 951	1 734 845	365 892	308 924	66 303	
559 743	2 617 838	1 692 406	778 223	216 238	163 610	6 666	
—	600	—	1 950	—	—	—	
717 250 45 851	2 087 310 93 194	1 542 562 64 264	679 788 47 816	100 862 19 855	85 300 6 977	12 830 6 450	
202 667 197 240 (181 892) (15 348) 4 977 (4 227) (750) 450 (450) (—)	571 095 550 001 (516 560) (33 441) 19 571 (12 971) (6 600) 1 523 (1 523) (—)	417 063 406 688 (394 149) (12 539) 10 022 (6 272) (3 750) 353 (203) (150)	171 227 164 333 (160 023) (4 310) 6 487 (4 537) (1 950) 407 (353) (54)	25 307 24 691 (24 287) (404) 511 (511) (—) 105 (105) (—)	9 488 8 835 (8 784) (51) 374 (336) (38) 279 (279) (—)	650 647 (595) (52) 3 (3) (—) — (—) (—)	4 - EMPLOYMENT IN AGRICULTURE Persons employed in agricultural work on the holding⁵ Holders and members of their households⁶ All persons Persons employed in agricultural work only Male Female Persons mainly employed in agricultural work Male Female Persons mainly employed in nonagricultural work Male Female
643 887 333 874 (151 554) (182 320) 310 013 (145 597) (164 416)	1 859 543 982 966 (449 699) (533 267) 876 577 (390 691) (485 886)	1 368 856 726 106 (327 751) (398 355) 642 750 (295 159) (347 591)	572 792 307 849 (138 268) (169 581) 264 943 (118 937) (146 006)	94 264 52 025 (24 838) (27 187) 42 239 (17 776) (24 463)	36 326 18 994 (7 348) (11 646) 17 332 (7 713) (9 619)	3 739 1 926 (775) (1 151) 1 813 (609) (1 204)	5 - FARM POPULATION Holders and members of the holder's household All persons Male Under 15 years of age 15 years of age and over Female Under 15 years of age 15 years of age and over
6 075 104 618 8 612 2 325	10 011 300 490 27 215 2 321	9 565 192 703 19 946 1 543	4 372 58 424 14 758 160	349 6 049 2 048 —	1 273 1 385 1 112 —	136 60 120 —	6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES Use and source of power on the holding Number of holdings reporting the use of: Mechanical power Animal power Animal and mechanical power Human power only Use of agricultural equipment Number of holdings reporting the use of tractors Owned by the holder Provided by the landlord or others Provided by a co-operative Provided by the Government Number of holdings reporting use of seed drills
— 14 237 150 300 750	685 36 091 450 — 1 897	1 355 26 806 150 1 200 911	1 276 17 254 600 — 664	240 2 157 — — 69	1 371 1 014 — — 122	256 — — — 76	7 - IRRIGATION AND DRAINAGE Land actually irrigated Area
236 554	871 982	955 042	897 904	231 737	331 979	210 967	

Date of the census and time reference

The enumeration for the agricultural census started in October 1958. In most parts of the country it was finished two months later, while four months were required in Mosul province.

All figures refer to the date of the enumeration except data on temporary crops and fallow land which refer to the winter season of 1957/58 and the summer season of 1958.

Method of collection and processing of census data

To ensure a complete coverage of the agricultural census, a list of names and addresses of owners of agricultural holdings and holders of *miri*¹ land was prepared with the co-operation of the General Directorate of Land Settlement of the Ministry of Justice. For unsettled areas, the Central Bureau of Statistics requested the governors of the *Liwas* (provinces) and the statistical superintendents to prepare a list of the names of villages existing within the boundaries of each administrative unit.

For each district the enumerators received a complete list of holders, where the location of holdings, the names of holders and the type of tenure were indicated.

In each Liwa a permanent committee was set up for supervising the census operations, including the information obtained by means of the census questionnaires.

The field work was generally under the supervision of the agricultural officers of the Ministry of Agriculture. However, a certain number of officers of the Central Statistical Office were assigned to various Liwas for supervising the census enumeration.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

For the purpose of the census, an agricultural holding was defined as any agricultural land worked or organized as one unit. This definition covers also what is called, in the national report, "cultivated units." A cultivated unit is considered as a piece of *miri sirf*, *waquf*¹ or unsettled land, cultivated and managed by one person. In the case of sharecroppers, information was collected separately for each of them. However, the data were later on included in one questionnaire for each landowner.

Tenure

Systems of land tenure in Iraq are complicated and it was possible to define only two types of land tenure: area owned by the holder or in ownerlike possession and area under other forms of tenure.

Area owned by the holder or in ownerlike possession includes three types of land tenure:

1. *Tapu* land defined as land held by private persons in permanent tenure from the State, subject to certain restrictions, mainly with respect to the continuity of proper cultivation.
2. *Lazma* land, i.e., land held by private persons in practically permanent usufruct and occupation, subject to certain restrictions mainly concerning the transfer of the title.
3. *Mulk* land, i.e., land held in absolute private ownership.

Area under other forms of tenure includes *miri sirf* land, *waquf* land and unsettled land. *Miri sirf* comprises pure or *de facto* and *de jure*

¹ See "Tenure," below and page 103, also page 104, footnote 2.

government land, administered by the Ministry of Finance. Waqf land includes land dedicated to pious or philanthropic purposes and administered in trust by:

- (a) the Government Waqf Administration for the benefit of religious institutions, or
- (b) by private trustees (*Mufawallis*), who are appointed by religious courts.

Unsettled land belongs in most instances to the State; this category includes also land for which the tenure was not determined.

1 - LAND UTILIZATION

Arable land

This includes the area planted with temporary crops during the winter season 1957/58 and the summer season of 1958. Areas lying fallow during both seasons are also included under this category. It should be noted that figures given here differ somewhat from those shown in the national report. In the table of the present report a deduction was made for the double counting of area under associated crops, i.e., under temporary and permanent crops cultivated simultaneously on the same land, so that the total for the arable land category added to the other land utilization classes gives the total area of holdings. For purposes of land utilization, in the case of successive crops, the area was counted only once.

Land under permanent crops

This includes the area cultivated with fruit trees and palm trees, whether alone or associated with temporary crops.

Permanent meadows and pastures

This includes the area planted with perennial forage crops and occupied by natural pastures.

All other land

This includes the land that cannot be planted unless basic improvements are introduced on it.

2 - CROPS

Figures on temporary crops refer to area and production obtained during the winter season of 1957/58 and the summer season of 1958. Data include also area under crops not harvested for any reason.

3 - LIVESTOCK AND POULTRY

Data refer to the number of animals found on the holding at the time of the enumeration. Livestock held by nomadic tribes was not included.

4 - EMPLOYMENT IN AGRICULTURE

This item covers all persons working on agricultural holdings at the time of the enumeration, including the members of the holder's family. Persons working for pay were considered as those receiving payment in shares and/or cash.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Figures on agricultural machinery refer to the number of machines owned by the holder at the time of the enumeration.

7 - IRRIGATION AND DRAINAGE

The area of land actually irrigated at the time of the enumeration includes the area provided with rainfall water, flow water from streams, rivers, etc.

* * *

SOURCE: Republic of Iraq. Ministry of Planning, Central Bureau of Statistics. *Results of the agricultural and livestock census in Iraq for the year 1958/59*. Printed at the Government Press, Baghdad, Iraq, 1961. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume 1, *Census results by countries*. Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

IRAQ

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	253 254
Area	8 038 703

Area in holdings, by tenure

Area owned by the holder or in ownerlike possession ¹	5 831 816
Area under other forms of tenure ²	2 206 887

1 - LAND UTILIZATION

Utilization of land in holdings (area)

Arable land	7 273 143
Land under permanent crops	187 483
Permanent meadows and pastures	71 202
Wood or forest land	4 574
All other land	502 301

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Wheat

Area	1 919 115
Production	825 196

Rice

Area	211 119
Production	249 236

Millet and sorghum (total)

Area	24 855
Production	16 633

Millet

Area	(9 200)
Production	(5 690)

Sorghum

Area	(15 655)
Production	(10 943)

Maize

Area	10 360
Production	5 893

Barley

Area	1 637 332
Production	857 934

Broad beans

Area	6 764
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Lentils

Area	5 061
Production	2 359

Edible dry peas

Area	4 662
Production	2 132

Cow peas

Area	2 775
Production	1 591

Vetches

Area	2 530
Production	1 168

Potatoes

Area	151
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Onions

Area	4 544
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Sugar beet

Area	242
Production	180

Cotton

Area	51 766
Production	30 850

Linseed

Area	18 421
Production	6 656

Sesame

Area	15 794
Production	7 763

Tobacco

Area	23 859
Production	12 289

Cabbage

Area	231
------------	-----

Lettuce

Area	529
------------	-----

Spinach

Area	864
------------	-----

Watermelons

Area	16 963
------------	--------

Other melons

Area	11 035
------------	--------

Squash

Area	2 285
------------	-------

Cucumbers

Area	6 483
------------	-------

Eggplants

Area	3 503
------------	-------

Okra

Area	4 098
------------	-------

Tomatoes

Area	12 924
------------	--------

Peppers (green)

Area	379
------------	-----

Carrots

Area	630
------------	-----

Turnips

Area	1 792
------------	-------

Beans (green)

Area	12 033
Production	5 569

Cauliflower

Area	118
------------	-----

Other crops on arable land

Area	1 057
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¹ Of which 3,120,397 ha are *tapu* land, 2,646,219 ha *lazma* and 64,500 *mulik* land. ² Of which 1,171,134 ha are *miri sirf* land, 109,768 ha *waquf* and 925,985 ha unsettled land.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

IRAQ

Not classified by size of holding

Permanent crops

Oranges

Number of trees of productive age	1 273 707
Number of fruit (in thousands).....	94 714

Lemons (sour)

Number of trees of productive age	132 871
Production	1 413

Lemons (sweet)

Number of trees of productive age	243 890
Production	2 574

Apples

Number of trees of productive age	910 606
Production	18 775

Pears

Number of trees of productive age	322 338
Production	3 378

Apricots

Number of trees of productive age	373 320
Production	4 842

Peaches

Number of trees of productive age	230 002
Production	1 472

Plums

Number of trees of productive age	167 188
Production	1 434

Dates

Number of trees of productive age	21 643 112
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Figs

Number of trees of productive age	526 240
Production	3 310

Pomegranates

Number of trees of productive age	2 519 299
Production	27 858

Other fruit trees not included elsewhere

Number of trees of productive age	398 876
---	---------

Almonds

Number of trees of productive age	54 680
Production	477

Walnuts

Number of trees of productive age	41 010
Number of nuts (in thousands)	37 538

Pistachio

Number of trees of productive age	6 225
Production	58

All other edible nut trees

Number of trees of productive age	20 762
Production	491

Olives

Number of trees of productive age	23 392
Production	193

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Horses

Total number of horses.....	194 631
Male.....	(38 827)
Female.....	(155 804)

^a Partly estimated.

Mules

Number of mules	100 830
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Asses

Number of asses	526 402
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Cattle

Total number of cattle.....	855 583
Male.....	(162 327)
Female.....	(693 256)

Buffaloes

Total number of buffaloes.....	44 392
Male.....	(8 696)
Female.....	(35 696)

Sheep

Total number of sheep.....	5 598 292
Lambs under 1 year of age	(1 130 930)
Sheep 1 year of age and over.....	(4 467 362)

Goats

Total number of goats.....	1 733 300
Goats under 1 year of age	(415 542)
Goats 1 year of age and over	(1 317 758)

Poultry

Number of chickens and cocks.....	3 436 205 ^a
Number of turkeys.....	114 878 ^a

Bees

Number of beehives	20 146
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4 - EMPLOYMENT IN AGRICULTURE

Persons employed in agricultural work on the holding

All persons	1 590 383
Male.....	971 544
Under 14 years of age	(165 752)
14 years of age and over	(805 792)
Female	618 839
Under 14 years of age	(135 659)
14 years of age and over	(483 180)
Of which:	
Holders and family members working on the holding	1 119 899
Persons working for pay on the holding.....	354 588

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Use and source of power on the holding

Number of holdings reporting the use of:	
Animal and mechanical power	14 501
Some animal power	169 241
Human power only	69 482

Selected agricultural equipment owned by the holder (number)

Electric motors	53
Tractors	2 404
Combines (harvester-threshers)	337
Threshers	199
Water pumps	4 900

7 - IRRIGATION AND DRAINAGE

Land actually irrigated

Area (total).....	3 675 072
By gravity flow	(2 165 510)
By other means	(1 509 552)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

IRAQ

Classified by size of holding

	All sizes of holdings	Under 1 ha	1 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over
		Under 4 mesha- ras	4 and under 20 mesha- ras	20 and under 40 mesha- ras	40 and under 80 mesha- ras	80 and under 200 mesha- ras	200 and under 400 mesha- ras	400 and under 800 mesha- ras	800 and under 2000 mesha- ras	2000 and under 4000 mesha- ras	4000 and under 10000 mesha- ras	10000 mesha- ras and over
0 - HOLDER, HOLDING AND TENURE												
Number and area of holdings												
Number	253 254	73 110	70 906	30 945	30 882	29 675	9 012	3 662	2 582	1 293	835	352
Percentage distribution	100.0	28.9	28.1	12.2	12.2	11.7	3.6	1.4	1.0	0.5	0.3	0.1
Area	8 038 703	25 580	163 539	210 683	430 422	885 192	590 156	494 435	806 068	895 983	1 241 598	2 295 047
Percentage distribution	100.0	0.3	2.0	2.6	5.4	11.0	7.3	6.2	10.0	11.1	15.5	28.6

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1952 AND 1958

IRAQ

	1952	1958		1952	1958
0 - HOLDER, HOLDING AND TENURE			Linseed		
Number of holdings, by size			Area	836	18 421
All sizes of holdings	125 045	253 254	Sesame		
Under 1 ha	24 270	73 110	Area	21 757	15 794
1 and under 5 ha	25 849	70 906	Tobacco		
5 and under 10 ha	15 923	30 945	Area	10 183	23 859
10 and under 20 ha	19 402	30 882	Watermelons and other melon crops		
20 and under 50 ha	23 954	29 675	Area	18 133	27 998
50 and under 100 ha	7 915	9 012			
100 and under 200 ha	3 458	3 662	Permanent crops		
200 and under 500 ha	2 357	2 582	Oranges		
500 and under 1 000 ha	938	1 293	Number of trees of productive age	1 293 592	1 273 707
1 000 and under 2 500 ha	657	835			
2 500 ha and over	272	352	Lemons (sour)		
Area in holdings, by tenure			Number of trees of productive age	181 752	132 871
Area owned by the holder or in ownerlike possession	4 205 772 ¹	5 831 816 ²	Lemons (sweet)		
Area under other forms of tenure	2 178 628 ³	2 206 887 ⁴	Number of trees of productive age	332 636	243 890
1 - LAND UTILIZATION			Apples		
Utilization of land in holdings (area)			Number of trees of productive age	763 982	910 606
Arable land	5 322 003	7 273 143	Pears		
Land under permanent crops	128 170	187 483	Number of trees of productive age	103 203	322 338
Permanent meadows and pastures	230 880	71 202	Apricots		
Wood or forest land	51 811	4 574	Number of trees of productive age	565 171	373 320
All other land	644 309	502 301	Peaches		
2 - CROPS - AREA			Number of trees of productive age	178 099	230 002
Crops on arable land			Dates		
Wheat			Number of trees of productive age	18 380 709	21 643 112
Area	1 045 710	1 919 115	Pomegranates		
Rice			Number of trees of productive age	2 000 229	2 519 299
Area	128 688	211 119	Almonds		
Millet and sorghum			Number of trees of productive age	34 733	54 680
Area	21 807	24 855	Walnuts		
Maize			Number of trees of productive age	104 855	41 010
Area	54 070	10 360	Pistachio		
Barley			Number of trees of productive age	9 046	6 225
Area	1 210 606	1 637 332	Olives		
Broad beans			Number of trees of productive age	30 534	23 392
Area	4 328	6 764			
Lentils					
Area	5 660	5 061			
Edible dry peas					
Area	4 888	4 662			
Vetches					
Area	2 217	2 530			
Cotton					
Area	24 124	51 766			

¹ For 1952, of which 2,527,363 ha are *tapu* land and 1,678,409 ha *Lazma* land. ² For 1958, of which 3,120,397 ha are *tapu* land, 2,646,919 ha *lazma* land and 64,500 ha *mulk* land. ³ Includes area rented from others and area operated under other forms of tenure. ⁴ For 1958, of which 1,171,134 ha are *miri sirf* land, 109,768 ha *waqf* land and 925,985 ha unsettled land.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1952 AND 1958

IRAQ

	1952	1958		1952	1958
3 - LIVESTOCK AND POULTRY			Sheep		
Horses, mules and asses			Number of sheep	4 484 156	5 598 292
Horses			Goats		
Number of horses	137 446	194 631	Number of goats	1 618 145	1 733 300
Mules			Bees		
Number of mules	56 673	100 830	Number of beehives	14 538	20 146
Asses					
Number of asses	398 798	526 402			
Cattle			7 - IRRIGATION AND DRAINAGE		
Number of cattle	711 918	855 583	Land actually irrigated		
Buffaloes			Area	1 119 526	3 688 303
Number of buffaloes	47 395	44 392			

Date of the census and time reference

The agricultural census was taken in July and August 1960, except for the Ghadames area in Tripolitania (September 1960), and the Kufra oases (December 1960).

Most of the information refers to the date of the enumeration while data on livestock products and wood and fishery products refer to 1959. Crop production figures refer to the period 1 October 1959 to 30 September 1960.

Method of collection and processing of census data

The agricultural census was taken by complete enumeration. Data were collected by means of an enumeration booklet covering several agricultural holdings.

The processing of data was carried out under FAO supervision as a pilot project for central tabulation of the agricultural census data by electronic computers. The Federal Republic of Germany offered its assistance for this purpose.

After editing and coding, the booklets were sent to the Federal Office of Statistics, Wiesbaden (Germany) for punching and verification. The punched cards were processed by electronic computers at the Institute for Practical Mathematics at Darmstadt (Germany). The computer program included different consistency checks.

The quality of the field work was checked in a 2 percent sample of holdings randomly selected from each *Mudiria*¹ and these holdings were re-enumerated during autumn 1960 by the district supervisors. A comparison of these data with information collected previously revealed a margin of error from five to ten percent.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

The holder is the civil or juridical person who has the economic and technical initiative and responsibility for the operation of the holding and who operates the holding directly or through a hired manager. Whenever that responsibility was shared between two or more related or associated persons, they were considered as constituting a single holder for the purpose of the census.

Legal status of the holder includes as *civil persons* not only individuals operating a holding, but two or more persons who share the technical and economic responsibility of the operation of a holding without a legal contract.

Government holdings are considered those operated by a central or local government, either directly or through a corporation.

Corporation holdings are considered those operated by, or on behalf of, a group of persons which has a separate legal status as such, without being a co-operative or a collective. They include joint stock companies.

Tribal holdings are considered those jointly operated by a tribe, or a part thereof, according to customary rights.

Holding

An agricultural holding was considered as all land used wholly or partly for agricultural production and operated by one person (the holder), alone or with the assistance of others, without regard to title or location. However, the census covered only those holdings which had at least:

- (a) One tenth of a hectare irrigated or 1/2 ha of nonirrigated arable land, or

¹ District subdivision.

LIBYA

- (b) Ten sheep or goats (combined) or a lesser number of those combined with at least one head of cattle, one camel, or one horse, or
- (c) Five productive date palms or five productive olive trees.

Livestock kept for agricultural purposes without agricultural land was considered as constituting a holding. If a person held no land or livestock but had the right to operate a group of trees, this group constituted a holding.

A holding might consist of one or more separate parcels, provided they were located in a single territorial division (census district) and that they formed part of the same technical unit. In Libya, a *Mudiria* was considered as the territorial division for census purposes, while in Tripolitania the *Cabila*² (tribe) was used as the census district.

Establishments and other units not including any agricultural land but producing livestock or livestock products (e.g., hatcheries, poultry batteries, city dairies with livestock, livestock kept by nomadic tribes, rabbitries, apiaries, etc.) were considered as holdings, whether they were located in rural or urban areas. Establishments engaged in the production of only forest products, fish, or wild game were not considered as holdings.

When two or more establishments were under the same ownership and general direction, but the immediate management was done by different persons, they were classified as separate holdings. In the case of several farm units sharing the same technical and economic services, the area of each unit was considered as a separate holding if:

- (a) a distinct area of land, or
- (b) a specific group of livestock or poultry was assigned to the individual operator and such operator shared in the agricultural, or livestock, or poultry products of such land.

Where conditions (a) or (b) were not fulfilled, then the entire group of units was considered as a single holding.

Agricultural production includes the growing of field crops, fruit, grapes, nuts, seeds, tree nurseries (except those of forest trees), vegetables,

and flowers, both in the open and under glass; the forest production in parcels of land which form part of the enumerated holding; and the production of livestock and livestock products, poultry and poultry products, honey, rabbits, fur-bearing animals, silkworm cocoons, etc.

Parcel. A parcel was defined as all land entirely surrounded by land of other holdings or by land not forming part of any holding.

Total area of the holding. This includes the area of all land forming part of the unit that was under the same technical and economic responsibility. In the case of shifting cultivation (i.e., the custom of cultivating clearings scattered in the reservoir of natural vegetation), the total area of the holding consists of the area actually under crops and the area prepared for cultivation but not sown or planted at the time of the enumeration.

Tenure

Area owned by the holder or in ownerlike possession includes the land owned by the holder, either by a legal title or by the fact that the land has been operated by him for a long period of time without payment of rent, provided that the holder legally uses the land without consideration of other interests and without interference from others, and that he always has the full economic responsibility as well as the right of transfer.

Area rented from others includes area rented for a fixed amount of money and for a share of the produce.

Area rented for a fixed amount of money includes all land leased to the holder by individuals, by corporations or by the Government or other public or related bodies, usually for a short period of time in exchange for a specified amount of money or a specified amount of produce, or both; the administration and management of the land in general are the responsibility of the holder.

Area rented for a share of the produce includes all the land for the use of which the holder delivers to the landlord a share of the produce or its equivalent in money. The technical responsibility in the management of the holding may

² A *Mudiria* subdivision.

be exclusive to the holder or may be shared to a limited degree (but without imperiling the holder's independence) with the landlord if the latter contributes tools, fertilizers, or other aids. The economic risks of the holding, as far as income is concerned, are always shared by the holder and the landlord.

Area operated under tribal tenure includes land held on a tribal village, kindred family basis, where individuals have certain rights to this land by virtue of their membership in the respective social unit. Title to the land is communal in character.

1 - LAND UTILIZATION

Arable land

This means all land generally under rotation, whether it is under:

- (a) temporary crops;
- (b) temporary meadows;
- (c) vegetables and flowers, or
- (d) temporarily fallow.

Land under temporary crops

This includes all land used for crops whose growing cycle is under one year and which must be newly sown or planted after the harvest of each crop. Examples of such crops are wheat, barley, maize, beans, potatoes, etc.

Land under temporary meadows

This includes land temporarily cultivated (period of rotation less than 5 years) with forage crops for mowing or pasture.

Land under vegetables and flowers

This includes land cultivated with vegetables, flowers and bulbs whether they are grown in market gardens, kitchen gardens, or greenhouses, and whether they are intended for consumption on the holdings, for marketing, or both.

Land temporarily fallow

This includes land resting for a period of time (not more than 5 years) before it is planted again.

Land under permanent crops

This includes land cultivated under crops which occupy the land for a long period of time, and do not need to be planted after each harvest, such as fruit trees, nuts and vines, but excluding wood and timber. It includes nurseries, except those of forest trees.

Land under permanent meadows and pastures

This includes all land used permanently, i.e., 5 years or more, for herbaceous forage crops, either seeded and cared for or existing naturally (grazing land). The tribal grazing land in the Province of Cyrenaica was excluded from the census.

Wood or forest land

This includes all wood lots or tracts of timber, natural or planted, which form part of the holding and have value as wood, timber, or forest products.

All other land

This includes all land in the holding which was not included in any of the aforementioned land utilization categories whether potentially productive or not, and land of the holding occupied by buildings, ornamental gardens, roads, lanes and wasteland.

2 - CROPS

When different crops were cultivated simultaneously on the same piece of land, the area covered by each crop was estimated as if it had been grown alone.

When several crops were grown and harvested successively on the same land during the agricultural year the aggregate area was entered resulting from either successive planting or successive harvesting on the same physical area during the time to which the census refers.

3 - LIVESTOCK AND POULTRY

Data on livestock and poultry refer to the number of animals held by the holder at the date of the census enumeration. Wool production refers to greasy sheep's wool.

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5 - FARM POPULATION

Data on farm population refer only to holders and members of the holder's household. *Household* was defined, for census purposes, as the aggregate of persons generally bound by ties of kinship, i.e., the head of the family, relatives living with him, and the other persons who shared that community of life for reasons of work or because of other connections. Persons who shared the rooms occupied by the family or who used separate rooms in the same dwelling unit but took their meals with the family were considered as members of the household. Persons who lived alone and those who occupied separate rooms in the dwelling unit and did not take their meals with the family were considered as separate households.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

For stationary power-producing machinery data relate to the machines on the holding at the time of enumeration. For the other machines, data refer to the machines owned by the holder.

7 - IRRIGATION AND DRAINAGE

For census purposes, irrigation was considered as the practice of providing land with water other than rain for crop production. Data refer to the area irrigated during the period 1 October 1959 to 30 September 1960.

9 - WOOD AND FISHERY PRODUCTS

Data refer to the total amount of wood obtained from the holding during 1959. Round wood includes wood used for construction on the holding, posts for fencing, and all round wood used for industrial purposes, e.g., sawlogs, pulp wood, pit props, poles, piling, tanning wood, etc. Firewood includes all wood cut on the holding for heating purposes, for cooking and other uses, whether by the holder or someone else, including that for home use as well as that for sale; it includes also wood consumed in the manufacture of charcoal.

* * *

SOURCE: United Kingdom of Libya. Ministry of Agriculture. *1960 census of agriculture — Report and tables*. Tripoli, February 1962.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

LIBYA

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	145 518
Area	3 868 728

Mode of operation of holdings

Operated by the holder

Number	143 983
Area	3 814 548

Operated through a hired manager

Number	1 535
Area	54 180

Fragmentation

Number of parcels in the holdings reporting..	1 016 031
Average number of parcels per holding	7

Legal status of the holder

Holdings operated by:

Civil persons

Number	144 780
Area	3 805 593

Corporations

Number	73
Area	12 026

Government

Number	247
Area	3 298

Tribes

Number	418
Area	47 811

Area in holdings, by tenure ¹

Area owned by the holder or in ownerlike possession	2 282 144
Area rented from others	130 132
Area under tribal forms of tenure	1 368 022
Area under other forms of tenure	87 379

1 - LAND UTILIZATION

Utilization of land in holdings ¹

Arable land

Number of holdings reporting	134 788
Area (total)	2 375 074
Temporary crops	(990 841)
Temporary meadows	(78 360)
Vegetables and flowers	(17 720)
Temporary fallow	(1 287 365)

Land under permanent crops

Number of holdings reporting	33 345
Area	134 357

Permanent meadows and pastures

Number of holdings reporting	42 377
Area	1 135 750

Wood or forest land

Number of holdings reporting	6 303
Area	63 274

All other land

Area	160 273
------------	---------

2 - CROPS - AREA AND PRODUCTION

Crops on arable land ²

Wheat (total)

Number of holdings reporting	55 997
Area	223 177
Production	33 910

Wheat under irrigation

Number of holdings reporting	3 841
Area	(2 266)
Production	(1 737)

Wheat not irrigated

Number of holdings reporting	52 200
Area	(220 911)
Production	(32 173)

Millet and sorghum

Number of holdings reporting	4 520
Area	1 729
Production	1 293

Maize

Number of holdings reporting	3 702
Area	1 287
Production	1 088

Barley (total)

Number of holdings reporting	101 553
Area	718 790
Production	116 419

Barley under irrigation

Number of holdings reporting	7 039
Area	(6 502)
Production	(4 334)

Barley not irrigated

Number of holdings reporting	95 078
Area	(712 288)
Production	(112 085)

Dry broad beans

Number of holdings reporting	2 424
Area	4 215
Production	695

Edible dry beans

Number of holdings reporting	395
Area	927
Production	299

Lentils

Number of holdings reporting	560
Area	552
Production	57

Edible dry peas

Number of holdings reporting	518
Area	219
Production	103

Chick peas

Number of holdings reporting	890
Area	1 382
Production	274

Other leguminous plants for grain

Number of holdings reporting	53
Area	22
Production	9

Potatoes

Area	975
Production	3 523

Dry onions

Number of holdings reporting	3 168
Area	917
Production	1 630

Dry garlic

Number of holdings reporting	185
Area	2 609

¹ Discrepancies between totals and cumulative sums are due to rounding the figures given in the National Report. ² Area sown.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

LIBYA

Not classified by size of holding

Other tuber and root crops for food and feed

Number of holdings reporting	266
Area	95
Production	165

Sugar beet

Number of holdings reporting	17
Area	10
Production	29

Groundnuts (peanuts)

Number of holdings reporting	3 447
Area	5 162
Production	7 950

Castor beans

Number of holdings reporting	3 041
Area	5 218
Production	1 388

Tobacco

Number of holdings reporting	1 998
Area	1 270
Production	770

Esparto grass

Number of holdings reporting	17 183
Area	10 880
Production	26 631

Other crops for industrial purposes

Number of holdings reporting	181
Area	446

Temporary fodder crops

Number of holdings reporting	15 257
Area	5 454
Production	28 580

Cabbage

Number of holdings reporting	192
Production	114

Watermelons

Number of holdings reporting	5 156
Production	5 253

Melons

Number of holdings reporting	3 217
Production	1 865

Pumpkins

Number of holdings reporting	3 385
Production	1 661

Cucumbers

Number of holdings reporting	849
Production	329

Eggplants

Number of holdings reporting	460
Production	122

Tomatoes

Number of holdings reporting	10 635
Production	10 132

Sweet peppers

Number of holdings reporting	227
Production	84

Peppers (green)

Number of holdings reporting	4 982
Production	1 565

Red peppers

Number of holdings reporting	5 552
Production	1 154

Green onions and green garlic

Number of holdings reporting	2 544
Production	1 165

Red beets and turnips

Number of holdings reporting	517
Production	249

Carrots

Number of holdings reporting	1 407
Area	317
Production	790

Peas (green)

Number of holdings reporting	221
Production	93

Beans (green)

Number of holdings reporting	303
Production	97

Cauliflower

Number of holdings reporting	174
Production	159

Other vegetables grown principally for human consumption

Number of holdings reporting	1 096
Production	461

Permanent crops

Oranges

Number of holdings reporting	3 948
Production	5 330

In compact plantations

Area	1 537
Number of trees	525 900
Of productive age	(343 600)
Of nonproductive age	(182 300)

Scattered trees (number)	131 800
Of productive age	(76 000)
Of nonproductive age	(55 800)

Tangerines

Number of holdings reporting	629
Production	547

In compact plantations

Area	94
Number of trees	15 600
Of productive age	(12 700)
Of nonproductive age	(2 900)

Scattered trees (number)	11 300
Of productive age	(9 000)
Of nonproductive age	(2 300)

Lemons

Number of holdings reporting	4 304
Production	796

In compact plantations

Area	177
Number of trees	28 200
Of productive age	(9 300)
Of nonproductive age	(18 900)

Scattered trees (number)	27 500
Of productive age	(16 000)
Of nonproductive age	(11 500)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

LIBYA

Not classified by size of holding

Grapefruit

Number of holdings reporting	226
Production	165
In compact plantations	
Area	17
Number of trees	6 800
Of productive age	(6 300)
Of nonproductive age	(500)
Scattered trees (number)	14 100
Of productive age	(11 400)
Of nonproductive age	(2 700)

Apples

Number of holdings reporting	9 979
Production	875
In compact plantations	
Area	293
Number of trees	15 800
Of productive age	(7 300)
Of nonproductive age	(8 500)
Scattered trees (number)	103 100
Of productive age	(52 200)
Of nonproductive age	(50 900)

Pears

Number of holdings reporting	1 769
Production	150
In compact plantations	
Area	87
Number of trees	9 100
Of productive age	(5 000)
Of nonproductive age	(4 100)
Scattered trees (number)	13 100
Of productive age	(5 900)
Of nonproductive age	(7 200)

Apricots

Number of holdings reporting	8 755
Production	642
In compact plantations	
Area	359
Number of trees	4 400
Of productive age	(1 900)
Of nonproductive age	(2 500)
Scattered trees (number)	42 400
Of productive age	(24 000)
Of nonproductive age	(18 400)

Peaches

Number of holdings reporting	5 754
Production	343
In compact plantations	
Area	409
Number of trees	24 000
Of productive age	(13 200)
Of nonproductive age	(10 800)
Scattered trees (number)	52 300
Of productive age	(25 900)
Of nonproductive age	(26 400)

Plums

Number of holdings reporting	2 078
Production	294
In compact plantations	
Area	100
Number of trees	10 900
Of productive age	(8 400)
Of nonproductive age	(2 500)
Scattered trees (number)	18 000
Of productive age	(11 100)
Of nonproductive age	(6 900)

Dates

Number of holdings reporting	66 672
Production	31 690
In compact plantations	
Area	4 725
Number of trees	116 200
Of productive age	(82 500)
Of nonproductive age	(33 700)
Scattered trees (number)	3 099 100
Of productive age	(1 989 700)
Of nonproductive age	(1 109 400)

Figs

Number of holdings reporting	34 747
Production	4 538
In compact plantations	
Area	12 990
Number of trees	323 900
Of productive age	(235 000)
Of nonproductive age	(88 900)
Scattered trees (number)	283 000
Of productive age	(203 600)
Of nonproductive age	(79 400)

Pomegranates

Number of holdings reporting	16 560
Production	1 401
In compact plantations	
Area	638
Number of trees	20 500
Of productive age	(12 300)
Of nonproductive age	(8 200)
Scattered trees (number)	118 000
Of productive age	(79 600)
Of nonproductive age	(38 400)

Almonds

Number of holdings reporting	14 809
Production	2 905
In compact plantations	
Area	12 528
Number of trees	778 600
Of productive age	(441 200)
Of nonproductive age	(337 400)
Scattered trees (number)	253 400
Of productive age	(141 700)
Of nonproductive age	(111 700)

Other fruit trees

Number of holdings reporting	1 810
Production	266
In compact plantations	
Area	276
Number of trees	16 600
Of productive age	(10 600)
Of nonproductive age	(6 000)
Scattered trees (number)	42 400
Of productive age	(12 400)
Of nonproductive age	(30 000)

Bananas

Number of holdings reporting	1 247
Production	165
In compact plantations	
Area	54
Number of trees	5 500
Of productive age	(4 500)
Of nonproductive age	(1 000)
Scattered trees (number)	43 300
Of productive age	(19 200)
Of nonproductive age	(24 100)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

LIBYA

Not classified by size of holding

Grapes (total)	
Production	8 421
In compact plantations	
Area	8 871
Number of vines	8 670 100
Of productive age	(7 358 700)
Of nonproductive age	(1 311 400)
Scattered vines (number)	1 411 400
Of productive age	(1 071 800)
Of nonproductive age	(339 600)
Grapes for table use	
Number of holdings reporting	10 332
Production	2 034
In compact plantations	
Area	2 859
Number of vines	509 600
Of productive age	(380 500)
Of nonproductive age	(129 100)
Scattered vines (number)	281 900
Of productive age	(198 800)
Of nonproductive age	(83 100)
Grapes for wine	
Number of holdings reporting	6 944
Production	6 386
In compact plantations	
Area	6 012
Number of vines	8 160 500
Of productive age	(6 978 200)
Of nonproductive age	(1 182 300)
Scattered vines (number)	1 129 400
Of productive age	(873 000)
Of nonproductive age	(256 400)
Olives (total)	
Production	32 676
In compact plantations	
Area	43 765
Number of trees	1 753 000
Of productive age	(850 000)
Of nonproductive age	(903 000)
Scattered trees (number)	2 209 100
Of productive age	(1 163 000)
Of nonproductive age	(1 046 100)
Olives for table use	
Number of holdings reporting	3 383
Production	714
In compact plantations	
Area	2 149
Number of trees	52 000
Of productive age	(27 600)
Of nonproductive age	(24 400)
Scattered trees (number)	37 000
Of productive age	(17 400)
Of nonproductive age	(19 600)
Olives for oil	
Number of holdings reporting	66 151
Production	31 961
In compact plantations	
Area	41 616
Number of trees	1 701 000
Of productive age	(822 400)
Of nonproductive age	(878 600)
Scattered trees (number)	2 172 100
Of productive age	(1 145 600)
Of nonproductive age	(1 026 500)

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Horses

Number of holdings reporting	21 216
Total number of horses	28 968
Owned	(25 945)
Not owned	(3 023)

Mules

Number of holdings reporting	1 813
Number of mules	3 251

Asses

Number of holdings reporting	85 230
Number of asses	122 165

Camels

Number of holdings reporting	72 512
Total number of camels	255 150
Owned	(241 692)
Not owned	(13 458)
Camels under 4 years of age	35 780
Camels 4 years of age and over	219 370

Cattle

Number of holdings reporting	40 754
Total number of cattle	111 411
Owned	(102 805)
Not owned	(8 606)
Cattle under 2 years of age	27 117
Male	(14 081)
Female	(13 036)
Cattle 2 years of age and over	84 294
Male	(5 864)
Female	(78 430)

Sheep

Number of holdings reporting	70 634
Total number of sheep	1 254 661
Owned	(1 196 348)
Not owned	(58 313)
Lambs under 1 year of age	226 019
Sheep 1 year of age and over	1 028 642
Male	(54 726)
Female	(973 916)
Wool production (greasy)	2 740

Goats

Number of holdings reporting	71 079
Total number of goats	1 195 636
Owned	(1 148 427)
Not owned	(47 209)
Goats under 1 year of age	261 781
Goats 1 year of age and over	933 855
Male	(56 115)
Female	(877 740)
Goat hair production	453

Poultry

Number of holdings reporting	40 171
Number of poultry	304 602

Rabbits

Number of holdings reporting	2 226
Number of rabbits	23 193

Bees

Number of holdings reporting	980
Number of beehives	5 076
Honey production	31

5 - FARM POPULATION

Holders and members of the holder's household

All persons	854 717
Male	439 892
Under 15 years of age	(181 060)
15 years of age and over	(258 832)
Female	414 825
Under 15 years of age	(174 047)
15 years of age and over	(240 778)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

LIBYA

Not classified by size of holding

Occupation of farm population			7 - IRRIGATION AND DRAINAGE	
Total number of persons (15 years of age and over) with agricultural occupation	279 970		Area of land actually irrigated	
Male	(189 788)		Number of holdings reporting	31 553
Female	(90 182)		Area	120 591
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES			Area irrigated by method of irrigation	
Selected agricultural equipment			Buckets	27 958
Number of machines on the holding:			Pumps	82 347
Internal combustion motors	2 571		Other means	10 286
Windmills	226			
Electric generators	492		8 - FERTILIZERS AND SOIL DRESSINGS	
Electric motors	1 850		Application of inorganic fertilizers	
Number of machines owned by the holders:			Number of holdings reporting	15 967
Tractors (total)	2 508		Area treated	48 281
Wheel tractors	(2 040)		Amount applied (metric tons)	55 054
Track-laying tractors	(468)		9 - WOOD AND FISHERY PRODUCTS	
Stationary threshers	470		Wood products obtained on the holding	
Harvester-threshers	1 061		Number of holdings reporting	29 724
Seed drills	135		Production (total)	43 240
Milking machines	8		Round wood	(3 688)
Trucks	599		Firewood	(39 552)
Pick-ups, jeeps and landrovers	898			

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Holdings without land	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha
0 - HOLDER, HOLDING AND TENURE							
Number and area of holdings							
Number.....	145 518	6 153	6 118	5 146	9 295	8 218	7 896
Percentage distribution	100.0	4.2	4.2	3.5	6.4	5.7	5.4
Area.....	3 868 728	—	1 447	3 041	10 620	17 059	24 096
Percentage distribution	100.0	—	—	0.1	0.3	0.4	0.6
Mode of operation of holdings							
Operated by the holder							
Number.....	143 983	6 097	6 106	5 133	9 250	8 165	7 840
Area.....	3 814 548	—	1 444	3 034	10 570	16 951	23 926
Operated through a hired manager							
Number.....	1 535	56	12	13	45	53	56
Area.....	54 180	—	3	7	50	109	170
Fragmentation							
Number of parcels in the holdings reporting	1 016 031	—	9 711	9 461	20 871	24 494	26 767
Average number of parcels per holding....	7	—	2	2	2	3	3
Legal status of the holder							
Holdings operated by:							
Civil persons							
Number.....	144 780	6 147	6 117	5 138	9 226	8 170	7 872
Area.....	3 805 593	—	1 445	3 037	10 549	16 959	24 022
Corporations							
Number.....	73	—	—	2	7	4	—
Area.....	12 026	—	—	1	9	9	—
Government							
Number.....	247	2	1	2	4	27	8
Area.....	3 298	—	—	1	4	55	24
Tribes							
Number.....	418	4	—	4	58	17	16
Area.....	47 811	—	—	3	59	36	50
Area in holdings, by tenure							
Owned by the holder or in ownerlike possession	2 282 144	—	1 247	2 565	9 112	13 942	18 022
Rented from others	130 132	—	143	333	570	827	1 030
Under tribal form of tenure	1 368 022	—	15	35	527	1 581	4 139
Under other forms of tenure	87 379	—	46	115	413	709	904
1 - LAND UTILIZATION							
Utilization of land in holdings							
Arable land							
Number of holdings reporting.....	134 788	—	5 334	4 638	8 301	7 582	7 544
Area (total)	2 375 074	—	1 180	2 450	8 359	13 529	20 166
Temporary crops	(990 841)	(—)	(212)	(589)	(3 019)	(5 566)	(10 610)
Temporary meadows	(78 360)	(—)	(152)	(233)	(305)	(350)	(397)
Vegetables and flowers	(17 720)	(—)	(93)	(199)	(413)	(585)	(592)
Temporary fallow	(1 287 365)	(—)	(723)	(1 429)	(4 623)	(7 041)	(8 567)
Land under permanent crops							
Number of holdings reporting.....	33 345	—	1 304	1 101	2 154	2 214	1 557
Area	134 357	—	166	282	1 079	1 823	1 606
Permanent meadows and pastures							
Number of holdings reporting.....	42 377	—	49	163	517	648	800
Area.....	1 135 750	—	7	44	318	561	849
Wood or forest land							
Number of holdings reporting.....	6 303	—	26	66	142	110	172
Area.....	63 274	—	6	26	88	97	181
All other land							
Area.....	160 273	—	88	239	776	1 049	1 294
5 - FARM POPULATION							
Holders and members of the holder's household							
All persons.....							
Male	854 717	48 989	28 669	27 117	46 475	41 692	40 918
Under 15 years of age.....	439 892	25 336	14 984	14 201	24 126	21 584	20 978
15 years of age and over.....	(181 060)	(9 947)	(5 889)	(5 622)	(9 714)	(8 894)	(8 547)
Female.....	(258 832)	(15 389)	(9 095)	(8 579)	(14 412)	(12 690)	(12 431)
Under 15 years of age.....	414 825	23 653	13 685	12 916	22 349	20 108	19 940
15 years of age and over	(174 047)	(9 384)	(5 448)	(5 100)	(8 915)	(8 121)	(8 214)
Occupation of farm population	(240 778)	(14 269)	(8 237)	(7 816)	(13 434)	(11 987)	(11 726)
Occupation of farm population							
Total number of persons (15 years of age and over) with agricultural occupation	279 970	15 909	7 170	7 424	12 957	12 177	12 412
Male	(189 788)	(10 289)	(4 827)	(4 933)	(8 761)	(8 387)	(8 565)
Female.....	(90 182)	(5 620)	(2 343)	(2 491)	(4 196)	(3 790)	(3 847)

¹ Discrepancies between totals and cumulative sums are due to rounding of figures as given in the National Report.

LIBYA

TOTAL AREA OF HOLDING

Classified by size of holding

4 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 ha and over	
							0 - HOLDER, HOLDING AND TENURE
							Number and area of holdings
5 814	22 358	27 097	29 282	10 020	4 890	3 231	Number
4.0	15.4	18.6	20.1	6.9	3.4	2.2	Percentage distribution
23 532	149 358	355 642	841 421	636 107	613 829	1 192 556	Area
0.6	3.9	9.2	21.7	16.4	15.9	30.8	Percentage distribution
							Mode of operation of holdings
							Operated by the holder
5 748	22 072	26 755	28 917	9 884	4 831	3 185	Number
23 268	147 483	351 151	831 042	627 244	606 287	1 172 129	Area
							Operated through a hired manager
66	286	342	365	136	59	46	Number
265	1 875	4 491	10 379	8 864	7 542	20 427	Area
							Fragmentation
23 835	104 502	176 374	269 747	135 279	93 650	121 329	Number of parcels in the holdings reporting
4	5	7	9	14	19	38	Average number of parcels per holding
							Legal status of the holder
							Holdings operated by:
							Civil persons
5 742	22 299	26 929	29 133	9 970	4 865	3 172	Number
23 243	148 990	353 740	836 269	632 961	610 667	1 143 690	Area
							Corporations
1	3	2	24	17	1	12	Number
4	19	30	997	1 186	177	9 595	Area
							Government
55	14	121	8	2	—	3	Number
221	93	1 292	210	140	—	1 260	Area
							Tribes
16	42	45	117	31	24	44	Number
65	256	581	3 946	1 820	2 985	38 012	Area
							Area in holdings, by tenure
18 314	98 005	228 137	496 228	357 321	321 433	717 816	Owned by the holder or in ownerlike possession
1 145	7 758	19 704	47 284	21 575	13 083	16 659	Rented from others
3 188	37 762	96 169	269 279	240 603	271 257	443 467	Under tribal form of tenure
883	5 825	11 614	28 644	16 513	7 957	13 758	Under other forms of tenure
							1 - LAND UTILIZATION
							Utilization of land in holdings
							Arable land
5 561	21 901	26 729	29 137	9 984	4 873	3 200	Number of holdings reporting
19 007	123 634	280 628	612 955	414 742	340 089	538 279	Area (total)
(9 653)	(77 749)	(172 433)	(321 356)	(163 812)	(100 896)	(124 729)	Temporary crops
(554)	(2 480)	(7 531)	(20 046)	(16 568)	(14 516)	(15 227)	Temporary meadows
(548)	(2 072)	(3 476)	(5 671)	(2 358)	(1 099)	(601)	Vegetables and flowers
(8 253)	(41 343)	(97 188)	(265 882)	(232 014)	(223 578)	(396 722)	Temporary fallow
							Land under permanent crops
1 541	5 189	7 000	7 463	2 275	943	600	Number of holdings reporting
1 844	8 473	18 465	39 331	22 371	13 550	25 350	Area
							Permanent meadows and pastures
856	4 344	8 893	13 875	6 068	3 573	2 590	Number of holdings reporting
1 115	7 685	32 403	133 752	163 517	231 180	564 319	Area
							Wood or forest land
154	693	1 353	2 274	710	352	251	Number of holdings reporting
174	1 078	3 991	14 664	8 542	8 992	25 436	Area
							All other land
1 393	8 488	20 155	40 719	26 935	20 018	39 173	Area
							5 - FARM POPULATION
							Holders and members of the holder's household
							All persons
31 671	123 294	160 393	184 453	66 244	32 776	22 026	Male
16 456	63 460	82 588	94 351	33 689	16 718	11 421	Under 15 years of age
(6 764)	(26 013)	(34 301)	(39 508)	(14 341)	(6 954)	(4 566)	15 years of age and over
(9 692)	(37 447)	(48 287)	(54 843)	(19 348)	(9 764)	(6 855)	Female
15 215	59 834	77 805	90 102	32 555	16 058	10 605	Under 15 years of age
(6 340)	(24 847)	(32 965)	(39 022)	(14 380)	(6 946)	(4 365)	15 years of age and over
(8 875)	(34 987)	(44 840)	(51 080)	(18 175)	(9 112)	(6 240)	
							Occupation of farm population
							Total number of persons (15 years of age and over) with agricultural occupation
9 612	42 250	56 962	63 624	21 941	10 926	6 606	Male
(6 842)	(28 276)	(37 463)	(43 287)	(15 385)	(7 799)	(4 974)	Female
(2 770)	(13 974)	(19 499)	(20 337)	(6 556)	(3 127)	(1 632)	

Date of the census and time reference

Holders were interviewed in September and October 1960, on six consecutive Sundays in Malta and on five consecutive Sundays in Gozo.

Data on production of crops, employment in agriculture and irrigation refer to the agricultural year 27 September 1959 to 25 September 1960, while data on farm population, number and area of holdings, land tenure and agricultural machinery refer to the time of the interview.

Method of collection and processing of census data

The census was conducted through interviews of holders in special centers by enumerators appointed for this purpose. Only 539 holders were recorded as nonrespondent. A response of 95.8 percent was achieved.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

The holder was considered as the civil or juridical person who had the economic and technical initiative and responsibility for the operation of the holding and who operated the holding directly or through a hired manager. Whenever the responsibility was shared between two or more related or associated persons, they were considered as constituting a single holder for the purposes of the census.

Main occupation of the holder. The main occupation of the holder was that on which he spent most of his working time.

Holding

A holding, for census purposes, was considered as all land used wholly or partly for agricultural production, operated by one person (the holder), alone or with the assistance of others. Holdings with an area of less than 1 *tomna* (0.1124 ha) were excluded from the census. Livestock kept for agricultural purposes without agricultural land was considered as constituting a holding. Agricultural production was defined as the growing of field crops, fruit, grapes, nuts, seeds, bulbs, vegetables and flowers, both in the open and under glass, the rearing of livestock, poultry and rabbits, and the production of milk.

Total area of the holding. This was considered to be the total of all land forming part of the unit under the same technical and economic responsibility.

Tenure

Area owned by the holder or in ownerlike possession includes the area fully owned by the holder. Free land area is also included under this category.

Area rented from others includes land belonging to others but for which the holder has to pay a rent.

1 - LAND UTILIZATION

Cropland

This includes land occupied with temporary and permanent crops.

All other land

Other land refers to all nonproductive land.

3 - LIVESTOCK AND POULTRY

Figures refer to the number of animals found on the holding at 26 September 1960.

4 - EMPLOYMENT IN AGRICULTURE

Data on employment in agriculture include the holder, regardless of the amount of time spent in agricultural work, members of his family and unrelated persons living in his household, not receiving full wages in money, who were engaged in agricultural activities.

Employment in agriculture covers any farm work necessary to the operation of the holding, including feeding and caring for livestock and poultry, working in the field, working in market and kitchen gardens; supervising agricultural work, hauling farm products to the market, hauling feed, fertilizer or other supplies to the holding; repairing fences, farm equipment and machinery with farm help.

Employment in agriculture excludes work related to the operation of the home, contract construction work done by persons employed specifically to do such work, labor performed by inmates of institutions, workers included in the list of hired machinery and handicraft work.

5 - FARM POPULATION

Data on this subject include all members of the holder's household (full-time holders, part-

time holders, children and farmers' relatives, living on the farm but not engaged in agriculture).

The term "household" was defined as the aggregate of persons generally bound by ties of kinship who normally reside under the same roof, i.e., the head of the family, and the relatives living with him.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data include the number of agricultural machines found on the holding at the time of the interview.

7 - IRRIGATION AND DRAINAGE

An irrigated area was defined as land normally supplied with water other than rain water for irrigation purposes.

* * *

SOURCE: Malta. *Report of the census of agriculture, 1960*; compiled and published by the Central Office of Statistics. 13 April 1962.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

MALTA AND GOZO

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings	
Number	11 747
Area	18 449
Age of the holder ¹	
Number of holders reporting	11 725
Number of holders:	
Under 30 years of age.	(467)
30-39 years of age.	(1 539)
40-49 years of age.	(2 392)
50-59 years of age.	(3 186)
60-69 years of age.	(2 593)
70 years of age and over	(1 548)
Main occupation of the holder ¹	
Number of holders with:	
Agricultural main occupation.	4 934
Nonagricultural main occupation.	6 791
Number and area of holdings, by tenure	
Holdings operated under one form of tenure	
Holdings owned by the holder or in owner-like possession	
Number	907
Area	625
Holdings rented from others	
Number	8 479
Area	11 959
Holdings operated under more than one form of tenure	
Number	2 361
Area	5 865
More than 50% owned	
Number	(372)
Area	(683)
More than 50% rented	
Number	(1 926)
Area	(5 122)
All other	
Number	(63)
Area	(60)
Area in holdings, by tenure	
Area owned by the holder or in ownerlike possession	
	2 095
Area rented from others	16 354

1 - LAND UTILIZATION

Utilization of land in holdings (area)	
Cropland	16 057
Other land	2 392

2 - CROPS - AREA AND PRODUCTION

Crops on arable land	
Wheat	
Area	2 010
Production	2 912
Barley and maslin	
Area	1 656
Production	2 215
Broad beans	
Area	765
Production	911

Edible dry beans

Area	146
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Vetches

Area	754
Production	1 687

Potatoes

Area	3 159
Production	26 727

Onions

Area	264
Production	2 017

Cotton

Area	3
Production	2

Cumin seed

Area	2
Production	2

Clover

Area	2 948
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Alfalfa

Area	7
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Other temporary fodder crops

Area	3 973
Production	21 845

Cabbage

Area	131
Production	1 273

Melons

Area	401
Production	2 079

Tomatoes

Area	641
Production	5 104

Cauliflower

Area	355
Production	3 170

Green onions

Area	94
Production	617

Other vegetables

Area	1 805
Production	17 273

Flowers

Area	35
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Bulbs and seeds

Area	23
------------	----

Permanent crops

Citrus trees

Area	51
Total number of trees	26 562
Of productive age.	(23 669)
Of nonproductive age.	(2 893)

¹Excludes 22 unclassified holdings registered by Religious Orders and other institutions.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

MALTA AND GOZO

Not classified by size of holding

Apples, pears, and other stone fruits

Area	292
Total number of trees	258 650
Of productive age	(237 851)
Of nonproductive age	(20 799)

Figs

Area	37
Total number of trees	21 434
Of productive age	(18 416)
Of nonproductive age	(3 018)

Prickly pears

Area	106
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Grapes

Area	1 039
Production	3 078
Total number of vines	3 772 550
Of productive age	(3 412 386)
Of nonproductive age	(360 164)

Other fruit trees

Area	75
Total number of trees	33 598
Of productive age	(24 332)
Of nonproductive age	(9 266)

4 - EMPLOYMENT IN AGRICULTURE¹

Number of persons employed in agricultural work on the holding

All persons	16 294
Male	(12 713)
Female	(3 581)
Full-time workers	7 481
Male	(6 435)
Female	(1 046)
Part-time workers	8 813
Male	(6 278)
Female	(2 535)
Holders	10 107
Male	(9 480)
Female	(627)
Full-time holders	4 934
Male	(4 626)
Female	(308)
Part-time holders	5 173
Male	(4 854)
Female	(319)

Total number of man-days worked on the holding

2 802 892

Holder and unpaid members of his household

(2 665 359)

Paid workers on the holding

(137 533)

5 - FARM POPULATION¹

Members of the holder's household

Number of holdings reporting	11 725
Total number of persons	54 973
Male	27 720
Under 14 years of age	(9 258)
14 years of age and over	(18 462)
Female	27 253
Under 14 years of age	(8 932)
14 years of age and over	(18 321)

Farm population according to dependency²

Agriculture	
Number of persons	16 294
Nonagriculture	
Number of persons	20 489

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Selected agricultural equipment on the holding (number)

Tractors (total)	1 243
Wheel tractors	(13)
Track-laying tractors	(32)
Garden tractors and other one-axle motorized equipment	(1 198)
Rotary tillers	1 152
Sprayers	681
Hand-operated	(587)
Motor-driven	(94)
Threshers	19
Grinding and mixing machines	7
Plow attachments and other attachments	259
Milking machines	12
Jeeps, trucks and vans	1 006
Water pumps	704

7 - IRRIGATION AND DRAINAGE

Land actually irrigated

Area (total)	702
Area supplied with water from the holding itself	(636)
Area supplied with water from outside the holding	(35)
Area supplied with water from inside and outside the holding	(31)

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Number of horses	1 875
Number of mules	1 672
Number of asses	2 573

Cattle

Number of holdings reporting	1 224
Total number of cattle	6 611
Under 2 years of age	(1 464)
2 years of age and over	(5 147)

Cattle classified by use or purpose

Cows	4 102
Heifers in calf	622
Other heifers 2 years of age and over	108
Bulls used as draft animals	178
Bulls used for service	456
Other cattle	1 145

Sheep

Number of holdings reporting	4 979
Total number of sheep	13 016
Lambs under 1 year of age	1 927
Sheep 1 year of age and over	11 089
Male	(160)
Female	(10 929)

Goats

Number of holdings reporting	5 890
Total number of goats	34 688
Under 1 year of age	4 701
1 year of age and over	29 987
Male	(525)
Female	(29 462)

Pigs

Number of holdings reporting	1 341
Total number of pigs	14 046
Under 5 months of age	7 077
5 months of age and over	6 969
Sows and gilts for breeding	(2 367)
All other pigs	(4 602)

Poultry and rabbits

Number of holdings reporting poultry	9 236
Number of poultry	344 483
Number of holdings reporting rabbits	8 114
Number of rabbits	52 545

¹Excludes 22 unclassified holdings registered by Religious Orders and other institutions. ²Refers only to persons 14 years of age and over.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

MALTA AND GOZO

Classified by size of holding

	All sizes of holdings	Under 1.12 ha	1.12 and under 2.25 ha	2.25 and under 3.37 ha	3.37 and under 4.50 ha	4.50 and under 5.62 ha	5.62 and under 10.12 ha	10.12 and under 17.99 ha	17.99 ha and over
		Under 10 tmien	10 and under 20 tmien	20 and under 30 tmien	30 and under 40 tmien	40 and under 50 tmien	50 and under 90 tmien	90 and under 160 tmien	160 tmien and over
0 - HOLDER, HOLDING AND TENURE									
Number and area of holdings									
Number.....	11 747	6 300	2 781	1 267	628	372	346	43	10
Percentage distribution	100.0	53.6	23.7	10.8	5.3	3.2	2.9	0.4	0.1
Area.....	18 449	3 186	4 404	3 434	2 414	1 835	2 397	523	256
Percentage distribution	100.0	17.3	23.9	18.6	13.1	9.9	13.0	2.8	1.4
Age of the holder¹									
Number of holders reporting.....	11 725	6 284	2 780	1 266	627	372	345	42	9
Number of holders:									
Under 30 years of age	(467)	(290)	(102)	(43)	(12)	(9)	(10)	(1)	(—)
30-39 years of age	(1 539)	(865)	(383)	(156)	(62)	(45)	(22)	(3)	(3)
40-49 years of age	(2 392)	(1 251)	(600)	(242)	(133)	(86)	(71)	(7)	(2)
50-59 years of age	(3 186)	(1 627)	(767)	(366)	(187)	(115)	(110)	(12)	(2)
60-69 years of age	(2 593)	(1 312)	(623)	(303)	(156)	(84)	(99)	(15)	(1)
70 years of age and over	(1 548)	(939)	(305)	(156)	(77)	(33)	(33)	(4)	(1)
Main occupation of the holder¹									
Number of holders with:									
Agricultural main occupation	4 934	1 333	1 511	918	512	312	306	36	6
Nonagricultural main occupation	6 791	4 951	1 269	348	115	60	39	6	3
Number and area of holdings, by tenure									
Holdings operated under one form of tenure									
Holdings owned by the holder or in owner-like possession									
Number.....	907	768	96	22	5	7	6	2	1
Area.....	625	283	147	59	19	34	41	24	18
Holdings rented from others									
Number.....	8 479	4 902	1 968	823	380	198	177	23	8
Area.....	11 959	2 493	3 092	2 223	1 466	978	1 223	283	201
Holdings operated under more than one form of tenure									
Number.....	2 361	630	717	422	243	167	163	18	1
Area.....	5 865	410	1 165	1 152	929	823	1 133	216	37
More than 50% owned									
Number.....	(372)	(155)	(120)	(45)	(30)	(6)	(13)	(3)	(—)
Area.....	(683)	(101)	(197)	(118)	(112)	(30)	(88)	(37)	(—)
More than 50% rented									
Number.....	(1 926)	(429)	(587)	(373)	(212)	(161)	(148)	(15)	(1)
Area.....	(5 122)	(289)	(953)	(1 023)	(814)	(793)	(1 034)	(179)	(37)
All other									
Number.....	(63)	(46)	(10)	(4)	(1)	(—)	(2)	(—)	(—)
Area.....	(60)	(20)	(15)	(11)	(3)	(—)	(11)	(—)	(—)
Area in holdings, by tenure									
Area owned by the holder or in ownerlike possession	2 095	434	489	357	240	183	298	76	18
Area rented from others.....	16 354	2 752	3 915	3 077	2 174	1 652	2 099	447	238
1 - LAND UTILIZATION									
Utilization of land in holdings (area)									
Cropland.....	16 057	2 990	4 035	3 072	2 114	1 587	1 874	322	63
Other land	2 392	196	369	362	300	248	523	201	193
2 - LIVESTOCK AND POULTRY									
Horses, mules and asses									
Number of horses	1 875	538	561	349	205	105	107	8	2
Number of mules	1 672	201	449	379	244	175	186	33	5
Number of asses.....	2 573	1 009	857	334	158	103	98	11	3
Cattle									
Number of holdings reporting.....	1 224	265	389	223	129	97	98	20	3
Total number of cattle	6 611	1 875	1 590	1 182	759	449	550	142	64
Under 2 years of age	(1 464)	(321)	(363)	(294)	(187)	(112)	(138)	(36)	(13)
2 years of age and over.....	(5 147)	(1 554)	(1 227)	(888)	(572)	(337)	(412)	(106)	(51)
Cattle classified by use or purpose									
Cows	4 102	1 324	965	700	462	265	285	65	36
Heifers in calf	622	107	174	126	62	46	79	18	10
Other heifers 2 years of age and over ..	108	18	25	6	14	8	21	16	—
Bulls used as draft animals	178	61	37	42	17	10	7	4	—
Bulls used for service	456	117	121	80	57	22	38	12	9
Other cattle	1 145	248	268	228	147	98	121	27	9

¹ Excludes 22 unclassified holdings registered by Religious Orders and other institutions.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

MALTA AND GOZO

Classified by size of holding

	All sizes of holdings	Under 1.12 ha	1.12 and under 2.25 ha	2.25 and under 3.37 ha	3.37 and under 4.50 ha	4.50 and under 5.62 ha	5.62 and under 10.12 ha	10.12 and under 17.99 ha	17.99 ha and over
		Under 10 tmien	10 and under 20 tmien	20 and under 30 tmien	30 and under 40 tmien	40 and under 50 tmien	50 and under 90 tmien	90 and under 160 tmien	160 tmien and over
Sheep									
Number of holdings reporting.....	4 979	1 733	1 460	782	448	258	257	36	5
Total number of sheep	13 016	3 415	3 768	2 259	1 380	892	1 071	186	45
Lambs under 1 year of age.....	1 927	580	575	338	190	95	114	30	5
Sheep 1 year of age and over	11 089	2 835	3 193	1 921	1 190	797	957	156	40
Male	(160)	(23)	(34)	(29)	(23)	(20)	(25)	(5)	(1)
Female.....	(10 929)	(2 812)	(3 159)	(1 892)	(1 167)	(777)	(932)	(151)	(39)
Goats									
Number of holdings reporting.....	5 890	2 431	1 656	804	438	262	262	31	6
Total number of goats	34 688	12 903	9 882	5 178	2 661	1 245	2 446	299	74
Under 1 year of age	4 701	1 579	1 461	728	400	153	313	45	22
1 year of age and over.....	29 987	11 324	8 421	4 450	2 261	1 092	2 133	254	52
Male	(525)	(192)	(144)	(84)	(38)	(18)	(41)	(3)	(5)
Female.....	(29 462)	(11 132)	(8 277)	(4 366)	(2 223)	(1 074)	(2 092)	(251)	(47)
Pigs									
Number of holdings reporting.....	1 341	414	360	216	132	107	99	12	1
Total number of pigs	14 046	4 371	3 282	2 310	1 236	1 105	1 072	282	388
Under 5 months of age	7 077	2 342	1 649	1 197	456	557	449	140	287
5 months of age and over.....	6 969	2 029	1 633	1 113	780	548	623	142	101
Sows and gilts for breeding.....	(2 367)	(721)	(611)	(403)	(236)	(128)	(160)	(36)	(72)
All other pigs	(4 602)	(1 308)	(1 022)	(710)	(544)	(420)	(463)	(106)	(29)
Poultry and rabbits									
Number of holdings reporting poultry	9 236	4 561	2 310	1 097	558	340	320	40	10
Number of poultry.....	344 483	133 104	92 941	49 909	27 791	16 628	17 163	2 788	4 159
Number of holdings reporting rabbits.....	8 114	4 127	1 952	939	489	290	273	34	10
Number of rabbits	52 545	24 046	12 846	6 850	3 929	2 125	2 229	388	132
4 - EMPLOYMENT IN AGRICULTURE ¹									
Number of persons employed in agricultural work on the holding									
Holders	10 107	5 114	2 522	1 163	591	347	326	38	6
Male	(9 480)	(4 733)	(2 376)	(1 113)	(569)	(332)	(316)	(36)	(5)
Female.....	(627)	(381)	(146)	(50)	(22)	(15)	(10)	(2)	(1)
Full-time holders.....	4 934	1 333	1 511	918	512	312	306	36	6
Male	(4 626)	(1 204)	(1 415)	(878)	(495)	(299)	(296)	(34)	(5)
Female.....	(308)	(129)	(96)	(40)	(17)	(13)	(10)	(2)	(1)
Part-time holders.....	5 173	3 781	1 011	245	79	35	20	2	—
Male	(4 854)	(3 529)	(961)	(235)	(74)	(33)	(20)	(2)	(—)
Female.....	(319)	(252)	(50)	(10)	(5)	(2)	(—)	(—)	(—)
5 - FARM POPULATION ¹									
Members of the holder's household									
Number of holdings reporting.....	11 725	6 284	2 780	1 267	627	371	345	42	9
Total number of persons	54 973	27 772	13 410	6 140	3 319	2 052	1 939	301	40
Male	27 720	13 930	6 776	3 093	1 714	1 026	1 008	156	17
Under 14 years of age	(9 258)	(4 761)	(2 349)	(973)	(534)	(302)	(287)	(46)	(6)
14 years of age and over	(18 462)	(9 169)	(4 427)	(2 120)	(1 180)	(724)	(721)	(110)	(11)
Female.....	27 253	13 842	6 634	3 047	1 605	1 026	931	145	23
Under 14 years of age	(8 932)	(4 584)	(2 220)	(951)	(507)	(331)	(287)	(46)	(6)
14 years of age and over	(18 321)	(9 258)	(4 414)	(2 096)	(1 098)	(695)	(644)	(99)	(17)
Farm population according to dependency ²									
Agriculture									
Number of persons	16 294	6 657	4 124	2 285	1 328	884	872	132	12
Nonagriculture									
Number of persons	20 489	11 770	4 717	1 931	950	535	493	77	16
7 - IRRIGATION AND DRAINAGE									
Land actually irrigated									
Area (total).....	702	502	135	23	19	4	19	—	—
Area supplied with water from the holding itself	(636)	(457)	(122)	(23)	(15)	—	(19)	—	—
Area supplied with water from outside the holding	(35)	(25)	(6)	—	(4)	—	—	—	—
Area supplied with water from inside and outside the holding	(31)	(20)	(7)	—	—	(4)	—	—	—

¹ Excludes 22 unclassified holdings registered by Religious Orders and other institutions. ² Refers only to persons 14 years of age and over.

Date of the census and time reference

The agricultural census was conducted by means of a postal survey. Holders were requested to complete the census questionnaire and return it not later than 15 February 1960.

Most data refer to 31 January 1960, except those on land utilization, area and production of crops, fertilizers and soil dressings which refer to the period 1 February 1959 to 31 January 1960.

Method of collection and processing of census data

Census questionnaires were sent to all holders operating land with an area of 10 acres or over. The census covered also Maori holdings, i.e., those occupied by a full-blooded, three-quarter or half-caste Maori. Valuation department records were used in an endeavor to cover all rural land to which title was held. Holdings under 10 acres of area were excluded from the census, unless run in conjunction with larger holdings.

Much of the data were obtained from information transferred to punched cards for detailed analysis and tabulation.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

A holding was defined as any area of 10 acres or over in extent, situated outside borough boundaries. Two or more properties (including run-offs) operated in conjunction as one unit, even though not necessarily adjacent, were considered one holding. Two or more units carried on independently of each other by the same holder were considered as separate holdings. Areas of 10 acres and over in extent used exclusively for

industrial, ornamental or pleasure purposes were not considered as holdings unless they grazed livestock on 31 January 1960.

Tenure

Area owned by the holder or in ownerlike possession includes freehold land and land held on the deferred payment system. Land owned in partnership is also included in this category. Figures on land operated by managers, caretakers or sharecroppers were reported as applying to the actual owner or proprietor.

Area rented from others includes all land leased from private individuals, land leased from public bodies, land leased from Maoris and leased Crown land, including licenses. This category included also land operated by sharecroppers (sharemilkers), provided the owner was resident elsewhere.

1 - LAND UTILIZATION

Arable land

This includes cereals harvested for grain, pulses, root crops, New Zealand flax, vegetables, whether for food consumption or for fodder, and land plowed and left fallow for the season. Where two or more crops were successively harvested from the same piece of land during the season, the acreage of the second and the eventual third crop was excluded.

Land under permanent crops

This includes area under orchards, market gardens and nurseries.

Land under permanent meadows and pastures

This includes pastures established before 31 January 1959, tussock and naturally established danthonia.

NEW ZEALAND

Wood or forest land

This includes standing native bush or forest and plantations of timber trees.

All other land

This includes residence, outbuildings, yards, private gardens and grounds, including orchard area of less than $\frac{1}{4}$ acre, fern, scrub, rushes, etc., and barren areas useless for grazing and incapable of being made productive (sand, mar-ram grass, shingle and also internal roads, dams, drains, water races, etc.)

2 - CROPS

Particulars on area and production of crops refer to the season 1959/60. This means that the returns include crops planted in 1959 — autumn or spring planting — and harvested during the earlier months of 1960. Data include also crops with which grasses and clovers have been sown.

3 - LIVESTOCK AND POULTRY

Data refer to livestock on the holding on 31 January 1960 irrespective of ownership. However, livestock grazed temporarily on the holding by other persons was included in the return made by the owner of such stock if he had a holding elsewhere.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Only machinery in use or intended for use in farming was enumerated. Machinery worn out or discarded was not included. In the case where machinery was shared, return was made on the holding where it was located at 31 January 1960.

8 - FERTILIZERS AND SOIL DRESSINGS

The area treated with artificial fertilizers and lime covers grazing land (including lucerne) only, top-dressed once or more during the 12 months ended 31 January 1960.

* * *

SOURCE: New Zealand. Department of Statistics. *Report on the farm production statistics of New Zealand for the season 1959/1960*. Wellington, 1961. *Report on the census of agriculture of New Zealand for the year 1959/1960* (conducted as part of the world census of agriculture of the Food and Agriculture Organization of the United Nations). Compiled in the Department of Statistics, Wellington, 1963. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume I, *Census results by countries*, Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

NEW ZEALAND

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings	
Number	76 928
Area	17 813 567
Number and area of holdings, by tenure	
Holdings operated under one form of tenure	
Holdings owned by the holder or in owner-like possession	
Number	48 065
Area	7 721 443
Of which:	
Owned in partnership	
Number	(3 950)
Area	(1 982 331)
Holdings rented from others	
Number	15 682
Area	3 163 246
Of which:	
For a share in the produce	
Number	(2 107)
Area	(145 478)
Holdings operated under more than one form of tenure	
Number	9 498
Area	3 704 182
Holdings operated by managers	
Number	3 683
Area	3 224 696
Area in holdings, by tenure	
Area owned by the holder or in ownerlike possession	
Area	9 038 643
Area rented from others	8 774 924

1 - LAND UTILIZATION

Utilization of land in holdings (area)	
Arable land	456 718
Land under permanent crops	12 413
Permanent meadows and pastures	12 781 954
Wood or forest land	1 479 385
All other land	3 083 097

2 - CROPS - AREA AND PRODUCTION

Crops on arable land	
Wheat	
Number of holdings reporting	6 554
Area	66 027
Production	236 776
Maize	
Area	3 374
Production	17 848
Barley	
Area	25 291
Production	71 143
Oats	
Area	13 566
Production	33 115
Edible dry peas	
Area	11 481
Production	25 141
Potatoes	
Area	8 664
Production	159 324

Onions

Area	516
Production	15 487

New Zealand flax

Area	15 997
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Linen flax

Area	283
------------	-----

Wheat cut for hay or silage

Area	1 278
------------	-------

Maize cut for hay or silage

Area	2 562
------------	-------

Barley cut for hay or silage

Area	4 275
------------	-------

Oats cut for hay or silage

Area	19 036
------------	--------

Grasses and clovers cut for hay and silage

Area	352 111
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Alfalfa (lucerne) cut for hay and silage

Area	56 355
------------	--------

Kale for fodder

Area	4 883
------------	-------

Marrowstem kale for fodder

Area	35 786
------------	--------

Swedes for fodder

Area	73 987
------------	--------

Turnips for fodder

Area	86 255
------------	--------

Rape for fodder

Area	59 650
------------	--------

Turnips and rape mixed for fodder

Area	16 498
------------	--------

Vegetable crops for processing

Area	4 421
------------	-------

Crops grown for seed

Area	54 031
------------	--------

Other crops on arable land

Area	15 650
------------	--------

3 - LIVESTOCK AND POULTRY

Horses

Number of horses	104 995
------------------------	---------

Cattle

Total number of cattle	5 991 938
Male	(1 182 209)
Female	(4 809 729)
Dairy cattle	2 972 776
Dairy cows in milk	(1 886 672)
Other dairy cattle	(1 086 104)
Beef cattle	3 019 162
Beef cows used for breeding	(968 385)
Bulls and steers of all ages	(1 088 821)
Other beef cattle	(961 956)

Area: in hectares
Production: in metric tons
(unless otherwise specified)

NEW ZEALAND

Not classified by size of holding

Sheep	
Number as at 30 June 1960 ¹	47 133 557
Number as at 31 January 1960, clipped during the previous 12 months	55 189 979
Pigs	
Number of pigs	660 261
Of which:	
Sows for breeding 1 year of age and over	(87 824)

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Selected agricultural equipment on the holding (number)	
Electric motors (over $\frac{1}{4}$ hp)	122 758
Tractors (total)	78 415
Wheel tractors	65 166
Less than 20 hp	(12 489)
20 hp and over	(52 677)

Track-laying tractors	13 249
Less than 20 hp	(1 899)
20 hp and over	(11 350)
Rakes	34 552
Harvesters	5 946
Header harvesters	(4 746)
Forage harvesters	(1 200)
Pick-up balers	7 932
Milking machines (plants)	36 721
Cream separators	30 608
Stationary shearing machines (plants)	28 922
Trucks	28 312

8 - FERTILIZERS AND SOIL DRESSINGS

Area treated with fertilizers and soil dressings	
Artificial fertilizers	2 889 507
Lime	170 738
Both artificial fertilizers and lime	540 317

¹Information collected from sheep owners; data include also sheep within boroughs.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

NEW ZEALAND
Classified by size of holding

	All holdings 4.05 ha and over	4.05 and under 10.12 ha	10.12 and under 20.23 ha	20.23 and under 50.59 ha	50.59 and under 101.17 ha	101.17 and under 202.34 ha	202.34 and under 404.68 ha	404.68 and under 1011.70 ha	1011.70 and under 2023.40 ha	2023.40 ha and over
		10 and under 25 acres	25 and under 50 acres	50 and under 125 acres	125 and under 250 acres	250 and under 500 acres	500 and under 1000 acres	1000 and under 2500 acres	2500 and under 5000 acres	5000 acres and over
0 - HOLDER, HOLDING AND TENURE										
Number and area of holdings										
Number	76 928	6 174	5 547	18 745	17 372	13 585	8 488	4 680	1 322	1 015
Percentage distribution	100.0	8.0	7.2	24.4	22.6	17.7	11.0	6.1	1.7	1.3
Area	17 813 567	39 176	82 134	656 601	1 251 451	1 948 504	2 363 983	2 832 382	1 836 779	6 802 557
Percentage distribution	100.0	0.2	0.5	3.7	7.0	10.9	13.3	15.9	10.3	38.2
2 - CROPS										
Crops on arable land										
Wheat										
Number of holdings reporting	6 554	95	116	643	1 514	2 312	1 336	410	68	60
3 - LIVESTOCK AND POULTRY										
Cattle										
Total number of cattle	5 991 938	23 592	79 325	1 018 223	1 313 204	934 909	863 746	883 943	415 648	459 348
Dairy cattle	(2 972 776)	(19 778)	(70 037)	(970 112)	(1 173 589)	(500 473)	(166 779)	(54 753)	(10 334)	(6 921)
of which:										
Dairy cows in milk	1 886 672	10 922	43 427	650 666	746 102	298 053	96 118	31 151	6 477	3 756
Beef cattle.....	(3 019 162)	(3 814)	(9 288)	(48 111)	(139 615)	(434 436)	(696 967)	(829 190)	(405 314)	(452 427)
Sheep										
Number clipped, excluding lambs	44 010 092	76 896	174 826	1 133 332	4 279 247	10 023 847	10 496 341	8 842 993	3 862 887	5 119 723
Pigs										
Sows for breeding, 1 year of age and over.....	87 824	1 432	3 699	30 170	32 454	13 554	4 529	1 645	168	173

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

NEW ZEALAND

	1950	1960		1950	1960
0 - HOLDER, HOLDING AND TENURE			1 - LAND UTILIZATION ²		
Number and area of holdings, by size ¹			Utilization of land in holdings (area)		
All holdings 4.05 ha and over			Arable land	419 360	456 718
Number	77 753	76 928	Land under permanent crops..	14 431	12 413
Area	17 442 255	17 813 557	Permanent meadows and pastures	12 594 635	12 781 954
Holdings 4.05 and under 10.12 ha			Wood or forest land.....	1 507 577	1 479 385
Number	7 606	6 174	All other land	2 929 306	3 083 097
Area	47 820	39 176			
Holdings 10.12 and under 20.23 ha			2 - CROPS - AREA AND PRODUCTION		
Number	6 439	5 547	Wheat		
Area	95 419	82 134	Area	50 649	66 027
Holdings 20.23 and under 101.17 ha			Production	133 349	236 776
Number	36 716	36 117	Maize		
Area	1 889 054	1 908 052	Area	1 930	3 374
Holdings 101.17 and under 202.34 ha			Production	11 761	17 848
Number	12 347	13 585	Barley		
Area	1 763 641	1 948 504	Area	22 983	25 291
Holdings 202.34 and under 404.68 ha			Production	55 198	71 143
Number	7 743	8 488	Oats		
Area	2 162 695	2 363 983	Area	21 304	13 566
Holdings 404.68 and under 1,011.70 ha			Production	47 541	33 115
Number	4 566	4 680	Peas		
Area	2 776 995	2 832 382	Area	16 721	11 481
Holdings 1,011.70 and under 2,023.40 ha			Production	33 821	25 141
Number	1 324	1 322	Potatoes		
Area	1 852 921	1 836 779	Area	7 201	8 664
Holdings 2,023.40 ha and over			Production	137 616	159 324
Number	1 012	1 015	New Zealand flax		
Area	6 853 710	6 802 557	Area	16 528	15 997
Average size of holding	224.3	231.6	Oats cut for hay or silage		
Number of holdings, by tenure ²			Area	44 073	19 036
Holdings operated under one form of tenure			Grasses and clovers cut for hay and silage		
Holdings owned by the holder or in ownerlike possession...	56 330	48 065	Area	234 864	352 111
Of which:			Alfalfa (lucerne) cut for hay and silage		
Owned in partnership...	(1 242)	(3 950)	Area	21 060	56 355
Rented from others	20 147	15 682	Swedes for fodder		
Of which:			Area	70 817	73 987
For a share in the produce	(2 303)	(2 107)	Turnips for fodder		
Holdings operated under more than one form of tenure.....	11 281	9 498	Area	75 985	86 255
Holdings operated by managers	2 532	3 683			
Area in holdings, by tenure ²			3 - LIVESTOCK AND POULTRY		
Area owned by the holder or in ownerlike possession.....	8 572 413	9 038 643	Horses		
Area rented from others.....	8 892 896	8 774 924	Number of horses.....	194 877	104 995
			Cattle		
			Number of cattle	4 954 906	5 991 938

¹ For purposes of comparison, holdings under 10 acres (4.05 ha) have been excluded from the 1950 census data. ² The 1950 census of agriculture covered holdings of 1 acre (0.40 ha) and over, while the 1960 census includes only holdings of 10 acres (4.05 ha) and over.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

NEW ZEALAND

	1950	1960		1950	1960
Sheep			Rakes	26 439	34 552
Number as at 30 April 1950 and 30 June 1960.....	33 856 558	47 133 557	Header harvesters	3 121	4 746
Number clipped during the cen- sus year	37 872 941	55 189 979	Milking machines (plants)	36 368	36 721
Pigs			Stationary shearing machines (plants)	18 791	28 922
Number of pigs	555 245	660 261	Trucks	25 419	28 312
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES ²			8 - FERTILIZERS AND SOIL DRESSINGS ²		
Selected agricultural equipment on the holding (number)			Area treated with fertilizers and soil dressings		
Electric motors (over 1/4 hp)	110 683	122 758	Artificial fertilizers	1 519 288	2 889 507
Tractors (total)	34 918	78 415	Lime	238 603	170 738
Wheel tractors	(31 164)	(65 166)	Both artificial fertilizers and lime	564 336	540 317
Track-laying tractors	(3 754)	(13 249)			

² The 1950 census of agriculture covered holdings of 1 acre (0.40 ha) and over, while the 1960 census includes only holdings of 10 acres (4.05 ha) and over.

Date of the census and time reference

The enumeration started on 2 January 1961 and was completed on 31 March 1961. Agricultural census data refer to the crop year 1960/61.

Method of collection and processing of census data

The census was carried out by sampling. A list of the farm households was used as the frame for the selection of the sample. This list was based on the housing list prepared for the population census. The enumerators were required to ask three additional questions, namely:

1. Is any livestock kept?
2. How many acres of land are operated?
3. What is the main crop?

The answers to these questions permitted the preparation of the list of farm households.

The farm households in each district were first stratified according to the following size classes:

- (a) under 5 acres;
- (b) 5 and under 10 acres;
- (c) 10 and under 25 acres;
- (d) 25 and under 100 acres;
- (e) 100 acres and more;
- (f) without land.

In each stratum (a), (b) and (c), farm households were then arranged according to the main crop in the holding, e.g., rice, rubber, coconut. The main crop was considered as the crop occupying the largest extent of area; in the case of more than one crop occupying the same area, the permanent one or the more economic of the two was considered as the main crop. A systematic random sample was taken for the size classes (a),

(b), (c) and (f), for which the sampling fractions were: one twentieth for (a) and (f); one tenth for (b); and one fifth for (c). Size classes (d) and (e) were completely enumerated.

Two different questionnaires were used for the enumeration: one for holdings with an area of less than 100 acres, and another for those operating 100 acres or more and for agricultural enterprises other than farm households.

Except in cases of holdings of 100 acres and over, all data were obtained by the interview method through a visit to every household. Information for holdings with 100 acres or more and agricultural enterprises other than farm households was collected by means of a mailed questionnaire.

Scope and definition of items**0 - HOLDER, HOLDING AND TENURE***Holding*

An agricultural holding was defined as a household engaged in agricultural production. Agricultural enterprises other than farm households were also considered as holdings. A household was defined as "one person or group of persons living as a single economic unit." Thus, land that was operated under one farm household was not limited to the land operated by the head of the household only but also included all land operated by other members of the household. Land used in partnership with other households, or land used in common by the whole community, was excluded from the census.

Tenure

Area owned by the holder or in ownerlike possession includes land on which any member of the household possesses title of ownership or operates it in an ownerlike way even without

¹ Parts of certain districts, specified as "less accessible areas," were not covered by the census. Two complete districts — Pensiangan and Kinabatangan — were omitted.

NORTH BORNEO

an ownership title. Native customary rights, hereditary tenure, etc., are included in this category.

Area rented from others includes land rented for a fixed amount of money or produce or both, as well as land rented for a share of the produce and land under usufructuary mortgages, and land rented in exchange for services.

1 - LAND UTILIZATION

Arable land

This includes land under temporary crops and fallow land, i.e., land which has remained idle for three years or less.

Land under permanent crops

This includes the area under crops which remain on the land for more than one year and give successive harvests without replanting.

Grazing land

This includes meadows and pastures, land under grass existing naturally and the grazing land over which the holder exercises care, such as seeding, fertilizing, etc.

Wood or forest land

This includes land set apart for the collection of timber, wood and other forest products whether planted or natural. It includes also land remaining idle for more than three years.

All other land

This includes the area under roads, drains, building sites, fish ponds, drying floors, smoke houses and wasteland.

For purposes of land utilization classification, in the case of permanent and temporary crops grown together, the whole area was assigned to the permanent or temporary crops depending on which one occupied more than 50 percent of the area under associated cultivation.

2 - CROPS

Under the headings "Other crops on arable land" and "Other permanent crops" were mentioned only those crops which occupied in the holding at least one tenth of an acre.

3 - LIVESTOCK AND POULTRY

Animals belonging to the holder and used only for agricultural purposes were enumerated. Those grazing on communal grazing land or being temporarily away on other holdings were enumerated on the holdings to which they actually belonged.

Animals belonging to more than one holding were enumerated as belonging to that holding which normally looked after them.

4 - EMPLOYMENT IN AGRICULTURE

Information refers to the holders and unpaid members of their household, 12 years of age and over, employed in agricultural work and to the permanent agricultural workers. As permanent workers were considered persons hired on a contract basis for the whole crop season or, in the case of permanent crops, engaged for at least 12 months.

Household work, such as cooking, washing, etc., was not considered as agricultural work.

5 - FARM POPULATION

Farm population is restricted to members of the holder's household who normally reside in the same house and form part of the same economic unit.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

General transport facilities include only the principal means used for the transport of agricultural products for sale outside the holding.

* * *

SOURCE: North Borneo. Department of Agriculture. *Census of agriculture 1961, North Borneo*. Jesselton, 1962.

Area: in hectares
(unless otherwise specified)

NORTH BORNEO

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	42 974
Area	246 789

Number and area of holdings, by tenure

Holdings operated under one form of tenure
Holdings owned by the holder or in ownerlike possession

Number	36 727
Area	232 011

Holdings rented from others

Number	1 940
Area	2 846

Holdings operated under more than one form of tenure

Number	1 943
Area	11 932

Of which holdings with more than 50% of area owned

Number	1 432
Area	8 218

Area in holdings, by tenure

Area owned by the holder or in ownerlike possession	237 900
Area rented from others	8 889

1 - LAND UTILIZATION

Utilization of land in holdings

Arable land

Number of holdings reporting ¹	26 939
Area	43 742

Land under permanent crops

Number of holdings reporting	27 167
Area	114 915

Grazing land

Number of holdings reporting	2 117
Area	5 176

Wood or forest land

Number of holdings reporting	13 771
Area	72 815

All other land

Number of holdings reporting	16 244
Area	10 141

2 - CROPS - AREA

Crops on arable land

Rice

Number of holdings reporting	25 513
Total area	35 150
Of which area irrigated	(10 015)

Maize

Number of holdings reporting	5 338
Area	2 520

Soybeans

Number of holdings reporting	116
Area	43

Potatoes

Number of holdings reporting	331
Area	22

Manioc (cassava)

Number of holdings reporting	5 227
Area	1 285

Sweet potatoes

Number of holdings reporting	2 066
Area	434

Groundnuts (peanuts)

Number of holdings reporting	602
Area	169

Tobacco

Number of holdings reporting	1 537
Area	714

Vegetables

Number of holdings reporting	2 251
Area	338

Other crops on arable land

Number of holdings reporting	1 604
Area	174

Permanent crops

Citrus trees

Number of holdings reporting	1 454
Area	180

Bananas

Number of holdings reporting	6 552
Area	1 401

Pineapples

Number of holdings reporting	1 646
Area	117

Other fruit trees

Number of holdings reporting	4 048
Area	754

Pepper

Number of holdings reporting	59
Area	9

Coffee

Number of holdings reporting	2 503
Area	1 327

Coconuts

Number of holdings reporting	12 587
Area (total)	31 903

Trees of productive age

Number of holdings reporting	7 060
Area	(15 855)

Trees of nonproductive age

Number of holdings reporting	8 274
Area	(16 048)

Rubber

Number of holdings reporting	14 643
Area (total)	75 888

Trees of productive age

Area	(45 277)
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Trees of nonproductive age

Area	(30 611)
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Sago palm

Number of holdings reporting	2 176
Area	1 545

¹ Holdings reporting temporary crops.

Area: in hectares
(unless otherwise specified)

NORTH BORNEO

Not classified by size of holding

Kapok

Number of holdings reporting	475
Area	53

Other permanent crops

Number of holdings reporting	789
Area	2 855

3 - LIVESTOCK AND POULTRY

Horses

Number of holdings reporting	1 665
Total number of horses	4 486
Horses under 3 years of age	1 141
Male	(542)
Female	(599)
Horses 3 years of age and over	3 345
Male	(1 586)
Female	(1 759)

Cattle

Number of holdings reporting	2 566
Total number of cattle ²	14 535
Male	4 737
Female	9 679
Cattle under 2 years of age	6 035
Male	(2 813)
Female	(3 222)
Cattle 2 years of age and over	8 381
Male	(1 924)
Female	(6 457)

Buffaloes

Number of holdings reporting	19 795
Total number of buffaloes	66 787
Male	24 100
Female	42 687
Buffaloes under 3 years of age	21 462
Male	(11 844)
Female	(9 618)
Buffaloes 3 years of age and over	45 325
Male	(12 256)
Female	(33 069)

Sheep

Number of holdings reporting	113
Number of sheep	345

Goats

Number of holdings reporting	4 219
Total number of goats	17 557
Goats under 1 year of age	7 058
Goats 1 year of age and over	10 499
Male	(2 347)
Female	(8 152)

Pigs

Number of holdings reporting	16 786
Total number of pigs	81 058
Pigs under 6 months of age	46 525
Pigs 6 months of age and over	34 533
For breeding	(19 575)
All other pigs	(14 958)

Fowls

Number of holdings reporting	39 377
Number of fowls	648 648

Ducks

Number of holdings reporting	8 231
Number of ducks	68 309

Geese

Number of holdings reporting	1 966
Number of geese	5 429

4 - EMPLOYMENT IN AGRICULTURE

Persons employed in agricultural work on the holding

All persons	126 353
Holders and unpaid members of their households	
Number of households reporting	37 016
Number of persons	109 463
Permanent workers	16 890
Male	13 910
Under 12 years of age	(98)
12 years of age and over	(13 812)
Female	2 980
Under 12 years of age	(181)
12 years of age and over	(2 799)

5 - FARM POPULATION

Holders and members of the holder's household

Number of households reporting	42 818
All persons	238 878
Male	120 289
Under 12 years of age	(52 303)
12 years of age and over	(67 986)
Female	118 589
Under 12 years of age	(47 745)
12 years of age and over	(70 844)

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Use of power on agricultural holdings

Number of holdings reporting the use of:	
Mechanical power	65
Animal power	15 995
Animal and mechanical power	26
Human power only	26 888

Means used to transport products from holdings to first place of sale

Number of holdings reporting transport mainly:	
on foot	9 258
on pack animals	1 484
by bicycle	636
by motor vehicle	8 807
by boat	5 554

²Includes 119 head not classified by sex.

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

NORTH BORNEO
Classified by size of holding

	All sizes of holdings	Holdings without land	Under 2.0 ha Under 5 acres	2.0 and under 4.0 ha 5 and under 10 acres	4.0 and under 10.1 ha 10 and under 25 acres	10.1 and under 40.5 ha 25 and under 100 acres	40.5 ha and over 100 acres and over
0 - HOLDER, HOLDING AND TENURE							
Number and area of holdings							
Number	42 974	2 364	14 845	12 020	10 896	2 631	218
Percentage distribution	100.0	5.5	34.5	28.0	25.4	6.1	0.5
Area	246 789	—	15 865	32 478	65 142	41 809	91 495
Percentage distribution	100.0	—	6.4	13.2	26.4	16.9	37.1
Number and area of holdings, by tenure							
Holdings operated under one form of tenure							
Holdings owned by the holder or in ownerlike possession							
Number	36 727	—	12 606	11 193	10 213	2 530	185
Area	232 011	—	13 779	30 090	61 163	40 357	86 622
Holdings rented from others							
Number	1 940	—	1 551	281	103	1	4
Area	2 846	—	1 385	690	497	39	235
Holdings operated under more than one form of tenure							
Number	1 943	—	688	546	580	100	29
Area	11 932	—	701	1 698	3 482	1 413	4 638
Of which holdings with more than 50% of area owned:							
Number	(1 432)	(—)	(400)	(422)	(509)	(84)	(17)
Area	(8 218)	(—)	(327)	(1 299)	(3 068)	(1 129)	(2 395)
1 - LAND UTILIZATION							
Utilization of land in holdings							
Arable land							
Number of holdings reporting ¹	26 939	—	10 901	7 821	6 842	1 321	54
Area	43 742	—	9 745	12 267	15 627	5 051	1 052
Land under permanent crops							
Number of holdings reporting	27 167	—	5 894	8 838	9 644	2 574	217
Area	114 915	—	4 324	13 197	31 205	25 712	40 477
Grazing land							
Number of holdings reporting	2 117	—	318	521	1 007	242	29
Area	5 176	—	187	398	1 175	381	3 035
Wood or forest land							
Number of holdings reporting	13 771	—	1 672	4 427	5 889	1 659	124
Area	72 815	—	953	5 322	14 776	9 498	42 266
All other land							
Number of holdings reporting	16 244	—	4 339	4 795	5 299	1 693	118
Area	10 141	—	656	1 294	2 359	1 167	4 665
2 - CROPS - AREA							
Crops on arable land							
Rice							
Number of holdings reporting	25 513	—	10 045	7 461	6 627	1 342	38
Total area	35 150	—	8 536	10 083	12 585	3 564	382
Of which area irrigated	(10 015)	—	(1 883)	(3 152)	(3 607)	(1 247)	(126)
Maize							
Number of holdings reporting	5 338	—	2 660	1 522	975	177	4
Area	2 520	—	811	824	678	182	25
Soybeans							
Number of holdings reporting	116	—	60	—	35	21	—
Area	43	—	11	—	8	24	—
Potatoes							
Number of holdings reporting	331	—	143	79	109	—	—
Area	22	—	9	1	12	—	—
Manioc (cassava)							
Number of holdings reporting	5 227	—	2 606	1 533	933	148	7
Area	1 285	—	490	421	311	41	22

¹ Holdings reporting temporary crops only.

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

NORTH BORNEO
Classified by size of holding

	All sizes of holdings	Holdings without land	Under 2.0 ha Under 5 acres	2.0 and under 4.0 ha 5 and under 10 acres	4.0 and under 10.1 ha 10 and under 25 acres	10.1 and under 40.5 ha 25 and under 100 acres	40.5 ha and over 100 acres and over
Sweet potatoes							
Number of holdings reporting	2 066	—	1 094	612	275	83	2
Area	434	—	202	148	65	18	1
Groundnuts (peanuts)							
Number of holdings reporting	602	—	184	247	141	28	2
Area	169	—	10	78	73	7	1
Tobacco							
Number of holdings reporting	1 537	—	716	420	328	72	1
Area	714	—	225	160	136	31	162
Vegetables							
Number of holdings reporting	2 251	—	925	548	670	100	8
Area	338	—	80	86	118	17	37
Other crops on arable land							
Number of holdings reporting	1 604	—	973	378	236	16	1
Area	174	—	83	51	34	6	—
Permanent crops							
Citrus trees							
Number of holdings reporting	1 454	—	445	379	455	172	3
Area	180	—	56	28	59	35	2
Bananas							
Number of holdings reporting	6 552	—	1 942	2 411	1 835	354	10
Area	1 401	—	230	603	411	149	8
Pineapples							
Number of holdings reporting	1 646	—	484	548	486	123	5
Area	117	—	15	35	54	11	2
Other fruit trees							
Number of holdings reporting	4 048	—	1 241	1 076	1 366	354	11
Area	754	—	116	175	333	116	14
Pepper							
Number of holdings reporting	59	—	—	30	20	7	2
Area	9	—	—	2	3	3	1
Coffee							
Number of holdings reporting	2 503	—	649	909	790	146	9
Area	1 327	—	156	396	550	138	87
Coconuts							
Number of holdings reporting	12 587	(—)	3 237	3 960	4 206	1 096	88
Area (total)	31 903	—	2 185	4 977	11 095	7 902	5 744
Trees of productive age							
Number of holdings reporting	7 060	—	1 852	2 065	2 314	755	74
Area	(15 855)	—	(923)	(2 164)	(4 842)	(4 252)	(3 674)
Trees of nonproductive age							
Number of holdings reporting	8 274	—	2 033	2 551	2 940	694	56
Area	(16 048)	—	(1 262)	(2 813)	(6 253)	(3 650)	(2 070)
Rubber							
Number of holdings reporting	14 643	—	1 800	4 600	6 096	1 960	187
Area (total)	75 888	—	1 717	7 020	18 356	16 897	31 898
Trees of productive age							
Area	(45 277)	(—)	(1 017)	(2 727)	(8 028)	(9 239)	(24 266)
Trees of nonproductive age							
Area	(30 611)	(—)	(700)	(4 293)	(10 328)	(7 658)	(7 632)
Sago palm							
Number of holdings reporting	2 176	—	306	666	891	308	5
Area	1 545	—	96	316	603	456	74
Kapok							
Number of holdings reporting	475	—	151	106	185	33	—
Area	53	—	26	5	13	9	—
Other permanent crops							
Number of holdings reporting	789	—	211	225	202	136	15
Area	2 855	—	12	26	51	81	2 685

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

NORTH BORNEO

Classified by size of holding

	All sizes of holdings	Holdings without land	Under 2.0 ha	2.0 and under 4.0 ha	4.0 and under 10.1 ha	10.1 and under 40.5 ha	40.5 ha and over
			Under 5 acres	5 and under 10 acres	10 and under 25 acres	25 and under 100 acres	100 acres and over
3 - LIVESTOCK AND POULTRY							
Horses							
Number of holdings reporting	1 665	58	484	544	473	87	19
Number of horses	4 486	58	858	1 355	1 652	470	93
Cattle							
Number of holdings reporting	2 566	128	636	623	831	305	43
Number of cattle	14 535	444	1 249	2 028	4 800	2 415	3 599
Buffaloes							
Number of holdings reporting	19 795	571	5 967	5 843	5 830	1 485	99
Number of buffaloes	66 787	1 375	15 368	18 331	22 972	7 753	988
Sheep							
Number of holdings reporting	113	—	—	65	47	1	—
Number of sheep	345	—	—	203	134	8	—
Goats							
Number of holdings reporting	4 219	105	1 168	1 200	1 286	411	49
Number of goats	17 557	437	3 675	4 363	5 925	2 327	830
Pigs							
Number of holdings reporting	16 786	901	6 153	4 545	4 083	1 062	42
Number of pigs	81 058	4 308	23 493	22 461	22 333	7 429	1 034
Fowls							
Number of holdings reporting	39 377	1 928	13 405	11 271	10 201	2 451	121
Number of fowls	648 648	25 280	180 435	172 504	193 475	68 409	8 545
Ducks							
Number of holdings reporting	8 231	334	2 091	2 325	2 499	921	61
Number of ducks	68 309	2 170	16 518	19 191	20 536	8 425	1 469
Geese							
Number of holdings reporting	1 966	106	339	406	732	345	38
Number of geese	5 429	374	917	1 068	1 921	1 057	92
4 - EMPLOYMENT IN AGRICULTURE							
Persons employed in agricultural work on the holding							
Holders and unpaid members of their households							
Number of households reporting	37 016	924	13 036	10 682	10 042	2 288	44
Number of persons	109 463	1 773	35 276	31 813	32 195	8 224	182
5 - FARM POPULATION							
Holders and members of the holder's household							
Number of households reporting	42 818	2 364	14 845	12 018	10 891	2 620	80
All persons	238 878	11 435	73 666	66 404	67 009	19 608	756
Male	120 289	5 548	37 150	33 746	33 768	9 671	406
Under 12 years of age	(52 303)	(2 202)	(16 238)	(14 758)	(14 916)	(3 989)	(200)
12 years of age and over	(67 986)	(3 346)	(20 912)	(18 988)	(18 852)	(5 682)	(206)
Female	118 589	5 887	36 516	32 658	33 241	9 937	350
Under 12 years of age	(47 745)	(2 433)	(14 087)	(13 463)	(13 552)	(4 084)	(126)
12 years of age and over	(70 844)	(3 454)	(22 429)	(19 195)	(19 689)	(5 853)	(224)
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES							
Use of power on agricultural holdings							
Number of holdings reporting the use of:							
Mechanical power	65	—	—	—	5	12	48
Animal power	15 995	2	4 824	4 830	5 100	1 201	38
Animal and mechanical power	26	—	—	20	—	6	—
Human power only	26 888	2 362	10 021	7 170	5 791	1 412	132
Means used to transport products from holdings to first place of sale							
Number of holdings reporting transport mainly:							
on foot	9 258	340	3 169	2 695	2 556	490	8
on pack animals	1 484	25	370	460	526	100	3
by bicycle	636	41	106	166	261	61	1
by motor vehicle	8 807	205	1 999	2 437	2 908	1 223	35
by boat	5 554	144	1 764	1 671	1 568	388	19

NORTHERN RHODESIA

European holdings

Date of the census and time reference

The deadline for returning the agricultural census questionnaires was 31 October 1960.

Data on area and production of crops, irrigation and amount of fertilizers used refer to the crop year 1959/60 ending 30 September 1960. Information on the number of trees, livestock and poultry, employment in agriculture, agricultural machinery and source of electric power refers to 30 September 1960.

Method of collection and processing of census data

An annual agricultural census of European farmers is carried out by the Central Statistical Office. Questionnaires are sent out by post to all holders of land of 25 acres (10.12 ha) and over. No enumerators are used, the recipients being obliged by law to complete and return the questionnaire.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

A holding or "agricultural unit" is defined as "land occupied as a unit for agricultural purposes, including any building occupied for a purpose connected with farming." Holdings having less than 25 acres were excluded from the census.

¹ Figures on the production of fruit, vegetables and poultry are necessarily understated due to the exclusion of holdings under 25 acres (10 ha).

Agricultural purposes include horticulture, forestry, fruit growing, seed growing, dairy farming, livestock breeding and keeping, the use of land for grazing, keeping animals for breeding or for the production of food, wool, skins or fur or for use in the farming of land.

When two or more farms held under one ownership were worked separately, they were considered as separate holdings. Adjoining farms under one management, unless in different districts, were treated as one holding and particulars given in one return.

2 - CROPS ¹

Data on area refer to the area planted. Where a whole crop had failed, the total area planted to the crop was shown and a nil entry made for the yield.

3 - LIVESTOCK AND POULTRY ¹

All livestock owned by persons other than Africans (whether for slaughtering or breeding), including stock grazed for other persons, was included. Native-owned stock was excluded.

* * *

SOURCE: Federation of Rhodesia and Nyasaland. *Report on the agricultural production of Southern Rhodesia, Northern Rhodesia and Nyasaland, 1960*. Compiled in the Agricultural Section of the Central Statistical Office, Salisbury, 1961. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume I, *Census results by countries*, Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

NORTHERN RHODESIA

European holdings

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	1 467
Area	1 721 388

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Wheat

Area	473
Production	608

Sorghum

Area	340
Production	299

Maize (total)

Number of holdings reporting	817
Area	42 172
Production	97 504

Hybrid maize

Area	(29 586)
Production	(75 178)

Other maize

Area	(12 586)
Production	(22 326)

Potatoes

Area	417
Production	3 211

Cotton

Area	32
Production sold (unginned)	10

Groundnuts (peanuts)

Area	308
Production (shelled)	106

Sunn hemp seed

Area	1 623
Production	327

Tobacco (total)

Area	6 511
Production sold	6 025

Virginia flue cured

Number of holdings reporting	276
Area	(6 001)
Production sold	(5 658)

Turkish

Area	(186)
Production sold	(108)

Other tobacco

Area	(324)
Production sold	(259)

Fodder crops

Area	8 122
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Vegetables

Area	433
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Peas and beans for seed

Area	1 781
Production	718

Green manure crops

Area	12 812
------------	--------

Planted grass crops

Area	4 456
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Other crops on arable land

Area	870
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Permanent crops

Fruit trees

Number of trees	361 000
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3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Number of horses	362
Number of mules	23
Number of asses	73

Cattle

Total number of cattle	197 108
Calves	36 965
Cows	76 988
Used primarily for milk production	(7 512)
Other cows	(69 476)
Heifers in calf	1 963
Other heifers	28 845
Bulls	3 297
Oxen	49 050
Used as draft animals	(983)
Others	(48 067)

Sheep

Number of sheep	13 072
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Goats

Number of goats	7 425
-----------------------	-------

Pigs

Number of pigs	11 906
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Poultry

Number of fowls	247 302
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4 - EMPLOYMENT IN AGRICULTURE

Males employed in agricultural work on the holding

All persons	28 758
Non-Africans	(1 473)
Africans	(27 285)

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Use and source of power on the holding

Number of holdings reporting source of electric power:	
From a generating authority	29
Produced on holding	335
Both from a generating authority and produced on holding	6

Tractors in use

Number of tractors	2 432
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7 - IRRIGATION AND DRAINAGE

Area of land actually irrigated	1 999
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8 - FERTILIZERS AND SOIL DRESSINGS

Application of fertilizers

Amount applied (metric tons)	18 670
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Area: in hectares
 Production: in metric tons
 (unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

NORTHERN RHODESIA

European holdings
 Classified by size of holding

	All sizes of holdings	10.1 and under 20.6 ha	20.6 and under 40.9 ha	40.9 and under 101.6 ha	101.6 and under 202.7 ha	202.7 and under 405.1 ha	405.1 and under 1012 ha	1012 and under 2024 ha	2024 ha and over
		25 and under 51 acres	51 and under 101 acres	101 and under 251 acres	251 and under 501 acres	501 and under 1001 acres	1001 and under 2501 acres	2501 and under 5001 acres	5001 acres and over
0 - HOLDER, HOLDING AND TENURE									
Number and area of holdings									
Number.....	1 467	109	77	104	131	162	310	369	205
Percentage distribution	100.0	7.4	5.3	7.1	8.9	11.0	21.1	25.2	14.0
Area.....	1 721 388	1 633	2 714	6 916	19 736	51 802	217 684	538 467	882 436
Percentage distribution	100.0	0.1	0.2	0.4	1.1	3.0	12.6	31.3	51.3

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

NORTHERN RHODESIA European holdings

	1950 ¹	1960 ²		1950 ¹	1960 ²
0 - HOLDER, HOLDING AND TENURE			Tobacco		
Number and area of holdings			Area	6 179	6 511
Number	967	1 467	Production sold	3 018	6 025
Area	1 519 457	1 721 388	3 - LIVESTOCK AND POULTRY		
2 - CROPS - AREA AND PRODUCTION			Cattle		
Crops on arable land			Number of cattle.....	136 695	197 108
Wheat			Sheep		
Area	374	473	Number of sheep.....	9 059	13 072
Production.....	326	608	Pigs		
Maize			Number of pigs	5 948	11 906
Area	38 912	42 172	6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
Production.....	51 819	97 504	Selected agricultural equipment on the holdings		
Sunn hemp seed			Tractors		
Area	2 723	1 623	Number of tractors.....	999	2 432 ³
Production.....	471	327			

¹ Includes only holdings of 10 acres (4 ha) and over. ² Includes only holdings of 25 acres (10 ha) and over. ³ In use.

Date of the census and time reference

The period of enumeration varied for West and East Pakistan, but in general the census was carried out from 1 February 1960 to 31 May 1962.

In the case of West and East Pakistan, the agricultural census covered the agricultural year 1 July 1959 to 30 June 1960. In West Pakistan the time reference was *rabi*² 1960/61 and *kharif*² 1961 for unsettled areas of Quetta Division, and *kharif* 1961 and *rabi* 1961/62 in the case of Kalat Division and Lasbela District. In the case of items that refer to a particular point of time, such as livestock and poultry, agricultural machinery, farm population, etc., the reference period for both parts of the country was the date of enumeration.

Method of collection and processing of census data

The method of collection of census data varied for West and East Pakistan.

In **West Pakistan**, the census was taken on the basis of a 20 percent sample of villages, except Kalat Division where the census was taken in 1962 on the basis of a 5 percent sample of villages.

A sample of rural villages was selected with two-way stratification by assessment circles³ and by size of villages. Villages wholly under government forests were excluded. Where no assessment circles existed, as, for instance, in the Divisions of Hyderabad and Khairpur, the *taluka* (village or a group of small villages) was retained

as a stratum. The list of villages was prepared from reports sent by officials of the Revenue Department, containing information on the total area, cultivated area and culturable area of the village. Villages were arranged by size of culturable area and one out of every five systematically selected. All respondents resident in the sample villages were enumerated. In Quetta and Karachi Divisions the sampling fraction of 20 percent was maintained, but size stratification was dropped, and purposive instead of random selection was done in the case of two border *tehsils* (subdistricts). In Kalat Division, however, a straight random sample of 5 percent of the villages in each district was selected.

Information on parcels, area, land tenure and land utilization was collected from the Revenue records; the rest of the information was obtained from direct interviews with holders.

A postenumeration survey was conducted at the end of 1961. It covered a subsample of 138 villages selected at random out of the sample villages of the census.

In **East Pakistan**, a sample of *mouzas* (villages) was selected with two-way stratification by *thanas* (administrative units including group of mouzas) and by size of villages. All respondents resident in selected villages were enumerated.

The list of villages published after the 1951 population census was used as the sampling frame. Mouzas included in the urban area, or which were wholly under government forest, were excluded from the list. Subsequently, the residual villages of the list were arranged thanawise, subdivisionwise and districtwise. In the arrangement of thanas the smaller ones which had less than 80 villages were merged into the bigger ones for selection purposes. The villages thus arranged were systematically selected one out of every ten.

Census information was collected through direct interviews with the holders. A book-type questionnaire was used with space for recording interviews of ten persons.

¹ The agricultural census excluded the following parts of the country: (a) tribal areas in West Pakistan, and (b) Jammu and Kashmir, the final status of which has not yet been determined, Junagadh, Manavadar, Gilgit and Baltistan.

² See 2 - Crops, pages 145-146.

³ Group of villages or estates possessing similar conditions of soil, rainfall, depth of water, climate, type of cultivators, irrigation and crops so that they have similar revenue-paying capacity and uniform assessment rate.

A postenumeration survey was conducted in a subsample of 40 villages.

Data for West and East Pakistan were assembled at Lahore where mechanical processing and tabulation were conducted at the Data Processing Center of the Agricultural Census.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

A holder was defined, for census purposes, as a person or group of persons or a corporation, etc., having direct operational control over the land, whether owned or not. The holder might cultivate or hold or manage the holding either personally or through a hired manager or servant. When more than one person jointly manage a holding, all of them taken together would constitute a holder. If, however, any one or more of them also held or cultivated land separately, they would be treated as a separate holder for the purpose of that additional land only. In no case should the share of land held by one of the joint operators be worked out and added to their individual holdings, if any.

Holding

A holding was defined as the aggregate area of land operated by one person alone or with the assistance of others, without regard to location, size or title, and used wholly or partly for agricultural production.

The area of land located in different villages but under the same operational control was considered as one holding. A livestock holding was defined as a holding without land. It included the livestock kept by a person other than a holder, provided that the number of livestock was not less than one head of cattle or buffalo, or five sheep or goats, or twenty head of poultry. *Joint holdings* were defined as those operated jointly by two or more persons of different households.

Parcel. A parcel was defined as a piece of land forming part of a holding. When a holding was split into pieces not linked with one another in any manner, each piece constituted a parcel.

Tenure

Area owned by the holder or in ownerlike possession includes the area owned by the holder, a mortgagee in possession of land, an allottee of evacuee property and the area of holdings held in ownerlike possession, i.e., a son operating the land in the lifetime of his father.

Area rented from others includes the area for which rent in cash or kind is paid by a tenant. It includes also the area for which a share of the produce is paid by the tenant and the area for which no rent is paid by the holder.

1 - LAND UTILIZATION

Cropland

This includes the net sown area and the area currently fallow. Net sown area means the cultivated holding area actually cropped during the census year regardless of the number of crops cultivated, and including the area under fruit trees for the same year. Cropped area means the aggregate area of crops cultivated on the same land during the census year. Area currently fallow means the cultivated land which was not cropped during the census year, but was harvested during the preceding year.

Wood or forest land

This includes the area under forest trees or wood.

All other land

This includes the holding area which was fit for cultivation but which was not cropped during the census year nor in the preceding year. It includes also the uncultivable area of the holding and the area used for buildings, roads, etc.

2 - CROPS

There are two important crop seasons in Pakistan: kharif and rabi. Kharif crops are sown

PAKISTAN

in summer and harvested in the late summer or early winter. Important kharif crops are jute, sugarcane, sunn hemp, etc. Rabi season crops are sown in winter and harvested in the late winter or early summer. Important rabi crops are wheat, mustard, groundnuts, onions, etc.

In the case of mixed crops, the area was divided between the crops in the mixture according to the local conditions and practice. If the crops, however, differed in their growing and harvesting periods, the whole area was not divided between the crops but assigned to each crop.

As regards temporary crops grown together with permanent crops, the whole area was assigned to each temporary and permanent crop, provided the permanent crop had not yet reached the productive age. If, however, the permanent crop had already reached the productive age, then the whole area was assigned to the permanent crop and the area of the temporary crop was determined according to the local conditions and practice.

3 - LIVESTOCK AND POULTRY

Data represent the number of livestock and poultry held by the holder at the time of the enumeration. Livestock kept by persons, who otherwise qualify as cultivators, was not enumerated separately but included along with the rest of the agricultural operations of the cultivator.

4 - EMPLOYMENT IN AGRICULTURE

Agricultural work includes field work, feeding and care of livestock and poultry, supervision of agricultural workers, hauling farm products to market and hauling feed, fertilizers and other farm supplies from the market and any other work related to the operation of the holding.

Permanently hired workers were considered those receiving regular monthly, quarterly or yearly salaries in cash or kind. It does not include domestic servants or any hired labor employed for less than six months or on a daily wage basis.

5 - FARM POPULATION

Data include the holder and members of his household. The "family" was defined as the aggregate of persons often bound by ties of kinship who normally reside in the same household and share meals with the holder. It includes the head of the family, the relatives living with him and other relatives who depend on the holding for livelihood but did not reside with him at the time of the census. It does not include relatives who have independent means of livelihood or receive rent (cash or kind) from this holder.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data refer to the number of machines owned by the holder at the time of the enumeration.

7 - IRRIGATION AND DRAINAGE

Area irrigated was defined as the area cultivated by means of artificial irrigation, i.e., water from canals, wells, tube wells, etc. Area flooded by rivers was also considered as area irrigated.

8 - FERTILIZERS AND SOIL DRESSINGS

In the case of West Pakistan, information represents the quantities of chemical fertilizers applied during the year preceding the census. For East Pakistan, it represents the amount of chemical fertilizers used during rabi 1958/59 and kharif 1959.

* * *

SOURCE: Pak'stan. Ministry of Food and Agriculture, Agricultural Census Organization. *1960 Pakistan census of agriculture*. Volume 1 (October 1962), *East Pakistan*; Volume 2 (October 1963), *West Pakistan*. Karachi.

NOTE: All information available from the National Report has been included in the table "Classified by size of holding." A separate table: "Not classified by size of holding," therefore, has been omitted.

Area: in hectares

(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

PAKISTAN¹

Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha Under 1.0 acre	0.40 and under 1.01 ha 1.0 and under 2.5 acres	1.01 and under 2.02 ha 2.5 and under 5.0 acres	2.02 and under 3.04 ha 5.0 and under 7.5 acres	3.04 and under 5.06 ha 7.5 and under 12.5 acres	5.06 and under 10.12 ha 12.5 and under 25 acres	10.12 ha and over 25 acres and over
0 - HOLDER, HOLDING AND TENURE									
Number and area of holdings									
Number	12 154 928	1 155 465	2 234 686	2 533 142	2 421 004	1 279 402	1 201 063	916 699	413 467
Percentage distribution	100.0	9.5	18.4	20.8	19.9	10.5	9.9	7.6	3.4
Area	28 592 832	—	420 056	1 688 256	3 498 801	3 131 684	4 660 201	6 312 692	8 881 142
Percentage distribution	100.0	—	1.5	5.9	12.2	10.9	16.3	22.1	31.1
Of which holdings jointly operated									
Number	(1 887 810)	(—)	(364 904)	(384 362)	(345 972)	(217 085)	(232 058)	(210 990)	(132 439)
Area	(6 954 037)	(—)	(65 751)	(245 398)	(502 888)	(532 970)	(902 194)	(1 482 856)	(3 221 980)
Fragmentation									
Number of holdings consisting of:									
1 parcel	2 537 960	—	1 027 256	547 621	347 227	204 096	206 071	155 681	50 008
2-3 parcels	2 861 648	—	850 917	656 282	454 311	242 175	295 039	260 606	102 318
4-5 parcels	1 678 840	—	246 485	542 430	370 011	156 024	148 063	135 728	80 099
6-9 parcels	1 846 511	—	93 138	550 055	586 208	230 396	176 418	130 251	80 045
10 parcels and over	2 074 504	—	16 890	236 754	663 247	446 711	375 472	234 433	100 997
Number and area of holdings, by tenure									
Holdings operated under one form of tenure									
Holdings owned by the holder or in ownerlike possession									
Number	5 728 846	—	1 731 930	1 429 382	1 081 188	532 071	464 322	330 837	159 116
Area	12 292 889	—	310 274	935 574	1 547 157	1 298 905	1 796 350	2 257 538	4 147 091
Holdings rented from others									
Number	2 128 030	—	273 058	380 056	361 419	264 817	358 093	340 864	149 723
Area	7 865 842	—	51 447	239 858	528 847	653 871	1 404 497	2 376 452	2 610 870
Holdings operated under more than one form of tenure									
Number	3 142 587	—	229 698	723 704	978 397	482 514	378 648	244 998	104 628
Area	8 434 101	—	58 337	512 823	1 422 797	1 178 908	1 459 354	1 678 701	2 123 181
Area in holdings, by tenure									
Area owned by the holder or in ownerlike possession	17 295 309	—	339 062	1 220 414	2 371 847	2 005 429	2 683 550	3 248 786	5 426 221
Area rented from others (total) ...	11 297 523	—	80 994	467 842	1 126 954	1 126 256	1 976 651	3 063 907	3 454 919
For a fixed amount of money or produce	(954 818)	(—)	(13 698)	(52 201)	(98 248)	(98 402)	(188 023)	(238 118)	(266 128)
For a share of the produce....	(10 035 388)	(—)	(61 391)	(401 456)	(1 005 708)	(1 004 022)	(1 745 792)	(2 752 016)	(3 065 003)
Rent free ²	(307 317)	(—)	(5 905)	(14 185)	(22 999)	(23 830)	(42 837)	(73 773)	(123 788)
1 - LAND UTILIZATION									
Utilization of land in holdings									
Cropland									
Area	22 818 975	—	326 504	1 466 158	3 110 442	2 795 008	4 130 372	5 422 453	5 568 038
Wood or forest land									
Number of holdings reporting..	1 422 602	—	231 701	319 021	347 695	217 875	176 442	107 768	22 100
Area	418 840	—	7 252	23 859	51 523	43 836	54 524	63 403	174 443
All other land									
Area	5 355 017	—	86 301	198 239	336 835	292 841	475 306	826 836	3 138 659
2 - CROPS - AREA									
Crops on arable land									
Wheat									
Number of holdings reporting..	3 826 465	—	299 181	599 395	772 270	554 726	675 519	628 058	297 316
Area	5 366 468	—	45 818	205 416	454 553	527 947	1 034 723	1 579 163	1 518 848
Rice									
Number of holdings reporting..	6 569 760	—	1 113 399	1 749 436	1 757 016	835 762	637 821	374 064	102 262
Area	9 848 776	—	264 479	1 284 603	2 543 109	1 834 512	1 881 402	1 505 202	535 469
Sugarcane									
Number of holdings reporting..	1 579 300	—	67 983	209 050	348 101	259 540	303 463	280 074	111 089
Area	520 190	—	6 525	30 055	66 604	69 415	112 761	143 451	91 379

¹ Includes only items common to both censuses of West and East Pakistan. ² Data refer to West Pakistan only.

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

PAKISTAN¹

Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha Under 1.0 acre	0.40 and under 1.01 ha 1.0 and under 2.5 acres	1.01 and under 2.02 ha 2.5 and under 5.0 acres	2.02 and under 3.04 ha 5.0 and under 7.5 acres	3.04 and under 5.06 ha 7.5 and under 12.5 acres	5.06 and under 10.12 ha 12.5 and under 25 acres	10.12 ha and over 25 acres and over
Temporary fodder crops									
Number of holdings reporting..	2 575 719	—	166 689	373 579	489 647	370 168	481 961	473 633	220 042
Area	2 045 895	—	21 296	86 675	171 823	193 102	382 171	618 078	572 750
Other crops on arable land									
Area	1 043 555	—	30 233	95 594	167 119	138 047	184 789	214 539	213 234
Permanent crops									
Fruit trees									
Number of holdings reporting..	2 261 772	—	498 387	518 255	566 262	292 042	223 969	124 152	38 705
Area	299 143	—	22 311	39 377	53 843	40 165	46 392	48 301	48 754
3 - LIVESTOCK AND POULTRY									
Cattle									
Number of holdings reporting....	8 421 848	705 840	872 579	1 707 086	1 988 517	1 087 594	972 933	744 169	343 130
Number of cattle	33 801 508	2 031 795	2 145 694	5 002 547	7 375 688	4 942 366	5 239 006	4 479 077	2 585 335
Buffaloes									
Number of holdings reporting....	2 817 477	518 995	195 474	313 971	367 941	310 375	449 111	457 502	204 108
Number of buffaloes	8 391 520	1 119 545	445 515	776 363	974 355	892 401	1 408 736	1 699 541	1 075 064
Sheep									
Number of holdings reporting....	818 650	88 895	62 748	104 156	124 466	91 575	121 934	130 342	94 534
Number of sheep	10 263 152	1 699 045	446 476	945 736	1 142 532	994 495	1 482 220	1 751 551	1 801 097
Goats									
Number of holdings reporting....	3 210 465	252 345	412 048	615 080	740 369	410 845	363 985	270 350	145 443
Number of goats	12 920 691	1 696 865	1 069 405	1 745 332	2 316 285	1 537 198	1 703 286	1 529 773	1 322 547
Poultry									
Number of holdings reporting....	5 835 339	390 240	1 014 811	1 275 585	1 306 435	662 117	581 833	421 006	183 312
Number of poultry	30 111 095	2 071 210	4 273 343	5 838 939	6 598 779	3 734 069	3 557 269	2 721 585	1 315 901
4 - EMPLOYMENT IN AGRICULTURE									
Persons employed in agricultural work on the holding during the census week									
Permanent paid workers									
Number of holdings reporting...	1 186 447	30 305	31 150	89 152	242 163	230 055	267 950	210 701	84 971
Number of persons	1 902 680	70 170	47 088	128 168	295 619	303 857	400 358	396 604	260 816
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES									
Plows									
Number of holdings reporting....	4 621 041	—	273 634	1 121 482	1 508 505	734 249	550 901	319 414	112 856
Number of plows	6 003 803	—	286 052	1 194 672	1 691 874	1 017 984	892 369	616 832	304 020
7 - IRRIGATION AND DRAINAGE									
Land actually irrigated									
Area (total)	13 485 021	—	115 262	578 673	1 278 259	1 351 149	2 470 295	3 791 981	3 899 402
Area irrigated	(10 761 271)	(—)	(72 235)	(358 312)	(810 670)	(982 495)	(2 017 483)	(3 298 946)	(3 221 130)
Area flooded	(2 723 750)	(—)	(43 027)	(220 361)	(467 589)	(368 654)	(452 812)	(493 035)	(678 272)
8 - FERTILIZERS AND SOIL DRESSINGS									
Application of organic and inorganic fertilizers									
Number of holdings reporting....	4 331 081	—	594 625	991 727	1 063 572	570 494	539 930	415 380	155 353
Area treated	3 273 374	—	120 078	395 277	677 687	510 100	617 103	597 266	355 863
Chemical fertilizers:									
Number of holdings reporting	576 348	—	42 547	110 270	129 443	79 226	93 156	85 910	35 796
Amount applied (metric tons)	181 602	—	6 542	18 204	25 109	20 499	33 071	41 521	36 656

¹ Includes only items common to both censuses of West and East Pakistan.

Area: in hectares

(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

EAST PAKISTAN

Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha Under 1.0 acre	0.40 and under 1.01 ha 1.0 and under 2.5 acres	1.01 and under 2.02 ha 2.5 and under 5.0 acres	2.02 and under 3.04 ha 5.0 and under 7.5 acres	3.04 and under 5.06 ha 7.5 and under 12.5 acres	5.06 and under 10.12 ha 12.5 and under 25 acres	10.12 ha and over 25 acres and over
0 - HOLDER, HOLDING AND TENURE									
Number and area of holdings									
Number	6 464 400	324 920	1 492 470	1 677 410	1 615 020	698 450	442 360	187 790	25 980
Percentage distribution.....	100.0	5.0	23.1	26.0	25.0	10.8	6.8	2.9	0.4
Area	8 792 008	—	284 749	1 143 769	2 320 734	1 696 802	1 682 982	1 240 830	422 142
Percentage distribution.....	100.0	—	3.2	13.0	26.4	19.3	19.2	14.1	4.8
Of which holdings jointly operated									
Number	(485 560)	(—)	(62 850)	(99 220)	(132 320)	(79 710)	(66 020)	(38 150)	(7 290)
Area	(1 118 094)	(—)	(13 091)	(69 025)	(194 087)	(195 494)	(254 397)	(257 568)	(134 432)
Fragmentation									
Number of holdings consisting of:									
1 parcel	622 800	—	458 950	81 170	48 580	18 220	10 390	4 610	880
2-3 parcels	1 283 630	—	694 780	367 410	156 110	39 660	18 860	5 920	890
4-5 parcels	1 079 720	—	231 520	473 730	258 700	70 970	33 580	9 980	1 240
6-9 parcels	1 391 070	—	90 650	522 720	513 570	160 530	76 900	24 550	2 150
10 parcels and over	1 762 260	—	16 570	232 380	638 060	409 070	302 630	142 730	20 820
Number and area of holdings, by tenure									
Holdings operated under one form of tenure									
Holdings owned by the holder or in ownerlike possession									
Number	3 731 110	—	1 271 040	1 015 130	753 720	329 790	232 530	111 230	17 670
Area	4 716 104	—	229 961	673 328	1 074 740	802 588	889 049	741 329	305 109
Holdings rented from others									
Number	100 040	—	27 210	33 960	28 300	7 580	2 410	530	50
Area	97 975	—	5 118	22 821	39 170	17 787	9 037	3 410	632
Holdings operated under more than one form of tenure									
Number	2 308 330	—	194 220	628 320	833 000	361 080	207 420	76 030	8 260
Area	3 977 929	—	49 671	447 620	1 206 824	876 427	784 896	496 090	116 401
Area in holdings, by tenure									
Area owned by the holder or in ownerlike possession.....									
Area rented from others (total) ...	7 195 035	—	254 212	922 950	1 780 532	1 344 652	1 408 488	1 094 857	389 344
For a fixed amount of money or produce	1 596 973	—	30 537	220 819	540 202	352 151	274 494	145 973	32 797
For a share of the produce	(169 509)	(—)	(9 356)	(32 922)	(50 959)	(29 319)	(25 966)	(16 112)	(4 875)
	(1 427 464)	(—)	(21 181)	(187 897)	(489 244)	(322 831)	(248 528)	(129 861)	(27 922)
1 - LAND UTILIZATION									
Utilization of land in holdings									
Cropland									
Area	7 744 822	—	218 552	998 989	2 084 577	1 529 790	1 504 222	1 088 153	320 539
Wood or forest land									
Number of holdings reporting...	1 350 370	—	226 780	308 420	332 740	207 820	164 660	96 450	13 500
Area	203 974	—	6 474	19 955	41 511	32 376	34 550	28 542	40 566
All other land									
Area	843 212	—	59 723	124 825	194 645	134 637	144 211	124 135	61 036
2 - CROPS - AREA									
Crops on arable land									
Wheat									
Number of holdings reporting...	647 270	—	32 490	127 120	227 240	128 280	87 240	39 390	5 510
Area	93 273	—	1 938	10 916	27 833	20 281	18 355	11 366	2 584
Rice									
Number of holdings reporting...	5 653 780	—	1 057 160	1 639 100	1 606 690	696 180	441 470	187 330	25 850
Area	8 548 268	—	255 474	1 243 055	2 428 957	1 669 423	1 573 332	1 089 429	288 598

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

EAST PAKISTAN
Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha	0.40 and under 1.01 ha	1.01 and under 2.02 ha	2.02 and under 3.04 ha	3.04 and under 5.06 ha	5.06 and under 10.12 ha	10.12 ha and over
			Under 1.0 acre	1.0 and under 2.5 acres	2.5 and under 5.0 acres	5.0 and under 7.5 acres	7.5 and under 12.5 acres	12.5 and under 25 acres	25 acres and over
Other leguminous plants for grain									
Area	712 053	---	18 120	90 177	199 843	152 761	140 470	90 344	20 338
Potatoes									
Number of holdings reporting...	1 132 840	---	116 570	263 410	372 480	187 800	127 750	56 870	7 960
Area	56 815	---	3 175	10 247	17 835	10 656	8 850	4 981	1 071
Sweet potatoes									
Area	47 746	---	4 405	10 927	14 134	7 586	6 199	3 539	956
Onions									
Number of holdings reporting...	858 650	---	59 120	186 120	295 370	153 710	108 980	47 870	7 480
Area	38 845	---	1 707	6 276	12 211	7 906	6 575	3 416	754
Sugarcane									
Number of holdings reporting ..	640 230	---	37 920	129 110	216 850	125 830	86 910	38 460	5 150
Area	101 608	---	2 025	10 689	26 965	21 890	20 989	14 490	4 560
Jute									
Number of holdings reporting...	2 728 880	---	360 510	819 250	868 460	365 030	221 430	83 840	10 360
Area	527 910	---	21 209	91 514	164 757	103 729	87 285	49 554	9 862
Sunn hemp									
Number of holdings reporting...	73 660	---	5 430	16 090	24 820	12 620	9 340	4 710	650
Area	11 391	---	262	1 248	2 755	2 067	1 955	1 569	1 535
Groundnuts (peanuts)									
Number of holdings reporting...	51 820	---	6 280	13 590	15 620	7 700	5 470	2 680	480
Area	12 225	---	444	1 814	3 259	2 524	2 305	1 569	310
Mustard									
Number of holdings reporting...	1 530 610	---	102 290	317 820	520 810	288 030	200 320	88 890	12 450
Area	305 653	---	7 476	36 064	84 657	65 215	62 272	40 624	9 345
Temporary fodder crops									
Number of holdings reporting...	595 620	---	62 870	148 770	185 430	94 550	66 430	32 550	5 020
Area	154 501	---	5 517	23 288	43 526	30 532	28 181	18 457	5 000
Vegetables									
Area	58 840	---	6 442	11 177	15 501	9 553	9 128	5 826	1 213
Other crops on arable land									
Area	423 084	---	20 266	64 282	111 700	78 254	71 866	46 702	30 014
Permanent crops									
Fruit trees									
Number of holdings reporting...	2 112 600	---	486 330	500 510	546 150	276 150	198 640	90 910	13 910
Area	190 798	---	20 816	34 272	45 439	31 716	31 118	21 911	5 526
3 - LIVESTOCK AND POULTRY									
Horses									
Number of horses	47 010	3 680	4 890	8 590	11 840	6 610	5 920	4 030	1 450
Cattle									
Number of holdings reporting.....	5 021 140	312 300	597 980	1 294 540	1 498 720	675 450	431 410	185 060	25 680
Total number of cattle	19 231 300	742 660	1 247 110	3 513 240	5 513 940	3 350 830	2 841 370	1 679 110	343 040
Cows	6 859 310	367 460	559 890	1 442 380	1 912 460	1 071 290	882 560	517 820	105 450
Used primarily for milk production.....	(4 032 280)	(340 450)	(358 530)	(601 400)	(983 890)	(681 140)	(602 250)	(383 570)	(81 050)
Used primarily as draft animals.....	(2 827 030)	(27 010)	(201 360)	(840 980)	(928 570)	(390 150)	(280 310)	(134 250)	(24 400)
Bulls used for service	278 830	17 460	24 350	44 500	68 440	45 030	43 600	25 270	10 180
Calves	5 417 730	292 340	455 630	1 008 570	1 485 790	902 400	749 000	435 980	88 020
Bullocks used primarily as draft animals	6 675 430	65 400	207 240	1 017 790	2 047 250	1 332 110	1 166 210	700 040	139 390

Area: in hectares

(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

EAST PAKISTAN

Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha Under 1.0 acre	0.40 and under 1.01 ha 1.0 and under 2.5 acres	1.01 and under 2.02 ha 2.5 and under 5.0 acres	2.02 and under 3.04 ha 5.0 and under 7.5 acres	3.04 and under 5.06 ha 7.5 and under 12.5 acres	5.06 and under 10.12 ha 12.5 and under 25 acres	10.12 ha and over 25 acres and over
Buffaloes									
Number of holdings reporting.....	174 430	3 390	5 790	14 480	30 010	29 050	43 420	38 300	9 990
Total number of buffaloes	445 210	6 900	9 070	26 840	61 200	67 970	111 020	116 370	45 840
Buffalo cows used primarily for milk production.....	(53 090)	(2 840)	(2 940)	(5 340)	(9 800)	(8 010)	(10 280)	(9 830)	(4 050)
Buffaloes used primarily as draft animals	(335 650)	(2 810)	(4 540)	(16 560)	(43 310)	(51 280)	(87 860)	(94 180)	(35 110)
Buffalo calves.....	(56 470)	(1 250)	(1 590)	(4 940)	(8 090)	(8 680)	(12 880)	(12 360)	(6 680)
Sheep									
Number of holdings reporting.....	132 100	5 680	9 490	24 470	37 780	21 770	19 170	11 450	2 290
Number of sheep	476 780	19 210	24 030	60 690	100 110	69 470	80 290	89 210	33 770
Goats									
Number of holdings reporting.....	2 152 570	105 950	327 690	495 630	602 180	302 330	209 260	95 120	14 410
Number of goats	5 659 760	362 950	686 650	1 102 590	1 502 090	863 290	723 540	352 520	66 130
Poultry									
Number of holdings reporting.....	3 901 010	141 690	805 530	1 023 640	1 029 360	456 250	296 100	130 200	18 240
Number of poultry.....	20 095 900	729 380	3 299 590	4 649 400	5 295 940	2 730 810	2 084 140	1 099 110	207 530
4 - EMPLOYMENT IN AGRICULTURE									
Persons employed in agricultural work on the holding during the census week									
All persons	16 025 870	234 680	2 580 890	3 648 570	4 254 890	2 286 170	1 797 560	996 500	226 610
Holders and members of their households									
Number ¹	(14 827 060)	(226 360)	(2 560 290)	(3 579 770)	(4 030 700)	(2 055 180)	(1 504 380)	(748 230)	(122 150)
Permanently paid workers									
Number of holdings reporting	839 970	5 950	15 430	60 520	204 690	195 030	208 530	127 850	21 970
Number of persons	(1 198 810)	(8 320)	(20 600)	(68 800)	(224 190)	(230 990)	(293 180)	(248 270)	(104 460)
5 - FARM POPULATION									
Holders and members of their house- holds									
All persons	38 806 170	1 571 000	6 994 590	8 895 410	9 971 430	5 125 320	3 884 040	2 012 520	351 860
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES									
Plows									
Number of holdings reporting.....	4 029 150	—	239 840	1 063 000	1 425 870	663 010	428 370	183 500	25 560
Number of plows	5 171 750	—	249 850	1 130 630	1 602 320	877 960	756 430	454 470	100 090
Sugarcane crushers									
Number of holdings reporting.....	219 060	—	10 290	47 170	72 220	41 410	30 660	15 030	2 280
7 - IRRIGATION AND DRAINAGE									
Land actually irrigated									
Area (total).....	1 970 049	—	50 160	252 917	529 222	375 875	378 613	294 727	88 535
Area irrigated	(535 480)	(—)	(13 404)	(62 508)	(132 631)	(97 167)	(104 894)	(91 285)	(33 591)
Area flooded	(1 434 569)	(—)	(36 756)	(190 409)	(396 591)	(278 708)	(273 719)	(203 442)	(54 944)
8 - FERTILIZERS AND SOIL DRES- SINGS									
Application of organic and inorganic fertilizers									
Number of holdings reporting.....	2 744 800	—	474 130	774 190	804 600	357 880	227 610	94 380	12 010
Area treated	1 751 383	—	64 054	271 353	498 005	338 943	315 421	201 833	61 774
Chemical fertilizers									
Number of holdings reporting	264 340	—	26 100	74 540	82 610	37 620	27 120	13 740	2 610
Amount applied (metric tons)	16 269	—	808	3 322	4 930	2 671	2 282	1 407	849

¹ Excluding members of the holder's household doing work other than agricultural and members whose nature of work is unknown.

Area: in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

WEST PAKISTAN
Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha	0.40 and under 1.01 ha	1.01 and under 2.02 ha	2.02 and under 3.04 ha	3.04 and under 5.06 ha	5.06 and under 10.12 ha	10.12 ha and over
			Under 1.0 acre	1.0 and under 2.5 acres	2.5 and under 5.0 acres	5.0 and under 7.5 acres	7.5 and under 12.5 acres	12.5 and under 25 acres	25 acres and over
0 - HOLDER, HOLDING AND TENURE									
Number and area of holdings									
Number	5 690 528	830 545	742 216	855 732	805 984	580 952	758 703	728 909	387 487
Percentage distribution	100.0	14.6	13.0	15.0	14.2	10.2	13.4	12.8	6.8
Area	19 800 824	—	135 307	544 487	1 178 067	1 434 882	2 977 219	5 071 862	8 459 000
Percentage distribution	100.0	—	0.7	2.8	6.0	7.2	15.0	25.6	42.7
Of which holdings jointly operated:									
Number	1 402 250	—	302 054	285 142	213 652	137 375	166 038	172 840	125 149
Area	5 835 943	—	52 660	176 373	308 801	337 476	647 797	1 225 288	3 087 548
Fragmentation									
Number of holdings consisting of:									
1 parcel	1 915 160	—	568 306	466 451	298 647	185 876	195 681	151 071	49 128
2-3 parcels	1 578 018	—	156 137	288 872	298 201	202 515	276 179	254 686	101 428
4-5 parcels	599 120	—	14 965	68 700	111 311	85 054	114 483	125 748	78 859
6-9 parcels	455 441	—	2 488	27 335	72 638	69 866	99 518	105 701	77 895
10 parcels and over	312 244	—	320	4 374	25 187	37 641	72 842	91 703	80 177
Number and area of holdings, by tenure									
Holdings operated under one form of tenure									
Holdings owned by the holder or in ownerlike possession									
Number	1 997 736	—	460 890	414 252	327 468	202 281	231 792	219 607	141 446
Area	7 576 785	—	80 313	262 246	472 417	496 317	907 301	1 516 209	3 841 982
Holdings rented from others									
Number	2 027 990	—	245 848	346 096	333 119	257 237	355 683	340 334	149 673
Area	7 767 867	—	46 329	217 037	489 677	636 084	1 395 460	2 373 042	2 610 238
Holdings operated under more than one form of tenure									
Number	834 257	—	35 478	95 384	145 397	121 434	171 228	168 968	96 368
Area	4 456 172	—	8 666	65 203	215 973	302 481	674 458	1 182 611	2 006 780
Area in holdings, by tenure									
Area owned by the holder or in ownerlike possession	10 100 274	—	84 850	297 464	591 315	660 777	1 275 062	2 153 929	5 036 877
Area rented from others (total)...	9 700 550	—	50 457	247 023	586 752	774 105	1 702 157	2 917 934	3 422 122
For a fixed amount of money or produce	(785 309)	(—)	(4 342)	(19 279)	(47 289)	(69 083)	(162 057)	(222 006)	(261 253)
For a share of the produce	(8 607 924)	(—)	(40 210)	(213 559)	(516 464)	(681 191)	(1 497 264)	(2 622 155)	(3 037 081)
Rent free	(307 317)	(—)	(5 905)	(14 185)	(22 999)	(23 830)	(42 837)	(73 773)	(123 788)
1 - LAND UTILIZATION									
Utilization of land in holdings									
Cropland									
Area	15 074 153	—	107 952	467 169	1 025 865	1 265 218	2 626 150	4 334 300	5 247 499
Wood or forest land									
Number of holdings reporting...	72 232	—	4 921	10 601	14 955	10 055	11 782	11 318	8 600
Area	214 866	—	778	3 904	10 012	11 460	19 974	34 861	133 877
All other land									
Area	4 511 805	—	26 578	73 414	142 190	158 204	331 095	702 701	3 077 623
2 - CROPS - AREA									
Crops on arable land									
Wheat									
Number of holdings reporting...	3 179 195	—	266 691	472 275	545 030	426 446	588 279	588 668	291 806
Area (total)	5 273 195	—	43 880	194 500	426 720	507 666	1 016 368	1 567 797	1 516 264
Wheat under irrigation									
Number of holdings reporting	2 080 687	—	115 032	274 628	335 262	282 859	420 795	444 568	207 543
Area	(3 348 475)	(—)	(19 112)	(106 642)	(241 661)	(306 391)	(658 163)	(1 059 775)	(956 731)

Area: in hectares

(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA
OF HOLDING

WEST PAKISTAN

Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha	0.40 and under 1.01 ha	1.01 and under 2.02 ha	2.02 and under 3.04 ha	3.04 and under 5.06 ha	5.06 and under 10.12 ha	10.12 ha and over
			Under 1.0 acre	1.0 and under 2.5 acres	2.5 and under 5.0 acres	5.0 and under 7.5 acres	7.5 and under 12.5 acres	12.5 and under 25 acres	25 acres and over
Wheat not irrigated									
Number of holdings reporting	1 320 112	—	155 382	212 300	242 190	175 209	218 152	202 477	114 402
Area	(1 924 720)	(—)	(24 768)	(87 858)	(185 059)	(201 275)	(358 205)	(508 022)	(559 533)
Rice									
Number of holdings reporting	915 980	—	56 239	110 336	150 326	139 582	196 351	186 734	76 412
Area	1 300 508	—	9 005	41 548	114 152	165 089	308 070	415 773	246 871
Millet and sorghum									
Area (total)	1 707 805	—	12 231	46 754	105 031	124 621	256 014	423 121	740 033
<i>Millet</i>									
Number of holdings reporting	964 182	—	60 790	98 267	137 845	123 670	193 837	219 357	130 416
Area	(911 289)	(—)	(8 472)	(27 768)	(58 806)	(69 538)	(138 868)	(227 931)	(379 906)
<i>Sorghum</i>									
Number of holdings reporting	724 646	—	28 409	68 924	100 522	92 500	147 137	172 238	114 916
Area	(796 516)	(—)	(3 759)	(18 986)	(46 225)	(55 083)	(117 146)	(195 190)	(360 127)
Maize									
Number of holdings reporting	1 033 866	—	131 582	153 754	171 631	134 234	184 585	182 453	75 627
Area	504 801	—	20 030	51 780	79 115	68 874	103 501	115 582	65 919
Chick peas									
Number of holdings reporting	1 058 793	—	26 794	88 097	136 171	145 751	235 891	280 137	145 952
Area	1 154 865	—	3 887	26 628	65 242	97 200	192 454	343 510	425 944
Other leguminous plants for grain									
Area	466 692	—	4 837	19 147	48 149	59 828	106 565	133 569	94 597
Potatoes									
Area	18 949	—	571	1 535	2 398	2 041	2 887	3 973	5 544
Sugarcane									
Number of holdings reporting	939 070	—	30 063	79 940	131 251	133 710	216 553	241 614	105 939
Area	418 582	—	4 500	19 366	39 639	47 525	91 772	128 961	86 819
Cotton									
Number of holdings reporting	1 169 192	—	22 737	92 718	149 912	156 706	275 014	324 484	147 621
Area	1 352 593	—	3 603	28 249	69 160	96 025	248 896	468 435	438 225
Other oilseed crops									
Area	683 735	—	3 304	13 270	37 931	48 915	114 905	211 125	254 285
Temporary fodder crops									
Number of holdings reporting	1 980 099	—	103 819	224 809	304 217	275 618	415 531	441 083	215 022
Area	1 891 394	—	15 779	63 387	128 297	162 570	353 990	599 621	567 750
Other crops on arable land									
Area	620 471	—	9 967	31 312	55 419	59 793	112 923	167 837	183 220
Permanent crops									
Fruit trees									
Number of holdings reporting	149 172	—	12 057	17 745	20 112	15 892	25 329	33 242	24 795
Area	108 345	—	1 495	5 105	8 404	8 449	15 274	26 390	43 228
3 - LIVESTOCK AND POULTRY									
Cattle									
Number of holdings reporting	3 400 708	393 540	274 599	412 546	489 797	412 144	541 523	559 109	317 450
Total number of cattle	14 570 208	1 289 135	898 584	1 489 307	1 861 748	1 591 536	2 397 636	2 799 967	2 242 295
Cows used primarily for milk production	(4 198 391)	(548 565)	(275 798)	(421 341)	(510 316)	(425 462)	(621 696)	(728 478)	(666 735)
Bulls used primarily as draft animals	(6 954 790)	(318 745)	(374 556)	(705 238)	(924 666)	(816 621)	(1 236 419)	(1 469 231)	(1 109 314)
Other cattle	(3 417 027)	(421 825)	(248 230)	(362 728)	(426 766)	(349 453)	(539 521)	(602 258)	(466 246)

Area: in hectares

(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

WEST PAKISTAN

Classified by size of holding

	All sizes of holdings	Holdings without land	Under 0.40 ha Under 1.0 acre	0.40 and under 1.01 ha 1.0 and under 2.5 acres	1.01 and under 2.02 ha 2.5 and under 5.0 acres	2.02 and under 3.04 ha 5.0 and under 7.5 acres	3.04 and under 5.06 ha 7.5 and under 12.5 acres	5.06 and under 10.12 ha 12.5 and under 25 acres	10.12 ha and over 25 acres and over
Buffaloes									
Number of holdings reporting.....	2 643 047	515 605	189 684	299 491	337 931	281 325	405 691	419 202	194 118
Total number of buffaloes	7 946 310	1 112 645	436 445	749 523	913 155	824 431	1 297 716	1 583 171	1 029 224
Buffalo cows used primarily for milk production	(5 064 537)	(725 660)	(275 508)	(474 811)	(574 192)	(516 236)	(811 203)	(1 017 151)	(669 776)
Other buffaloes	(2 881 773)	(386 985)	(160 937)	(274 712)	(338 963)	(308 195)	(486 513)	(566 020)	(359 448)
Sheep									
Number of holdings reporting.....	686 550	83 215	53 258	79 686	86 686	69 805	102 764	118 892	92 244
Number of sheep	9 786 372	1 679 835	422 446	885 046	1 042 422	925 025	1 401 930	1 662 341	1 767 327
Goats									
Number of holdings reporting.....	1 057 895	146 395	84 358	119 450	138 189	108 515	154 725	175 230	131 033
Number of goats	7 260 931	1 333 915	382 755	642 742	814 195	673 908	979 746	1 177 253	1 256 417
Poultry									
Number of holdings reporting.....	1 934 329	248 550	209 281	251 945	277 075	205 867	285 733	290 806	165 072
Number of poultry	10 015 195	1 341 830	973 753	1 189 539	1 302 839	1 003 259	1 473 129	1 622 475	1 108 371
4 - EMPLOYMENT IN AGRICULTURE									
Persons employed in agricultural work on the holding during the census week									
Permanently paid workers									
Number of holdings reporting...	346 477	24 355	15 720	28 632	37 473	35 025	59 420	82 851	63 001
Number of persons	703 870	61 850	26 488	59 368	71 429	72 867	107 178	148 334	156 356
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES									
Plows									
Number of holdings reporting.....	591 891	—	33 794	58 482	82 635	71 239	122 531	135 914	87 296
Number of plows	832 053	—	36 202	64 042	89 554	140 024	135 939	162 362	203 930
7 - IRRIGATION AND DRAINAGE									
Land actually irrigated									
Area (total).....	11 514 972	—	65 102	325 756	749 037	975 274	2 091 682	3 497 254	3 810 867
Area irrigated	(10 225 791)	—	(58 831)	(295 804)	(678 039)	(885 328)	(1 912 589)	(3 207 661)	(3 187 539)
Area flooded	(1 289 181)	—	(6 271)	(29 952)	(70 998)	(89 946)	(179 093)	(289 593)	(623 328)
Area irrigated by method of irri- gation (total).....	10 225 791	—	58 832	295 804	678 041	885 327	1 912 588	3 207 661	3 187 538
Canals	(7 945 475)	—	(32 194)	(202 720)	(507 113)	(688 174)	(1 542 662)	(2 644 009)	(2 328 603)
Wells	(666 328)	—	(11 934)	(36 360)	(69 036)	(79 199)	(145 804)	(186 082)	(137 913)
Wells and canals.....	(845 790)	—	(7 771)	(37 368)	(63 833)	(76 461)	(148 421)	(250 811)	(261 125)
Other means.....	(768 198)	—	(6 933)	(19 356)	(38 059)	(41 493)	(75 701)	(126 759)	(459 897)
8 - FERTILIZERS AND SOIL DRES- SINGS									
Application of organic and inorganic fertilizers									
Number of holdings reporting.....	1 586 281	—	120 495	217 537	258 972	212 614	312 320	321 000	143 343
Area treated	1 521 991	—	56 024	123 924	179 682	171 157	301 682	395 433	294 089
Chemical fertilizers									
Number of holdings reporting	312 008	—	16 447	35 730	46 833	41 606	66 036	72 170	33 186
Amount applied (metric tons)	165 333	—	5 734	14 882	20 179	17 828	30 789	40 114	35 807

PORTUGUESE GUINEA

Date of the census and time reference

The census enumeration started in August 1960 and was finished in March 1961. The crop yield survey was conducted during January and February 1962.

Method of collection and processing of census data

Before conducting the census, an experimental census was carried out for testing the training of enumerators and the efficiency of the census questionnaires.

Holdings with ownership title and concessions were completely enumerated. Sampling methods were used for family holdings.

The sample was a two-stage one. Villages were considered as primary units and the family¹ (or agricultural) holding as a secondary unit. Selection of both primary and secondary units was made at random with equal probability. The sampling fraction was one tenth for primary units and one third for secondary units. The need for stratification was later recognized and three ecological zones or strata were prepared. Information for each of these strata was estimated separately and subsequently summarized.

Tabulation of data was done by manual methods in Lisbon, (Portugal).

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

A holding was defined as the aggregate of land occupied by food crops, industrial crops or fallow

¹ See definition under "Holder, holding and tenure."

land operated by each family. Land used for pasture was not included because it was not possible to determine the respective areas. No specific definition was given for nonfamily holdings. A *family* was defined as the group of persons living in the same dwelling unit, who, although not working on a communal basis, join together in such a way that some food products are intended exclusively for consumption by the persons in that dwelling unit.

Parcel. A parcel was defined as all land entirely surrounded by land of other holdings or by land not belonging to any holding.

2 - CROPS

These do not include oil palms because they nearly all grow spontaneously. Production data for temporary crops were obtained through crop-cutting parcel methods and, in certain cases, from selected holders. In the case of permanent crops, however, data were estimated.

3 - LIVESTOCK AND POULTRY

Data were obtained through an independent survey carried out on a complete enumeration basis by the Agriculture and Veterinary Services.

* * *

SOURCE: Portugal. Ministério do Ultramar, Missão de Inquéritos Agrícolas de Cabo Verde, Guiné, S. Tomé e Príncipe. *Recenseamento agrícola de Guiné - 1960/1961*. Direcção Geral de Economia, Comissão para os Inquéritos Agrícolas no Ultramar, Lisboa, 1963.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

PORTUGUESE GUINEA ¹

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and cultivated area of holdings	
Number	86 951
Cultivated area	262 570
Fragmentation	
Number of parcels in the holdings reporting.	425 839
Average number of parcels per holding	5
Main occupation of the holder	
Number of holders with agricultural main occupation	76 527
Number of holders with nonagricultural main occupation	10 424

2 - CROPS - AREA AND PRODUCTION

Crops on arable land ^{2,3}	
Rice (total)	
Area	102 286
Production	182 252
<i>Wet rice</i>	
Area	(95 204)
Production	(174 474)
<i>Dry rice</i>	
Area	(7 082)
Production	(7 778)
Rice for transplanting	
Area	12 392
Millet and sorghum (total)	
Area	25 803
Production	12 529
<i>Millet</i>	
Area	(16 887)
Production	(7 863)
<i>Sorghum</i>	
Area	(8 916)
Production	(4 666)
Maize	
Area	6 225
Production	3 437
"Fundo" (<i>Digitaria</i> spp.)	
Area	24 554
Production	9 756
Edible dry beans	
Area	2 974
Production	1 544
Manioc (cassava)	
Area	6 174
Production	38 262
Sugarcane	
Area	839
Production	9 600
Cotton	
Area	346
Production	52

Groundnuts (peanuts)

Area	26 044
Production	41 727

Sesame

Area	549
Production	184

Other crops on arable land

Area	1 105
------------	-------

Permanent crops

Oranges

Total number of trees	191 363
Of productive age	(75 836)
Of nonproductive age	(115 527)
Production	1 884

Tangerines

Total number of trees	15 255
Of productive age	(6 363)
Of nonproductive age	(8 892)
Production	141

Lemons

Total number of trees	43 564
Of productive age	(34 917)
Of nonproductive age	(8 647)
Production	1 034

Mangoes

Total number of trees	387 328
Of productive age	(319 844)
Of nonproductive age	(67 484)
Production	36 559

Bananas

Total number of trees	4 375 358
Of productive age	(1 957 848)
Of nonproductive age	(2 417 510)
Production	31 428

Papayas

Total number of trees	124 966
Of productive age	(94 151)
Of nonproductive age	(30 815)
Production	897

Kola nuts

Total number of trees	286 417
Of productive age	(101 944)
Of nonproductive age	(184 473)
Production	4 977

Other permanent crops

Total number of trees	1 714 052
Of productive age	(1 413 020)
Of nonproductive age	(301 032)

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Horses

Number of holdings reporting	48
Number of horses	64

¹ Excludes the Administrative Unit of Bissau-Séde, except for the data on livestock and poultry. ² Refers to family holdings only.
³ For information on crops for holdings with ownership title and for concessions see note on page 157.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

PORTUGUESE GUINEA ¹

Not classified by size of holding

Asses	
Number of holdings reporting	2 558
Number of asses	3 858
Cattle	
Number of holdings reporting	16 841
Total number of cattle	230 286
Male	(56 166)
Female	(174 120)
Cattle under 2 years of age	95 870
Male	(41 380)
Female	(54 490)
Calves under 1 year of age	47 089
Male	(20 905)
Female	(26 184)
Young stock 1 year of age and under 2	48 781
Male	(20 475)
Female	(28 306)
Cattle 2 years of age and over	134 416
Male	(14 786)
Female	(119 630)
Sheep	
Number of holdings reporting	9 098
Total number of sheep	53 859
Lambs under 1 year of age	14 563
Sheep 1 year of age and over	39 296
Male	(10 168)
Female	(29 128)
Goats	
Number of holdings reporting	22 561
Total number of goats	143 712
Under 1 year of age	45 603
1 year of age and over	98 109
Male	(19 575)
Female	(78 534)

Pigs	
Number of holdings reporting	16 255
Total number of pigs	98 206
Under 6 months of age	41 898
6 months of age and over	56 308
Sows for breeding	(40 565)
All other pigs	(15 743)
Poultry and rabbits	
Number of holdings reporting	33 210
Total number of hens, cocks, pullets and chicks	492 865
Cockerels, pullets and chicks under 6 months of age	(234 275)
Cocks, capons, hens and pullets 6 months of age and over	(258 590)
Other poultry and rabbits (number)	
Guinea fowls	2 571
Ducks	7 566
Turkeys	210
Rabbits	137

Other domesticated animals ²

Bees	
Number of beehives	191 367
Honey production (liters)	489 919

5 - FARM POPULATION ⁴

Holders and members of the holder's household	
All persons	514 314
Under 15 years of age	194 537
15 years of age and over	319 777
Male	(159 336)
Female	(160 441)

¹ Excludes the Administrative Unit of Bissau-Séde, except for the data on livestock and poultry. ² Refers to family holdings only.
⁴ Excludes the population of the Administrative Unit of Bissau-Séde (17,000 persons) and the nonindigenous population (14,000 persons).

NOTE: Available information on crops for holdings with ownership title and for concessions is as follows:

Wet rice		Sugarcane	
Area	61	Area	342
Production	97	Production	6 862
Manioc (cassava)		Groundnuts (peanuts)	
Area	46	Area	25
Production	272	Production	39
Pineapples		Rice for transplanting	
Number of plants	367 250	Area	5
Production	211		

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

PORTUGUESE GUINEA ¹

Classified by size of holding

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha
0 - HOLDER, HOLDING AND TENURE										
Number and cultivated area of holdings										
Number	86 951	2 844	8 847	25 385	20 355	11 066	6 777	8 735	2 639	303
Percentage distribution	100.0	3.3	10.2	29.2	23.4	12.7	7.8	10.1	3.0	0.3
Cultivated area	262 570	1 136	6 974	39 316	49 528	36 761	30 044	56 511	33 920	8 380
Percentage distribution	100.0	0.4	2.7	15.0	18.9	14.0	11.4	21.5	12.9	3.2
Fragmentation										
Number of parcels in the holdings reporting	425 839	5 122	26 398	112 519	98 913	59 947	40 393	56 109	22 413	4 025
Average number of parcels per holding	5	2	3	4	5	5	6	6	8	13
2 - CROPS - AREA AND PRODUCTION										
Crops on arable land ²										
Rice (total)										
Area	102 286	484	2 888	15 666	17 941	13 415	10 598	23 182	14 527	3 585
Production	182 252	751	5 048	28 296	32 519	24 283	18 767	41 330	25 756	5 502
<i>Wet rice</i>										
Area	(95 204)	(261)	(2 420)	(14 464)	(16 900)	(12 582)	(9 728)	(21 931)	(13 553)	(3 365)
Production	(174 474)	(508)	(4 543)	(26 990)	(31 392)	(23 384)	(17 799)	(39 935)	(24 683)	(5 240)
<i>Dry rice</i>										
Area	(7 082)	(223)	(468)	(1 202)	(1 041)	(833)	(870)	(1 251)	(974)	(220)
Production	(7 778)	(243)	(505)	(1 306)	(1 127)	(899)	(968)	(1 395)	(1 073)	(262)
Rice for transplanting										
Area	12 392	37	303	1 808	2 414	1 678	1 158	2 817	1 756	421
Millet and sorghum (total)										
Area	25 803	62	614	3 361	4 871	3 421	2 733	5 871	4 026	844
Production	12 529	31	297	1 649	2 384	1 669	1 328	2 838	1 934	399
<i>Miller</i>										
Area	(16 887)	(38)	(422)	(2 047)	(3 078)	(2 189)	(1 727)	(3 869)	(2 812)	(705)
Production	(7 863)	(18)	(196)	(955)	(1 435)	(1 020)	(802)	(1 799)	(1 310)	(328)
<i>Sorghum</i>										
Area	(8 916)	(24)	(192)	(1 314)	(1 793)	(1 232)	(1 006)	(2 002)	(1 214)	(139)
Production	(4 666)	(13)	(101)	(694)	(949)	(649)	(526)	(1 039)	(624)	(71)
Maize										
Area	6 225	55	250	1 469	995	548	601	1 073	1 058	176
Production	3 437	30	137	819	550	298	326	590	592	95
" Fundo " (Digitaria spp.)										
Area	24 554	33	323	2 937	5 649	4 710	3 579	5 073	1 936	314
Production	9 756	13	129	1 171	2 243	1 878	1 423	2 011	764	124
Edible dry beans										
Area	2 974	11	43	329	406	307	398	551	752	177
Production	1 544	6	23	173	211	156	207	276	401	91
Manioc (cassava)										
Area	6 174	68	285	1 283	1 279	815	680	1 176	582	6
Production	38 262	421	1 757	7 937	7 948	5 059	4 233	7 274	3 589	44
Sugarcane										
Area	839	3	52	48	29	100	119	196	1	291
Production	9 600	37	631	589	343	1 192	1 446	2 230	10	3 122
Cotton										
Area	346	9	31	109	70	20	53	54	—	—
Production	52	1	5	17	11	3	8	7	—	—
Groundnuts (peanuts)										
Area	26 044	39	616	3 756	5 145	3 703	3 218	5 336	3 126	1 105
Production	41 727	59	990	6 132	8 367	5 999	4 980	8 472	4 941	1 787

¹ Excludes the Administrative Unit of Bissau-Séde except for data on livestock and poultry. ² Refers to family holdings only.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY CULTIVATED AREA OF HOLDING

PORTUGUESE GUINEA ¹

Classified by size of holding

	All sizes of holdings	Under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha	10 and under 20 ha	20 and under 50 ha
Sesame										
Area	549	23	32	86	100	91	56	45	29	87
Production	184	8	11	29	34	30	19	15	9	29
Other crops on arable land										
Area	1 105	60	131	147	160	119	95	317	76	—
Permanent crops										
Oranges										
Total number of trees	191 363	1 986	10 559	24 967	38 814	31 456	12 548	47 431	21 739	1 863
Of productive age	(75 836)	(1 348)	(3 984)	(13 107)	(19 637)	(12 781)	(5 568)	(13 671)	(5 135)	(605)
Of nonproductive age	(115 527)	(638)	(6 575)	(11 860)	(19 177)	(18 675)	(6 980)	(33 760)	(16 604)	(1 258)
Production	1 884	34	106	319	500	320	138	328	126	13
Tangerines										
Total number of trees	15 255	160	1 612	1 596	3 292	2 443	497	4 251	1 316	88
Of productive age	(6 363)	(—)	(482)	(1 125)	(1 380)	(829)	(210)	(1 906)	(343)	(88)
Of nonproductive age	(8 892)	(160)	(1 130)	(471)	(1 912)	(1 614)	(287)	(2 345)	(973)	(—)
Production	141	—	11	25	31	19	5	41	7	2
Lemons										
Total number of trees	43 564	645	2 463	8 549	10 109	7 070	4 609	6 361	3 507	251
Of productive age	(34 917)	(452)	(1 787)	(7 330)	(8 039)	(5 327)	(2 917)	(5 654)	(3 251)	(160)
Of nonproductive age	(8 647)	(193)	(676)	(1 219)	(2 070)	(1 743)	(1 692)	(707)	(256)	(91)
Production	1 034	13	53	216	238	160	87	167	96	4
Mangoes										
Total number of trees	387 328	5 193	17 689	92 881	70 025	55 073	33 659	86 477	21 383	4 948
Of productive age	(319 844)	(4 446)	(13 033)	(80 483)	(60 125)	(48 769)	(29 335)	(60 337)	(18 855)	(4 461)
Of nonproductive age	(67 484)	(747)	(4 656)	(12 398)	(9 900)	(6 304)	(4 324)	(26 140)	(2 528)	(487)
Production	36 559	512	1 514	9 194	6 879	5 521	3 397	6 928	2 133	481
Bananas										
Total number of trees	4 375 358	29 393	189 367	761 145	929 887	755 869	371 776	655 380	560 511	122 030
Of productive age	(1 957 848)	(10 634)	(66 745)	(363 207)	(398 806)	(409 716)	(168 460)	(303 241)	(202 251)	(34 788)
Of nonproductive age	(2 417 510)	(18 759)	(122 622)	(397 938)	(531 081)	(346 153)	(203 316)	(352 139)	(358 260)	(87 242)
Production	31 428	172	1 069	5 923	6 568	6 485	2 696	4 792	3 205	518
Papayas										
Total number of trees	124 966	1 370	6 213	29 588	27 129	15 965	13 391	19 010	10 348	1 952
Of productive age	(94 151)	(1 028)	(3 801)	(20 287)	(20 267)	(11 981)	(10 296)	(16 123)	(8 622)	(1 746)
Of nonproductive age	(30 815)	(342)	(2 412)	(9 301)	(6 862)	(3 984)	(3 095)	(2 887)	(1 726)	(206)
Production	897	10	37	194	193	115	98	153	81	16
Kola nuts										
Total number of trees	286 417	383	7 830	23 362	42 032	46 733	14 273	109 072	42 732	—
Of productive age	(101 944)	(31)	(2 182)	(5 919)	(9 743)	(11 941)	(3 681)	(36 747)	(31 700)	(—)
Of nonproductive age	(184 473)	(352)	(5 648)	(17 443)	(32 289)	(34 792)	(10 592)	(72 325)	(11 032)	(—)
Production	4 977	1	107	284	476	583	180	1 781	1 565	—
Other permanent crops										
Total number of trees	1 714 052	27 909	49 530	158 725	262 365	169 538	263 385	486 773	219 744	76 083
Of productive age	(1 413 020)	(11 119)	(40 411)	(128 859)	(203 308)	(158 440)	(166 522)	(461 225)	(188 957)	(54 179)
Of nonproductive age	(301 032)	(16 790)	(9 119)	(29 866)	(59 057)	(11 098)	(96 863)	(25 548)	(30 787)	(21 904)
3 - LIVESTOCK AND POULTRY										
Other domesticated animals ²										
Bees										
Number of beehives	191 367	1 275	10 435	43 900	56 292	30 897	17 486	22 476	4 101	4 505
Honey production (liters)	489 919	3 264	26 713	112 384	144 108	79 096	44 764	57 539	10 498	11 553
5 - FARM POPULATION ³										
Holders and members of the holder's household										
All persons	514 314	9 961	37 521	129 437	111 305	64 352	46 551	71 217	38 055	5 915
Under 15 years of age	194 537	3 736	14 451	40 896	43 879	25 796	19 321	29 610	14 525	2 323
15 years of age and over	319 777	6 225	23 070	88 541	67 426	38 556	27 230	41 607	23 530	3 592
Male	(159 336)	(3 161)	(11 645)	(40 595)	(37 415)	(19 061)	(14 283)	(19 655)	(11 633)	(1 888)
Female	(160 441)	(3 064)	(11 425)	(47 946)	(30 011)	(19 495)	(12 947)	(21 952)	(11 897)	(1 704)

¹Excludes the Administrative Unit of Bissau-Séde except for data on livestock and poultry. ²Refers to family holdings only.
³Excludes the population of the Administrative Unit of Bissau-Séde (17,000 persons) and the nonindigenous population (14,000 persons).

Date of the census and time reference

The agricultural census was taken during November 1959.

Inventory items relate generally to November 1959. Data on area and production of crops (except coffee) are for the crop year 1 November 1958 to 31 October 1959. Data on area and production of coffee are for the crop year 1 March 1958 to 28 February 1959. Figures on livestock and poultry represent conditions as of the date of the enumeration.

Method of collection and processing of census data

A listing form was used to determine when a census questionnaire was to be filled for a holding. It contained additional questions on land tenure and value of sales of crops and animal products for the "places" the size of which was between one fourth and 3 *cuerdas* (1 cuerda equals 0.393 ha). Only for "places" with an area of 3 or more *cuerdas* was the census questionnaire filled.

Rural districts with no well-defined cluster of dwellings were considered to be open-country areas and were classified as Group A enumeration districts. For Group A the enumerator was required to list in his Enumerator's Record Book the name of the head of each household within his districts. If no one lived on a tract of land, he was required to list the name of the person who rented the land, worked it on shares, used it for livestock, or, if the land was not used for agricultural purposes, the name of the owner.

Urban areas and villages with approximately 150 or more dwellings were classified as Group C enumeration districts. For these districts, the enumerator was given a list of holders enumerated in the 1950 census of agriculture and was instructed to visit each place listed and find out whether a questionnaire was required.

Instructions covering census procedures were designed in such a manner that objective criteria were supplied, and enumerators were not expected to rely on their own opinions or judgments concerning census entries or classifications. For example, an enumerator was required to complete an agricultural questionnaire when specified conditions were met. Then, during census office processing operations, a decision was made — on the basis of carefully defined criteria — as to which questionnaires represented holdings.

The information for farm facilities, agricultural machinery, farm labor, and *agregados* and *medianeros*, was obtained from only a sample of holdings. The sample consisted of all holdings containing 200 or more *cuerdas* and 20 percent of the remaining holdings. The actual selection of holdings to be included in the sample was made by census enumerators during the enumeration.

Checking, editing, and coding were performed for individual questionnaires at the Agriculture Operations Office at Parsons, Kansas (U.S.A.).

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

A holder was defined as a person who operates a holding, either performing the labor himself or supervising it directly.

Holding

An agricultural holding was considered a "place" where any agricultural products, other than vegetables for home use, were produced, or if any livestock or 15 or more chickens or other poultry were kept on that "place" in 1959. All the land under the control of one person or partnership was included as one holding. Con-

trol may have been through ownership, or through lease or rental arrangements.

Total area of the holding. The area of the holding was obtained by adding the area owned and rented from others, and subtracting the area rented to others.

A question was included in the census questionnaire for obtaining information on the area of land cultivated between 1 November 1958 and 31 October 1959 by agregados who were not medianeros living on the holding at the time of the enumeration. Livestock belonging to agregados and kept on the holding, and all agricultural production by agregados on the holding, were to be reported by the holder on which the agregados lived.

An agregado is a member of a family living on a holding not operated by any member of the family. An agregado may or may not be an employee of the holder, and he may or may not produce any agricultural products of his own on the holding. An agregado usually lives on a small plot large enough for the cultivation of a few crops or the raising of some chickens, pigs or cows. He may be allowed to use the land gratuitously, or may pay informally for the use of the land in work, a share of the agricultural products, or money. He does not control the use of the land and does not have a definite contract with the operator of the holding.

Information was also requested on the number of medianeros working on holdings from 1 November 1958 to 31 October 1959, the area cultivated by them during this period, and the number of livestock kept and agricultural production obtained.

A medianero was considered as a person who works land under a definite arrangement with the holder, receiving a certain share of the crops in return for his labor or other contribution.

Tenure

Area owned by the holder or in ownerlike possession includes all land which the holder or his wife, or both, held under title, purchase contract, or as one of the heirs, or as a trustee of an undivided estate.

Area rented from others includes all land rented or leased under any arrangement whereby the tenant controls the use of the land.

Area operated by managers includes all land managed for others by a person receiving a wage or salary for his services. Holdings operated by the church, schools, or hospitals, or a government agency, were classified as operated by managers.

1 - LAND UTILIZATION

Cropland

This includes all land from which temporary and permanent crops were harvested, and land from which no crop was harvested during the year covered by the census, but which was occupied by sugarcane and pineapples for future harvest. Land from which two or more crops were harvested was to be counted only once.

Permanent meadows and pastures

These include open or brushland pastures.

Wood or forest land

This includes all land in hills, mountains, and brushland which the holder did not consider as suitable for crops or for use as pastureland.

All other land

This includes all house lots, roads, fences, and wasteland, as well as all land in the holding which does not belong to any of the previous land utilization classes.

2 - CROPS

Data for area of "crops on arable land" refer to the area harvested.

Figures for vegetables include only those harvested for sale.

3 - LIVESTOCK AND POULTRY

Data for this item include all animals on the holding on which they were located at the time

PUERTO RICO

of the enumeration, regardless of ownership. Data include also animals belonging to agregados and medianeros.

4 - EMPLOYMENT IN AGRICULTURE

Data refer to the number of persons, 14 years of age and over, working on the farm during the calendar week preceding the enumeration. Farm work was to include any work, chores on the holding, and the planning necessary to the operation of the holding. Housework was excluded.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data on agricultural equipment refer to the number of machines found on the holding at

the time of enumeration, regardless of ownership. Machines temporarily out of order were included.

7 - IRRIGATION AND DRAINAGE

Irrigated land was defined as land to which water was applied by artificial means for agricultural purposes.

* * *

SOURCE: United States. Department of Commerce, Bureau of the Census. *United States census of agriculture 1959. Puerto Rico, municipalities*. Washington, D.C., 1961. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume 1, *Census results by countries*, Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

PUERTO RICO

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	45 792
Area	661 245

Mode of operation of holding

Operated by the holder

Number	45 231
Area	532 720

Operated through a hired manager

Number	561
Area	128 525

Number and area of holdings, by tenure ¹

Holdings operated under one form of tenure

Holdings owned by the holder or in ownerlike possession	
Number	41 226
Area	403 624

Holdings rented from others

Number	1 688
Area	38 666

Holdings operated under more than one form of tenure

Number	2 317
Area	90 428

Holdings operated by managers

Number	561
Area	128 525

Area in holdings, by tenure ²

Area owned by the holder or in ownerlike possession	452 257
Area rented from others	80 462
Area operated by managers	128 525

1 - LAND UTILIZATION

Utilization of land in holdings (area)

Cropland	284 614
Permanent meadows and pastures	284 249
Wood or forest land	62 291
All other land	30 090

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Rice

Number of holdings reporting	483
Area	228
Production	164

Maize

Number of holdings reporting	8 425
Area	6 342
Production	5 787

Edible dry beans

Number of holdings reporting	5 851
Area	2 329
Production	1 237

Cowpeas

Number of holdings reporting	1 928
Area	568
Production	304

Pigeon peas

Number of holdings reporting	10 503
Area	4 541
Production	3 436

Manioc (cassava)

Number of holdings reporting	2 340
Area	501
Production	1 111

Sweet potatoes

Number of holdings reporting	8 997
Area	3 154
Production	7 215

Cocoyams and yams

Area	6 521
Production	20 440

Sugarcane

Number of holdings reporting	9 804
Area	126 129
Production	9 212 536

Cotton

Number of holdings reporting	71
Area	162
Production	134

Groundnuts (peanuts)

Number of holdings reporting	57
Area	40
Production	32

Tobacco

Number of holdings reporting	8 330
Area	6 810
Production	8 808

Grasses cut for hay

Area	26 487
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Cabbage

Number of holdings reporting	484
Area	168
Production	1 055

Lettuce

Number of holdings reporting	379
Area	48

¹ The census covered also 52,892 *parcelas* of at least $\frac{1}{4}$ cuerda but less than 3 cuerdas for which the following data have been published:

Number of *parcelas* by tenure

Owned by the holder	31 250
Rented from others	1 707
On a fixed cash basis	(713)
For a share of the produce	(994)

Operated under other forms of tenure

By "usufructuaries"	19 935
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² Data as presented by the country include 10,687 ha of land rented to others. In accordance with the original report 1,038 ha of this area were excluded from the area operated by managers. The remaining 9,649 ha, which in the report might be included in both land owned and land rented from others, have been subtracted from land owned only. Figures in the original source are given as follows:

Area owned by the holder	461 906
Area rented from others	80 462
Area managed for others	129 563
Area rented to others	10 687

Area: in hectares
Production: in metric tons
(unless otherwise specified)

PUERTO RICO

Not classified by size of holding

Pumpkins and squashes					
Number of holdings reporting	2	489			
Area		917			
Production	2	736			
Cucumbers					
Number of holdings reporting		140			
Area		37			
Production		124			
Eggplants					
Number of holdings reporting		504			
Area		77			
Production		220			
Okra					
Number of holdings reporting		156			
Area		37			
Production		74			
Tomatoes					
Number of holdings reporting	1	307			
Area		426			
Production	1	771			
Peppers					
Number of holdings reporting	1	394			
Area		286			
Production		698			
Onions					
Number of holdings reporting		33			
Area		11			
Production		30			
Carrots					
Number of holdings reporting		16			
Area		4			
Celeriac					
Number of holdings reporting		536			
Area		138			
Production		623			
Beans (green)					
Number of holdings reporting		445			
Area		160			
Production		247			
Other vegetables harvested for sale					
Area		40			
Sugarcane cut for seed in 1959					
Number of holdings reporting		781			
Area	1	576			
Ornamental plants					
Number of holdings reporting		181			
Permanent crops					
Oranges					
Number of holdings reporting		18	879		
Area			5 067		
Number of trees	1	234	797		
Of productive age	(1	035	822)		
Of nonproductive age		(198	975)		
Number of fruit (in thousands)		159	444		
Grapefruit					
Number of holdings reporting		8	756		
Area			755		
Number of trees		143	384		
Of productive age		(126	349)		
Of nonproductive age		(17	035)		
Number of fruit (in thousands)		12	507		
Limes					
Number of holdings reporting		4	234		
Area			66		
Number of trees		23	596		
Of productive age		(18	216)		
Of nonproductive age		(5	380)		
Number of fruit (in thousands)		3	673		
Citrons					
Number of holdings reporting			369		
Area			441		
Number of trees		91	798		
Of productive age		(78	989)		
Of nonproductive age		(12	809)		
Production		2	759		
Breadfruit					
Number of holdings reporting		1	101		
Area			57		
Number of trees		9	951		
Of productive age		(9	302)		
Of nonproductive age		(649)			
Number of fruit (in thousands)		1	307		
Mangoes					
Number of holdings reporting		5	142		
Area			565		
Number of trees		92	753		
Of productive age		(83	753)		
Of nonproductive age		(9	000)		
Number of fruit (in thousands)		35	375		
Avocados					
Number of holdings reporting		12	454		
Area			1 386		
Number of trees		193	983		
Of productive age		(146	203)		
Of nonproductive age		(47	780)		
Number of fruit (in thousands)		16	425		
Custard apples					
Number of holdings reporting		15			
Number of trees		57			
Of productive age		(56)			
Of nonproductive age		(1)			
Guavas					
Number of holdings reporting		621			
Area			143		
Number of trees		47	159		
Of productive age		(41	840)		
Of nonproductive age		(5	319)		
Number of fruit (in thousands)		6	419		
Soursops					
Number of holdings reporting		79			
Number of trees		613			
Of productive age		(580)			
Of nonproductive age		(33)			
Number of fruit (in thousands)		14			
Pomshock					
Number of holdings reporting		3			
Number of trees		45			
Of productive age		(10)			
Of nonproductive age		(35)			
Number of fruit (in thousands)		2			
Mamey					
Number of holdings reporting		75			
Number of trees		325			
Of productive age		(296)			
Of nonproductive age		(29)			
Number of fruit (in thousands)		21			

Area: in hectares
Production: in metric tons
(unless otherwise specified)

PUERTO RICO

Not classified by size of holding

Star apples

Number of holdings reporting	19
Number of trees	60
Of productive age	(52)
Of nonproductive age	(8)
Number of fruit (in thousands).....	2

Tamarinds

Number of holdings reporting	14
Number of trees	111
Of productive age	(109)
Of nonproductive age	(2)
Number of fruit (in thousands).....	4

Bananas

Number of holdings reporting	22 403
Area	13 506
Number of bunches (in thousands).....	13 808

Plantains

Number of holdings reporting	13 753
Area	6 241
Number of bunches (in thousands).....	6 782

Pineapples

Number of holdings reporting	56
Area	1 583
Production	38 342

Papayas

Number of holdings reporting	524
Area	42
Number of trees	50 825
Of productive age	(36 358)
Of nonproductive age	(14 467)
Number of fruit (in thousands).....	1 437

Vanilla

Number of holdings reporting	10
Vines of productive age	100

Coffee

Number of holdings reporting	22 963
Area	72 088
Production	13 154

Cocoa

Number of holdings reporting	210
Area	17
Number of trees	4 667
Trees of productive age	(3 498)
Trees of nonproductive age	(1 169)
Production	9

Coconuts

Number of holdings reporting	9 188
Area	4 117
Number of trees	612 743
Of productive age	(517 056)
Of nonproductive age	(95 687)
Number of nuts (in thousands).....	23 393

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Horses

Number of holdings reporting	14 503
Number of horses.....	22 900

Mules and asses

Number of holdings reporting	1 470
Number of mules and asses.....	3 685

Cattle

Number of holdings reporting	26 957
Total number of cattle	294 106

Cows and heifers

Number of holdings reporting	25 906
Number of cows and heifers	175 280

Milk cows

Number of holdings reporting	23 073
Number of milk cows	96 246

Calves

Number of holdings reporting	19 674
Number of calves	73 488

Steers and bulls

Number of holdings reporting	6 074
Number of steers and bulls	29 455

Work oxen

Number of holdings reporting	4 266
Number of work oxen	15 883

Sheep

Number of holdings reporting	180
Number of sheep	1 761

Goats

Number of holdings reporting	4 747
Number of goats	15 191

Pigs

Number of holdings reporting	24 569
Total number of pigs	73 029
Pigs under 4 months of age	
Number of holdings reporting	11 424
Number of pigs.....	(31 956)
Pigs 4 months of age and over	
Number of holdings reporting	18 537
Number of pigs.....	(41 073)

Poultry

Total number of hens and chickens	2 153 937
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Hens

Number of holdings reporting	36 781
Number of hens	(874 997)

Chickens

Number of holdings reporting	34 025
Number of chickens	(1 278 940)

Ducks

Number of holdings reporting	1 528
Number of ducks	7 737

Geese

Number of holdings reporting	169
Number of geese.....	833

Turkeys

Number of holdings reporting	1 874
Number of turkeys	9 239

Guinea fowls

Number of holdings reporting	2 418
Number of guinea fowls	20 524

Pigeons

Number of holdings reporting	3 071
Number of pigeons	52 233

Bees

Number of holdings reporting	608
Number of beehives	8 627

Honey produced

Number of holdings reporting	475
Production	15

Area: in hectares
Production: in metric tons
(unless otherwise specified)

PUERTO RICO

Not classified by size of holding

4 - EMPLOYMENT IN AGRICULTURE ^{3,4}

Persons employed in agricultural work on the holding (14 years of age and over)	
All persons	115 667
Holders and members of their families ...	(50 938)
Persons working for pay on the holding ..	(64 729)

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES ³

Use and source of power on the holding ⁵

Number of holdings reporting the use of:	
Mechanical power	3 082
Animal power	16 775
Human power only	25 515

Selected agricultural equipment on the holding

Tractors

Number of holdings reporting	1 309
Number of tractors	3 338

Coffee pulping machines

Number of holdings reporting	5 419
Number of coffee pulping machines	5 568

Coffee driers

Number of holdings reporting	416
Number of coffee driers	546

Milking machines

Number of holdings reporting	344
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Milk coolers

Number of holdings reporting	861
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Oxcarts

Number of holdings reporting	1 924
Number of oxcarts	4 035

Other carts

Number of holdings reporting	936
Number of other carts	7 484

Motortrucks

Number of holdings reporting	3 381
Number of motortrucks	4 450

7 - IRRIGATION AND DRAINAGE

Total area of land irrigated

Number of holdings reporting	570
Area	30 660

³ Data are estimates based on reports for only a sample of holdings.

⁴ Information on agregados living on holdings and medianeros working on holdings was given in the original report as follows:

Agregados

Number of holdings reporting	12 447
Number of families	38 927
Land cultivated (area)	2 557

Medianeros

Number of holdings reporting	2 478
Number of medianeros	4 200
Land cultivated (area)	4 125

⁵ Excluding 427 holdings not reporting use of mechanical or animal power.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

PUERTO RICO
Classified by size of holding

	All sizes of holdings	1.2 and under 3.9 ha	3.9 and under 7.9 ha	7.9 and under 19.7 ha	19.7 and under 39.3 ha	39.3 and under 102.2 ha	102.2 ha and over
		3 and under 10 cuerdas	10 and under 20 cuerdas	20 and under 50 cuerdas	50 and under 100 cuerdas	100 and under 260 cuerdas	260 cuerdas and over
0 - HOLDER, HOLDING AND TENURE							
Number and area of holdings							
Number	45 792	22 967	9 654	7 788	2 621	1 724	1 038
Percentage distribution	100.0	50.2	21.1	17.0	5.7	3.7	2.3
Area	661 245	45 308	51 120	91 966	69 418	103 523	299 910
Percentage distribution	100.0	6.9	7.7	13.9	10.5	15.7	45.3
1 - LAND UTILIZATION							
Utilization of land in holdings (area)							
Cropland	284 614	21 931	21 312	35 159	27 108	42 222	136 882
Permanent meadows and pastures....	284 249	18 215	23 207	43 680	32 335	45 718	121 094
Wood or forest land	62 291	...	...	...	...	...	...
All other land	30 090	...	...	...	...	...	...

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1959

PUERTO RICO

	1950	1959		1950	1959
0 - HOLDER, HOLDING AND TENURE			Edible dry beans		
Number and area of holdings, by size			Number of holdings reporting .	18 372	5 851
All sizes of holdings			Area	7 846	2 329
Number	53 515	45 792	Production	2 635	1 237
Area	725 086	661 245	Pigeon peas		
Holdings 1.2 and under 3.9 ha			Number of holdings reporting .	23 744	10 503
Number	27 985	22 967	Area	8 032	4 541
Area	56 206	45 308	Production	3 147	3 436
Holdings 3.9 and under 7.9 ha			Sweet potatoes		
Number	10 538	9 654	Number of holdings reporting .	25 552	8 997
Area	56 772	51 120	Area	9 361	3 154
Holdings 7.9 and under 19.7 ha			Production	14 735	7 215
Number	8 687	7 788	Sugarcane		
Area	103 648	91 966	Number of holdings reporting .	11 204	9 804
Holdings 19.7 and under 39.3 ha			Area	135 227	126 129
Number	3 166	2 621	Production	9 706 052	9 212 536
Area	84 952	69 418	Tobacco		
Holdings 39.3 and under 102.2 ha			Number of holdings reporting .	14 937	8 330
Number	2 067	1 724	Area	10 546	6 810
Area	125 608	103 523	Production	10 094	8 808
Holdings 102.2 ha and over			Oranges		
Number	1 072	1 038	Number of holdings reporting .	23 883	18 879
Area	297 900	299 910	Area	6 497	5 067
Average size of holding	13.5	14.4	Avocados		
Number and area of holdings, by tenure			Number of holdings reporting .	25 834	12 454
Holdings operated under one form of tenure			Area	2 905	1 386
Owned by the holder or in ownerlike possession			Bananas		
Number	47 821	41 226	Number of holdings reporting .	31 821	22 403
Area	461 473	403 624	Area	17 388	13 506
Rented from others			Plantains		
Number	2 910	1 688	Number of holdings reporting .	16 770	13 753
Area	49 547	38 666	Area	5 945	6 241
Holdings operated under more than one form of tenure			Pineapples		
Number	2 363	2 317	Number of holdings reporting .	140	56
Area	80 361	90 428	Area	1 396	1 583
Holdings operated by managers			Coffee		
Number	421	561	Number of holdings reporting .	24 657	22 963
Area	133 705	128 525	Area	69 324	72 088
Area in holdings, by tenure			Coconuts		
Area owned by the holder or in ownerlike possession	504 923	452 257	Number of holdings reporting .	16 490	9 188
Area rented from others	86 458	80 462	Area	4 933	4 117
Area operated by managers	133 705	128 525			
1 - LAND UTILIZATION			3 - LIVESTOCK AND POULTRY		
Utilization of land in holdings (area)			Horses		
Cropland	302 182	284 614	Number of holdings reporting .	19 126	14 503
Permanent meadows and pastures	312 401	284 249	Number of horses	36 390	22 900
Wood or forest land	71 592	62 291	Cattle		
All other land	38 911	30 090	Number of holdings reporting .	32 852	26 957
			Number of cattle	289 389	294 106
2 - CROPS - AREA AND PRODUCTION			Goats		
Maize			Number of holdings reporting .	11 505	4 747
Number of holdings reporting .	24 334	8 425	Number of goats	39 311	15 191
Area	15 523	6 342	Pigs		
Production	10 488	5 787	Number of holdings reporting .	30 607	24 569
			Number of pigs	91 069	73 029
			6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
			Selected agricultural equipment on the holding		
			Tractors		
			Number of holdings reporting .	770	1 309
			Number of tractors	1 626	3 338

Date of the census and time reference

The enumeration of the shifting cultivation areas started on 1 June 1960 and was completed by mid-July. Enumeration of settled cultivation areas started on 15 July and was finished by the end of September 1960. The enumeration in the Sibü (rural) district was done in September and October 1961.

Census data refer to the crop year 1959/60 for all districts with the exception of Sibü (rural) where they refer to the crop year 1960/61.

Method of collection and processing of census data

The agricultural census of Sarawak was carried out by sampling. A list of the farm households was used as the frame for the selection of the sample. This list was based on the housing list prepared for the population census. The enumerators were then required to ask three additional questions, namely :

1. Is any livestock kept?
2. How many acres of land are operated?
3. What is the main crop?

The answers to these questions permitted the preparation of the list of farm households.

In settled cultivation areas, stratification of holdings was carried out by size of holding and main crop. The size classes were the following:

- (a) under 5 acres;
- (b) 5 and under 10 acres;
- (c) 10 and under 25 acres;
- (d) 25 and under 100 acres;
- (e) 100 acres and over;
- (f) holdings without land.

In each stratum farm households were then arranged according to the main crop on the hold-

ing, e.g., rice, rubber, coconut. The crop occupying the largest area was considered as the main crop; in the case of more than one crop occupying the same area, the permanent one or the more economic of the two was considered as the main crop.

A systematic random sample was taken for the size-classes (a), (b), (c), (d) and (f), for which the sampling fractions were one twentieth for (a) and (f); one tenth for (b); one fifth for (c); and one half for (d). The size-class (e) was completely enumerated.

In shifting cultivation areas a systematic cluster sample of holdings was taken. The size of a cluster was five doors of longhouses² with a sampling fraction of one eighth in the first, second and third divisions and one sixth in the fourth and fifth divisions (the territory is divided into five administrative divisions).

Two different questionnaires were used for the enumeration: one for settled agriculture, and the other for shifting cultivation areas.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

An agricultural holding was defined as a household engaged in agricultural production. Agricultural production was considered as the growing of field crops, such as rice, maize, rubber, coconut, etc., and the production of livestock and livestock products. Households operating land below half an acre were excluded from the census. A household was defined, for census purposes, as "one person or group of persons who live as a single economic unit." Thus, the land that was operated under one farm household was not limited to the land operated by the

¹ Parts of Kapit, Baram and Limbang districts were not covered by the census due to access difficulties. Certain parts of Lubok Antu district were also excluded.

² Longhouses are residences of certain tribes in the country. A longhouse has several separate rooms, sometimes up to forty, and each family occupies one room.

SARAWAK

head of the household only but also included all land operated by other members of the household. Land used in partnership with other households, or land used in common by the whole community, was excluded from the census.

Tenure

Data on this subject refer to settled cultivation only.

Area owned by the holder or in ownerlike possession includes land on which any member of the household possesses title of ownership and consequently the right to determine the nature and extent of its use, as well as the right of transfer. It includes also land operated in ownerlike way even without an ownership title. Native customary rights, hereditary tenure, etc., are included in this category.

Area rented from others includes land rented for a fixed amount of money or produce or both, as well as land rented for a share of the produce, in exchange for services, and land operated gratuitously (rent free).

1 - LAND UTILIZATION

Data on this subject refer to the settled cultivation areas only.

Arable land

This includes land under temporary crops and fallow land, i.e., land which has remained idle for three years or less.

Land under permanent crops

This includes the area under crops that remain on the land for more than one year and give successive harvests without replanting.

Grazing land

This includes land used for grazing, whether care or maintenance over the land is exercised by the holder (like seeding, fertilizing, etc.) or not.

Wood or forest land

This includes land set apart for the collection of timber, wood and other forest products whether planted or natural. It includes also land remaining idle for more than three years.

All other land

This includes the area forming part of the holding, but not used for agricultural purposes like swamp areas, building sites, drying floors, smoke houses, waste land, etc.

For purposes of land utilization classification, in the case of permanent and temporary crops grown together, the whole area was assigned to the permanent or temporary crops depending on which one occupied more than 50 percent of the area under mixed cultivation.

2 - CROPS

Under the heading "Other temporary crops" and "Other permanent crops" were mentioned only those crops which occupied in the holding at least one tenth of an acre of area.

3 - LIVESTOCK AND POULTRY

Only animals belonging to the holder and used for agricultural purposes were enumerated. Animals belonging to more than one holding were enumerated as belonging to that holding which normally looked after them.

4 - EMPLOYMENT IN AGRICULTURE

Information refers to the holders and members of their household employed in agricultural work on the holdings. Household work was not considered as agricultural work.

5 - FARM POPULATION

Farm population is restricted to members of the holder's household who usually live in the same house and form part of the same economic unit. Visitors, guests or persons staying on holdings, but living as a separate unit, were excluded.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

General transport facilities include only the principal means used for the transport of agricultural products for sale outside the holding.

* * *

SOURCE: Sarawak. *Census of agriculture, 1960* (Mimeographed).

Area : in hectares
(unless otherwise specified)

SARAWAK

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	81 731
Of which holdings with settled cultivation:	
Number	44 712
Area	240 676

Number and area of holdings, by tenure¹

Holdings operated under one form of tenure

Holdings owned by the holder or in owner-like possession

Number	38 404
Area	226 974

Holdings rented from others

Number	1 564
Area	2 258

Holdings operated under more than one form of tenure

Number	2 303
Area	11 444

1 - LAND UTILIZATION

Utilization of land in holdings

Arable land

Number of holdings reporting ²	22 017
Area	54 302

Land under permanent crops

Number of holdings reporting	37 542
Area	153 868

Grazing land

Number of holdings reporting	527
Area	3 074

Wood or forest land

Number of holdings reporting	9 178
Area	23 438

All other land

Number of holdings reporting	15 330
Area	5 994

2 - CROPS - AREA

Crops on arable land

Rice

Number of holdings reporting	53 620
Area	70 450 ³

Malze

Number of holdings reporting	18 018
Area	4 621

Job's tears

Number of holdings reporting	6 141
Area	1 080

Soybeans

Number of holdings reporting	420
Area	70

Manioc (cassava)

Number of holdings reporting	11 069
Area	1 781

Sweet potatoes

Number of holdings reporting	271
Area	76

Groundnuts (peanuts)

Number of holdings reporting	204
Area	21

Tobacco

Number of holdings reporting	1 361
Area	417

Vegetables

Number of holdings reporting	8 912
Area	807

Other temporary crops

Number of holdings reporting	3 458
Area	639

Permanent crops

Citrus trees

Number of holdings reporting	2 109
Area	501

Bananas

Number of holdings reporting	6 445
Area	951

Pineapples

Number of holdings reporting	3 162
Area	490

Other fruit trees

Number of holdings reporting	9 225
Area	2 037

Pepper

Number of holdings reporting	9 532
Area (total)	2 904

Trees of productive age

Number of holdings reporting	6 269
Area	(1 912)

Trees of nonproductive age

Number of holdings reporting	5 750
Area	(992)

Coffee

Number of holdings reporting	2 276
Area	514

Coconuts

Number of holdings reporting	6 427
Area	12 679

Rubber

Number of holdings reporting	56 083
Area (total)	179 027

Trees of productive age

Area	(100 886)
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Trees of nonproductive age

Area	(78 141)
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Kapok

Number of holdings reporting	128
Area	41

Sago palm

Number of holdings reporting	5 611
Area	16 687

Other permanent crops

Number of holdings reporting	2 818
Area	831

¹ Excludes information on 2,441 holdings without land. ² Holdings reporting temporary crops. ³ Adjusted official estimates, including estimates for parts of those districts not covered by the census, give the area under rice as 97,000 ha.

Area : in hectares
(unless otherwise specified)

SARAWAK

Not classified by size of holding

3 - LIVESTOCK AND POULTRY

Cattle

Number of holdings reporting	1 448
Total number of cattle	8 441
Cattle under 2 years of age	2 779
Male.....	(1 205)
Female	(1 574)
Cattle 2 years of age and over	5 662
Male.....	(1 535)
Female	(4 127)

Buffaloes

Number of holdings reporting	1 520
Total number of buffaloes	6 742
Buffaloes under 3 years of age	2 326
Male.....	(926)
Female	(1 400)
Buffaloes 3 years of age and over	4 416
Male.....	(1 317)
Female	(3 099)

Goats

Number of holdings reporting	2 087
Number of goats	10 057

Pigs

Number of holdings reporting	43 384
Total number of pigs	165 076
Pigs under 6 months of age	(68 422)
Pigs for breeding 6 months of age and over	(56 562)
Other pigs 6 months of age and over	(40 092)

Fowls

Number of holdings reporting	74 938
Number of fowls	1 064 288

Ducks

Number of holdings reporting	9 444
Number of ducks	71 563

Geese

Number of holdings reporting	1 167
Number of geese	3 307

4 - EMPLOYMENT IN AGRICULTURE

Persons employed in agricultural work on the holding

Number of holdings reporting	76 438
Holders and unpaid members of their households	232 471

5 - FARM POPULATION

Holders and members of the holder's household

All persons	477 418
Male	(238 727)
Female	(238 691)
Persons under 12 years of age	195 227
Male.....	(99 872)
Female	(95 355)
Persons 12 years of age and over	282 191
Male.....	(138 855)
Female	(143 336)

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Use and source of power on the holding

Number of holdings reporting the use of:	
Animal power	524
Mechanical power	22
Human power only	81 185

Means used to transport products from holdings to first place of sale

Number of holdings reporting transport mainly :	
On foot	12 193
By bicycle	2 139
By motorvehicle	5 856
By water transport means	31 199

Area : in hectares
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING ¹

SARAWAK
Classified by size of holding

	All sizes of holdings	Holdings without land	Under 2.0 ha Under 5 acres	2.0 and under 4.0 ha 5 and under 10 acres	4.0 and under 10.1 ha 10 and under 25 acres	10.1 and under 40.5 ha 25 and under 100 acres	40.5 ha and over 100 acres and over
0 - HOLDER, HOLDING AND TENURE							
Number and area of holdings							
Number	81 731	3 079	27 780	23 163	20 778	6 661	270
Percentage distribution	100.0	3.8	34.0	28.3	25.4	8.2	0.3
Of which holdings with settled cultivation :							
Number	44 712	2 441	11 052	11 479	13 900	5 618	222
Percentage distribution	100.0	5.5	24.7	25.7	31.0	12.6	0.5
Area	240 676	—	12 282	33 343	86 905	92 713	15 433
Percentage distribution	100.0	—	5.1	13.9	36.1	38.5	6.4
1 - LAND UTILIZATION							
Utilization of land in holdings							
Arable land							
Number of holdings reporting ²	22 017	—	6 028	6 683	7 126	2 133	47
Area	54 302	—	4 891	8 548	16 474	21 256	3 133
Land under permanent crops							
Number of holdings reporting	37 542	—	7 782	10 452	13 534	5 562	212
Area	153 868	—	6 184	20 789	58 794	58 764	9 337
Grazing land							
Number of holdings reporting	527	—	72	30	181	213	31
Area	3 074	—	28	18	425	1 514	1 089
Wood or forest land							
Number of holdings reporting	9 178	—	1 067	2 522	3 812	1 708	69
Area	23 438	—	627	2 986	9 157	8 923	1 745
All other land							
Number of holdings reporting	15 330	—	3 930	3 747	5 394	2 168	91
Area	5 994	—	552	1 002	2 055	2 256	129
3 - LIVESTOCK AND POULTRY							
Cattle							
Number of holdings reporting	1 448	52	340	284	484	251	37
Number of cattle	8 441	187	2 367	1 259	2 366	1 897	365
Buffaloes							
Number of holdings reporting	1 520	8	226	437	577	263	9
Number of buffaloes	6 742	72	913	1 639	2 440	1 578	100
Goats							
Number of holdings reporting	2 087	78	484	502	724	275	24
Number of goats	10 057	941	1 509	2 167	3 845	1 338	257
Pigs							
Number of holdings reporting	43 384	902	13 634	13 140	11 622	3 902	184
Number of pigs	165 076	2 968	43 039	40 977	43 293	19 158	15 641
Fowls							
Number of holdings reporting	74 938	2 263	24 866	21 813	19 507	6 233	256
Number of fowls	1 064 288	28 638	298 934	281 120	314 005	131 497	10 094
Ducks							
Number of holdings reporting	9 444	561	2 576	2 142	2 801	1 313	51
Number of ducks	71 563	3 840	20 559	14 904	20 605	11 096	559
Geese							
Number of holdings reporting	1 167	97	323	274	321	135	17
Number of geese	3 307	269	904	839	867	372	56

¹ In shifting cultivation, the area cultivated in the 1959/60 season was considered as total area of holding. ² Holdings reporting temporary crops.

Date of the census and time reference

The census enumeration was carried out from October 1960 to January 1961.

Data on production refer to the year 1959. All other data refer to 31 October 1960.

Method of collection and processing of census data

The agricultural census was a combined postal enumeration of holdings of 20 acres and over, a complete enumeration of 84 small holdings of 5 acres and 4 holdings of 10 acres leased by the Government to selected tenants, and a limited survey of livestock for small holdings of 2 acres and over.

Scope and definition of items**0 - HOLDER, HOLDING AND TENURE***Holding*

A holding was considered as land with an area of two acres and over under the control of the holder.

When two or more plantations were under the same ownership, but the management and supervision were carried out by different persons, they were classified as separate holdings.

1 - LAND UTILIZATION

Data on land utilization were estimated in the case of holdings of 2 acres and under 20, except the government-sponsored small holdings which were enumerated as well as the estates of 20 acres and over.

Arable land

This includes land without coconuts and/or forest trees, on which crops such as sugarcane, vegetables, tobacco, manioc, etc., were grown or could be grown.

Land under permanent crops

This includes land planted to coconuts, cinnamon and coffee, whether grown alone or in association.

Wood or forest land

This includes all wood lots or tracts of timber, natural or planted, which had value as wood, timber or forest products.

All other land

This includes the area occupied by homesteads, farm buildings, and rocky hillsides unfit for cultivation.

2 - CROPS

Data on crop area refer to the area harvested as at 31 October 1960.

3 - LIVESTOCK AND POULTRY

Data refer to the number of livestock and poultry found on the holding irrespective of whether they belonged to the holder or to his employees.

4 - EMPLOYMENT IN AGRICULTURE

Data relate to 31 October 1960. Figures exclude children under 15 years of age.

9 - WOOD AND FISHERY PRODUCTS

Wood production refers to the quantities sold from holdings with an area of 10 acres (0.40 ha) and over during 1959.

* * *

SOURCE: *Seychelles agricultural census 1960. Report and tables*. Victoria, Census Commissioner.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SEYCHELLES

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	3 077
Area	25 905

1 - LAND UTILIZATION

Utilization of land in holdings¹ (area)

Arable land	1 004
Land under permanent crops	12 254
Wood or forest land	4 494
All other land	7 686

2 - CROPS² - AREA AND PRODUCTION

Crops on arable land

Maize

Number of holdings reporting	31
Area	74

Manioc (cassava)

Number of holdings reporting	191
Area	57

Sweet potatoes (including yams)

Number of holdings reporting	136
Area	28

Sugarcane

Number of holdings reporting	175
Area	40

Patchouli

Number of holdings reporting	46
Area	24

Tobacco

Number of holdings reporting	97
Area	21

Vegetables

Number of holdings reporting	116
Area	32

Permanent crops

Citrus trees

Number of holdings reporting	55
Area	21

Breadfruit

Production	986 ³
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Jackfruit

Production	2 875 ³
------------------	--------------------

Bananas and plantains

Number of holdings reporting	254
Area	86

Cinnamon

Number of holdings reporting	306
Area	5 188

Vanilla

Number of holdings reporting	191
Area	287

Coffee

Number of holdings reporting	60
Area	21

Coconuts

Number of holdings reporting	370
Area	8 405
Number of nuts (in thousands)	32 632

3 - LIVESTOCK AND POULTRY

Cattle

Total number of cattle	1 589
Cattle under 2 years of age	(600)
Cattle 2 years of age and over	(989)

Goats

Number of goats	260
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Pigs

Total number of pigs	3 058
Pigs under 6 months of age	(1 147)
Sows and gilts for breeding, 6 months of age and over	(714)
All other pigs	(1 197)

Poultry³

Number of chickens	19 675
Number of turkeys	476
Number of ducks	1 522

4 - EMPLOYMENT IN AGRICULTURE

Number of persons employed in agricultural work on the holding

All persons	5 910
Male	(3 732)
Female	(2 178)

9 - WOOD AND FISHERY PRODUCTS

Wood products obtained on the holdings

Firewood	
Production (cubic meters)	13 133

¹ Excluding information on 467 ha of land in holdings for which information on land utilization is not available. ² Data on crops include holdings 8.09 ha and over and 88 government-sponsored small holdings. ³ Estimates.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

SEYCHELLES ¹

Classified by size of holding

	All sizes of hold- ings	Under 0.8 ha	0.8 and under 1 ha	1 and under 2.02 ha	2.02 and under 4.05 ha	4.05 and under 8.09 ha	8.09 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 101 ha	101 and under 202 ha	202 and under 405 ha	405 and under 1011 ha	1011 ha and over
		Under 2 acres	2 and under 2.5 acres	2.5 and under 5 acres	5 and under 10 acres	10 and under 20 acres	20 and under 50 acres	50 and under 100 acres	100 and under 250 acres	250 and under 500 acres	500 and under 1000 acres	1000 and under 2500 acres	2500 acres and over
0 - HOLDER, HOLDING AND TENURE													
Number and area of holdings													
Number	3 077	1 934	122	272	283	161	131	61	57	31	17	6	2
Percentage distribution	100.0	62.9	4.0	8.8	9.2	5.2	4.3	2.0	1.8	1.0	0.5	0.2	0.1
Area	25 905	282	100	369	695	875	1 679	1 632	3 632	4 091	5 035	3 873	3 642
Percentage distribution	100.0	1.1	0.4	1.4	2.7	3.4	6.5	6.3	14.0	15.8	19.4	15.0	14.0

¹ Data on crops, classified by total area of holding, are available only for holdings 8.09 ha and over as follows.

	Total holdings 8.09 ha and over	8.09 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 101 ha	101 and under 202 ha	202 and under 405 ha	405 and under 1011 ha	1011 ha and over
	Total holdings 20 acres and over	20 and under 50 acres	50 and under 100 acres	100 and under 250 acres	250 and under 500 acres	500 and under 1000 acres	1000 and under 2500 acres	2500 acres and over
2 - CROPS ^a - AREA								
Crops on arable land								
Maize								
Number of holdings reporting	31	12	3	5	5	4	2	—
Area	74	1	1	12	11	7	42	—
Manioc (cassava)								
Number of holdings reporting	191	113	24	26	14	10	3	1
Area	57	19	11	10	6	6	1	4
Sweet potatoes (including yams)								
Number of holdings reporting	136	82	10	21	10	9	3	1
Area	28	13	2	5	4	3	1	—
Sugarcane								
Number of holdings reporting	175	105	19	30	11	8	1	1
Area	40	21	5	6	4	3	—	1
Patchouli								
Number of holdings reporting	46	18	9	8	7	3	—	1
Area	24	2	6	2	3	10	—	1
Tobacco								
Number of holdings reporting	97	43	16	21	9	6	1	1
Area	21	4	3	5	3	2	3	1
Vegetables								
Number of holdings reporting	116	52	17	21	12	9	4	1
Area	32	6	5	7	6	5	3	—
Permanent crops								
Citrus trees								
Number of holdings reporting	55	13	13	10	8	9	1	1
Area	21	9	3	2	2	4	—	1
Bananas and plantains								
Number of holdings reporting	254	142	36	39	22	12	2	1
Area	86	27	19	18	12	6	1	3
Cinnamon								
Number of holdings reporting	306	177	43	48	23	11	3	1
Area	5 188	586	531	1 305	1 149	739	858	20
Vanilla								
Number of holdings reporting	191	79	40	35	21	12	3	1
Area	287	73	38	71	33	62	4	6
Coffee								
Number of holdings reporting	60	17	10	14	8	10	—	1
Area	21	3	4	4	3	5	—	2
Coconuts								
Number of holdings reporting	370	206	57	57	28	17	3	2
Area	8 405	856	751	1 552	1 673	1 809	1 113	651

^a Data on crops include also 88 government-sponsored small holdings.

SOUTHERN RHODESIA

European holdings

Date of the census and time reference

The deadline for returning the agricultural census questionnaires was fixed as 31 October 1960.

Data on area and production of crops, irrigation and amount of fertilizers used refer to the crop year 1959/60 ending 30 September 1960. Information on number of trees, livestock and poultry, employment in agriculture, source of electric power, and agricultural machinery refers to 30 September 1960.

Method of collection and processing of census data

An annual agricultural census of European farmers is carried out by the Central Statistical Office. Questionnaires are sent out by post to all holders of land of 25 acres (10 ha) and over. No enumerators are used, the recipients being obliged by law to complete and return the questionnaire.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

A holding or "agricultural unit" is defined as "land occupied as a unit for agricultural purposes, including any building occupied for a purpose connected with farming." Holdings of less than 25 acres were excluded from the census.

¹ Figures on the production of fruit, vegetables and poultry are necessarily understated due to the exclusion of holdings under 25 acres (10 ha).

Agricultural purposes include horticulture, forestry, fruit growing, seed growing, dairy farming, livestock breeding and keeping, the use of land for grazing, keeping of animals for breeding or for the production of food, wool, skins or fur or for their use in the farming of land.

When two or more farms held under one ownership were worked separately, they were considered as separate holdings. Adjoining farms under one management, unless in different districts, were treated as one holding and particulars given in one return.

2 - CROPS¹

Data on area refer to area planted. Where the whole of a crop had failed, the total area planted to the crop was shown and a nil entry made for the yield.

3 - LIVESTOCK AND POULTRY¹

All livestock owned by persons other than Africans (whether for slaughtering or breeding) including stock grazed for other persons, was included. Native-owned stock was excluded.

* * *

SOURCE: Federation of Rhodesia and Nyasaland. *Report on the agricultural production of Southern Rhodesia, Northern Rhodesia and Nyasaland, 1960*. Compiled in the Agricultural Section of the Central Statistical Office, Salisbury, 1961. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume 1, *Census results by countries*. Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SOUTHERN RHODESIA

European holdings

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings	
Number	7 064
Area	13 955 057

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Winter wheat

Area	376
Production	481

Sorghum

Area	1 327
Production	934

Maize (total)

Number of holdings reporting	4 228
Area	145 224
Production	285 725

Hybrid maize

Area	(125 702)
Production	(264 887)

Other maize

Area	(19 522)
Production	(20 838)

Winter barley

Area	522
Production	1 048

Edible dry beans

Area	1 878
Production	699

Potatoes

Area	2 303
Production	20 629

Sweet potatoes

Area	154
Production	544

Onions

Area	121
Production	1 219

Sugarcane

Area	3 735
Production	258 093

Cotton

Area	813
Production sold (unginned)	778

Groundnuts (peanuts)

Area	2 347
Production (unshelled)	1 280

Sunn hemp seed

Area	1 218
Production	299

Castor beans

Area	259
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Sunflower seed

Area	2 173
Production	1 038

Tobacco (total)

Area	80 799
Production (sold)	94 465

Virginia flue cured

Number of holdings reporting	2 739
Area	(79 771)
Production (sold)	(93 893)

Turkish

Area	(1 028)
Production (sold)	(572)

Fodder crops

Area	91 089
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Vegetables

Area	2 404
------------	-------

Velvet beans for seed

Area	1 040
Production	508

Cowpeas for seed

Area	1 603
Production	544

Green manure crops

Area	34 572
------------	--------

Other crops on arable land

Area	2 420
------------	-------

Permanent crops

Fruit trees

Number of trees	1 359 000
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Tea

Area (total)	1 441
Under trees of productive age	(1 267)
Under trees of nonproductive age	(174)
Production	996

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Number of horses	6 775
Number of mules	1 016
Number of asses	2 320

Cattle

Total number of cattle	1 552 097
Calves	257 114
Cows	575 677
Used primarily for milk production	(37 951)
Other cows	(537 726)
Heifers in calf	10 345
Other heifers	241 482
Bulls	25 866
Oxen	441 613
Used as draft animals	(18 527)
Others	(423 086)

SOUTHERN RHODESIA

European holdings

Not classified by size of holding

Area: in hectares
Production: in metric tons
(unless otherwise specified)

Sheep		6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES	
Number of sheep.....	188 116	Use and source of power on the holding	
Goats		Number of holdings reporting source of electric power:	
Number of goats.....	21 675	From a generating authority.....	2 391
Pigs		Produced on a holding.....	838
Number of pigs.....	61 555	Both from a generating authority and produced on a holding.....	22
Poultry		Tractors in use	
Number of fowls.....	696 701	Number.....	12 115
4 - EMPLOYMENT IN AGRICULTURE		7 - IRRIGATION AND DRAINAGE	
Males employed in agricultural work on the holding		Land actually irrigated	
All persons.....	217 603	Area.....	18 134
Non-Africans.....	(8 632)	8 - FERTILIZERS AND SOIL DRESSINGS	
Africans.....	(208 971)	Application of fertilizers	
		Amount applied (metric tons).....	120 111

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

SOUTHERN RHODESIA

European holdings

Classified by size of holding

	All sizes of holdings	10.1 and under 20.6 ha	20.6 and under 40.9 ha	40.9 and under 101.6 ha	101.6 and under 202.7 ha	202.7 and under 405.1 ha	405.1 and under 1012 ha	1012 and under 2024 ha	2024 ha and over
		25 and under 51 acres	51 and under 101 acres	101 and under 251 acres	251 and under 501 acres	501 and under 1001 acres	1001 and under 2501 acres	2501 and under 5001 acres	5001 acres and over
0 - HOLDER, HOLDING AND TENURE									
Number and area of holdings									
Number	7 064	169	333	564	462	572	1 841	1 723	1 400
Percentage distribution	100.0	2.4	4.7	8.0	6.5	8.1	26.1	24.4	19.8
Area	13 955 057	2 598	11 508	38 331	66 749	181 274	1 296 141	2 408 338	9 950 118
Percentage distribution	100.0	—	0.1	0.3	0.5	1.3	9.3	17.2	71.3

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

SOUTHERN RHODESIA European holdings

	1950 ¹	1960 ²		1950 ¹	1960 ²
0 - HOLDER, HOLDING AND TENURE			Permanent crops		
Number and area of holdings			Tea		
Number	5 054	7 064	Area	650	1 441
Area	11 568 631	13 955 057	Production	381	996
2 - CROPS - AREA AND PRODUCTION			3 - LIVESTOCK AND POULTRY		
Crops on arable land			Cattle		
Maize			Number of cattle	1 148 712	1 552 097
Number of holdings reporting ..	3 841	4 228	Sheep		
Area	137 970	145 224	Number of sheep	105 266	188 116
Production	165 342	285 725	Goats		
Edible dry beans			Number of goats	15 157	21 675
Area	2 798	1 878	Pigs		
Production	1 007	699	Number of pigs	43 258	61 555
Potatoes			6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
Area	1 670	2 303	Selected agricultural equipment on the holding		
Production	12 276	20 629	Tractors		
Groundnuts (peanuts)			Number	4 484	12 115 ⁴
Area	2 237	2 347			
Production (unshelled)	1 680	1 280			
Tobacco					
Area	62 841	80 799			
Production (sold)	48 542 ³	94 465			

¹ Includes holdings under 10 acres (4 ha). ² Includes holdings of 25 acres (10 ha) and over. ³ Net weight. ⁴ In use.

Date of the census and time reference

The census enumeration started in November 1959 and was completed in the same month.

All information, except data on land utilization and crops, refers to the date of the enumeration. Figures on land utilization and crops relate to the crop year November 1958 to October 1959.

Method of collection and processing of census data

The agricultural census was carried out on the basis of complete enumeration.

During December 1959 most of the census questionnaires had been received. After editing and coding, the questionnaires were sent to the Netherlands for mechanical tabulation which was carried out by a private firm.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

No explicit definition of a holding was given. It may be assumed, however, generally, that a holding consists of all land devoted to agricultural production under the management of a holder. In a few cases where holdings were constituted by two or more independent farm units, each of them was considered as a separate holding. The agricultural census included the following holdings:

1. All holdings located in the "area of regular occupation"¹ with an area of 0.12 ha or more of agricultural land.

¹ The area where a regularly functioning traffic system existed between the nuclei of population.

2. Of holdings with less than 0.12 ha of agricultural land, only those cultivating crops for sale or having at least 2 cows, 2 pigs or 100 chickens if most part of their livestock products (e.g., milk, meat, eggs, etc.) was destined for sale.
3. Holdings located in those regions of "sparsely populated area"² where farming was practiced regularly and on a reasonable scale provided the above-mentioned conditions (1) and (2) were fulfilled.

Main occupation of the holder was defined as that on which he spent most of his working time.

Tenure

Area owned by the holder or in ownerlike possession includes land owned by the holder and land under long-term leases.

Area rented from others includes land rented from private persons or from the Government. Area under sharecropping was also included under this category.

Area operated under other single forms of tenure includes the area taken in use from the Government or from private persons and for which use no payment was made.

1 - LAND UTILIZATION

Arable land

This includes the total area where temporary crops were planted and cultivated in the crop year 1958/59.

Land under permanent crops

This refers to the total area occupied by sugarcane, fruit trees, pineapples, bananas, plantains,

² The area where no regular traffic existed between the nuclei of population.

coffee, cocoa, coconuts and oil palms. It excludes the area of bananas or plantains cultivated as catch crops or as shade for permanent crops.

Grassland

This includes the area of fodder grasses and the area of "kudzu" which were not used as cover crops in other cultivations.

All other land

This includes the area not planted or cultivated in the past crop year (e.g., fallow land, swamp-land, bush land, etc.). Land around the house which was not cropped at all or eventually used for growing vegetables or flowers is also included under this category.

2 - CROPS

The aggregate area was reported for the crop area resulting from either successive planting or successive harvesting on the same physical area during the crop year 1958/59. In the case of mixed crops, the area was equally divided between the different crops constituting the mixture. However, if this area was less than 0.08 ha, the whole area was assigned to the most important crop. Production figures were estimated on the basis of the crop area enumerated and an estimation of the yield. For small holdings the yield estimates were supplied by the Extension Officers. In the case of large holdings, they were obtained from the holders.

3 - LIVESTOCK AND POULTRY

Data on livestock and poultry refer to the number of animals owned by the holder or by other persons living on the holding.

4 - EMPLOYMENT IN AGRICULTURE

Data refer to persons 15 years of age and over working on the holding, including the holder, members of the holder's household, and persons permanently working for pay on the holding.

5 - FARM POPULATION

Data refer to persons of all ages living on the holding at the date of the enumeration.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Information refers to the agricultural machinery in use on the holding at the time of the enumeration. Machines being repaired at the time of the enumeration were included if they were intended to be used again.

* * *

SOURCE: Surinam. Ministerie van Landbouw, *Suriname in Cijfers No. 16, Tweede landbouwtelling Suriname, November 1959. Veeteelt en Visserij in samenwerking met het Algemeen Bureau voor de Statistiek*. Paramaribo.

NOTE: All information available from the National Report has been included in the table "Classified by size of holding." A separate table: "Not classified by size of holding" has been, therefore, omitted.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 1 ha ¹	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
0 - HOLDER, HOLDING AND TENURE							
Number and area of holdings							
Number.....	16 239	3 205	4 431	2 557	1 861	1 131	1 925
Percentage distribution	100.0	19.7	27.3	15.7	11.5	7.0	11.9
Area.....	105 832	1 810	6 133	5 933	6 158	4 861	12 939
Percentage distribution	100.0	1.7	5.8	5.6	5.8	4.6	12.2
Fragmentation							
Number of parcels in the holdings reporting.....	27 065	3 806	5 974	4 157	3 310	2 245	4 575
Average number of parcels per holding.....	1.7	1.2	1.3	1.6	1.8	2.0	2.4
Number of holdings consisting of:							
1 parcel.....	9 341	2 641	3 127	1 359	888	435	528
2-3 parcels	5 968	552	1 279	1 123	863	603	1 056
4-5 parcels	759	4	23	73	101	87	299
6-9 parcels	154	—	1	2	9	6	40
10 parcels and over	9	—	1	—	—	—	2
Age of the holder							
Number of holders							
Under 35 years of age	4 272	875	1 269	683	484	315	442
35-44 years of age	3 501	505	781	551	475	271	588
45-54 years of age	3 384	614	869	507	411	252	445
55-64 years of age	3 044	720	876	487	299	177	282
65 years of age and over	2 038	491	636	329	192	116	168
Main occupation of the holder							
Number of holders with agricultural main occupation.....	12 439	2 109	3 339	2 020	1 456	937	1 628
Number of holders with nonagricultural main occupation	3 800	1 096	1 092	537	405	194	297
Legal status of the holder							
Holdings operated by:							
Civil persons							
Number.....	16 154	3 200	4 425	2 554	1 857	1 130	1 917
Area.....	71 248	1 807	6 125	5 926	6 145	4 856	12 880
Corporations							
Number.....	19	—	—	—	—	—	—
Area.....	20 511	—	—	—	—	—	—
Government							
Number.....	23	2	2	1	2	1	4
Area.....	3 309	1	3	2	7	5	27
Others							
Number.....	43	3	4	2	2	—	4
Area.....	10 764	2	5	4	7	—	31
Number and area of holdings, by tenure							
Holdings operated under one form of tenure							
Holdings owned by the holder or in ownerlike possession							
Number.....	2 959	315	588	455	308	292	517
Area.....	47 878	162	801	1 074	1 012	1 241	3 434
Holdings rented from others							
Number.....	8 478	2 003	2 981	1 491	1 065	436	415
Area.....	19 495	1 213	4 185	3 393	3 480	1 877	2 759
Holdings operated under other single forms of tenure							
Number.....	1 723	724	435	157	112	87	166
Area.....	3 677	325	527	351	375	359	1 052
Holdings operated under more than one form of tenure							
Number.....	3 071	155	427	454	376	316	827
Area.....	34 782	111	620	1 115	1 292	1 384	5 693
Area in holdings, by tenure							
Area owned by the holder or in ownerlike possession	69 064	180	902	1 340	1 394	1 804	5 849
Area rented from others.....	30 162	1 285	4 597	4 083	4 231	2 495	5 203
Area operated under other forms of tenure	6 606	345	634	509	534	562	1 887

¹ Including data for 8 holdings without land.

SURINAM

Classified by size of holding

TOTAL AREA OF HOLDING

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 ha and over	
							0 - HOLDER, HOLDING AND TENURE
							Number and area of holdings
729	261	53	26	30	22	8	Number
4.5	1.6	0.3	0.2	0.2	0.1	—	Percentage distribution
9 105	7 325	3 518	3 478	10 918	14 277	19 377	Area
8.6	6.9	3.3	3.3	10.3	13.6	18.3	Percentage distribution
							Fragmentation
1 999	605	158	57	97	64	18	Number of parcels in the holdings reporting
2.7	2.3	3.0	2.2	3.2	2.9	2.3	Average number of parcels per holding
							Number of holdings consisting of:
221	84	18	10	14	13	3	1 parcel
310	135	22	14	5	2	4	2-3 parcels
128	31	7	—	4	2	—	4-5 parcels
67	11	4	2	6	5	1	6-9 parcels
3	—	2	—	1	—	—	10 parcels and over
							Age of the holder
							Number of holders
123	53	10	1	10	7	—	Under 35 years of age
227	70	15	9	5	4	—	35-44 years of age
193	60	13	5	5	5	5	45-54 years of age
126	46	8	8	8	5	2	55-64 years of age
60	32	7	3	2	1	1	65 years of age and over
							Main occupation of the holder
633	214	39	18	21	18	7	Number of holders with agricultural main occupation
96	47	14	8	9	4	1	Number of holders with nonagricultural main occupation
							Legal status of the holder
							Holdings operated by:
							Civil persons
721	256	48	21	19	5	1	Number
9 013	7 157	3 128	2 766	6 458	3 285	1 702	Area
—	—	—	3	2	9	5	Corporations
—	—	—	440	933	6 231	12 907	Number
							Area
3	2	2	2	—	1	1	Government
32	84	158	272	—	500	2 218	Number
							Area
5	3	3	—	9	7	1	Others
61	83	233	—	3 527	4 261	2 550	Number
							Area
							Number and area of holdings, by tenure
							Holdings operated under one form of tenure
							Holdings owned by the holder or in ownerlike possession
271	119	35	13	23	18	5	Number
3 296	3 298	2 354	1 825	7 978	11 587	9 816	Area
67	17	1	—	1	1	—	Holdings rented from others
830	498	50	—	450	760	—	Number
							Area
35	5	2	—	—	—	—	Holdings operated under other single forms of tenure
395	151	142	—	—	—	—	Number
							Area
356	120	15	13	6	3	3	Holdings operated under more than one form of tenure
4 584	3 378	972	1 653	2 489	1 930	9 561	Number
							Area
							Area in holdings, by tenure
5 746	5 542	3 073	3 348	10 465	12 734	16 687	Area owned by the holder or in ownerlike possession
2 610	1 400	208	127	450	783	2 690	Area rented from others
750	381	238	3	3	760	—	Area operated under other forms of tenure

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 1 ha ¹	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
1 - LAND UTILIZATION							
Utilization of land in holdings							
Arable land ²							
Number of holdings reporting	15 049	2 893	4 190	2 408	1 673	1 057	1 814
Area.....	28 543	1 049	3 360	2 820	2 657	2 226	5 325
Land under permanent crops ³							
Area.....	9 344	184	517	490	477	335	854
Grassland							
Number of holdings reporting	2 280	139	412	304	358	211	493
Area.....	5 722	20	115	148	264	217	939
All other land							
Area.....	62 223	558	2 140	2 475	2 761	2 083	5 822
2 - CROPS - AREA AND PRODUCTION							
Crops on arable land							
Rice							
Number of holdings reporting	13 800	2 559	3 911	2 218	1 457	981	1 726
Area.....	28 547	928	3 074	2 560	2 463	2 104	5 109
Production	78 693	...	...	...	...	...	...
Maize							
Number of holdings reporting	1 296	84	251	265	228	108	186
Area.....	610	10	54	74	80	58	108
Production	1 032	...	...	...	...	...	...
Soybeans							
Number of holdings reporting	545	54	211	177	43	22	24
Area.....	142	5	30	29	11	3	6
Production	101	...	...	...	...	...	...
Other pulses							
Number of holdings reporting	1 050	75	193	157	137	75	213
Area.....	303	6	26	30	25	15	51
Production	175	...	...	...	...	...	...
Manioc (cassava)							
Number of holdings reporting	2 333	513	731	378	329	135	147
Area.....	290	42	94	57	49	17	16
Production	2 332	...	...	...	...	...	...
Sweet potatoes							
Number of holdings reporting	407	73	123	64	53	33	36
Area.....	35	4	8	4	6	4	3
Production	335	...	...	...	...	...	...
Other tuber and root crops							
Number of holdings reporting	244	37	82	35	41	18	19
Area.....	23	3	6	3	3	3	2
Production	107	...	...	...	...	...	...
Sugarcane							
Number of holdings reporting	118	16	25	25	15	9	17
Total area	1 421	1	3	3	1	1	1
Area harvested	1 325	1	3	2	1	...	1
Production	128 151	...	...	...	...	...	...
Groundnuts (peanuts)							
Number of holdings reporting	934	133	284	268	106	48	57
Area.....	328	27	74	104	35	22	33
Production	325	...	...	...	...	...	...
Cabbage							
Number of holdings reporting	423	30	66	59	49	35	95
Area.....	60	3	6	7	6	4	12
Production	389	...	...	...	...	...	...

¹ Including data for 8 holdings without land. ² Excluding sugarcane. ³ Including sugarcane.

SURINAM

TOTAL AREA OF HOLDING

Classified by size of holding

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 ha and over	
							1 - LAND UTILIZATION
							Utilization of land in holdings
							Arable land ²
676 2 960	240 1 023	45 383	19 80	21 3 079	12 3 398	1 183	Number of holdings reporting Area
620	269	120	568	447	1 568	2 895	Land under permanent crops ³ Area
							Grassland
206 748	98 752	29 501	10 106	12 813	7 993	1 106	Number of holdings reporting Area
4 777	5 279	2 514	2 725	6 579	8 317	16 193	All other land Area
							2 - CROPS - AREA AND PRODUCTION
							Crops on arable land
							Rice
654 2 787 ...	214 923 ...	40 279 ...	13 52 ...	15 3 608 ...	11 4 477 ...	1 183 ...	Number of holdings reporting Area Production
							Maize
112 117 ...	41 66 ...	7 3 ...	7 13 ...	4 5 ...	3 22 ...	— — ...	Number of holdings reporting Area Production
							Soybeans
9 2 ...	1 1 ...	4 55 ...	— — ...	— — ...	— — ...	— — ...	Number of holdings reporting Area Production
							Other pulses
144 57 ...	37 18 ...	13 70 ...	3 3 ...	1 1 ...	2 1 ...	— — ...	Number of holdings reporting Area Production
							Manioc (cassava)
51 7 ...	36 6 ...	2 1 ...	9 1 ...	2 — ...	— — ...	— — ...	Number of holdings reporting Area Production
							Sweet potatoes
11 2 ...	8 1 ...	1 1 ...	2 1 ...	3 1 ...	— — ...	— — ...	Number of holdings reporting Area Production
							Other tuber and root crops
5 3 ...	5 — ...	— — ...	2 — ...	— — ...	— — ...	— — ...	Number of holdings reporting Area Production
							Sugarcane
6 — ...	3 — ...	— — ...	— — ...	— — ...	— — ...	2 1 411 1 317 ...	Number of holdings reporting Total area Area harvested Production
							Groundnuts (peanuts)
28 21 ...	6 2 ...	4 10 ...	— — ...	— — ...	— — ...	— — ...	Number of holdings reporting Area Production
							Cabbage
40 8 ...	36 10 ...	8 2 ...	3 1 ...	1 1 ...	1 — ...	— — ...	Number of holdings reporting Area Production

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 1 ha ¹	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
Tomatoes							
Number of holdings reporting	418	43	62	57	42	43	81
Area	102	4	10	7	7	10	27
Production	519	...	...	...	...	...	...
Other vegetables							
Number of holdings reporting	2 273	421	518	317	276	188	315
Area	444	55	65	47	44	30	78
Production	1 648	...	...	...	...	...	...
Permanent crops							
Oranges							
Number of holdings reporting	2 758	289	599	481	381	233	415
Area (total)	1 159	32	101	78	98	56	123
Under trees of productive age	(1 040)	(26)	(80)	(65)	(79)	(48)	(101)
Under trees of nonproductive age	(119)	(6)	(21)	(13)	(19)	(8)	(22)
Number of fruit (in thousands)	58 502	...	...	...	...	...	...
Grapefruit							
Number of holdings reporting	157	11	23	8	15	13	25
Area (total)	346	1	2	1	1	2	13
Under trees of productive age	(291)	(1)	(1)	(1)	(1)	(2)	(11)
Under trees of nonproductive age	(55)	(—)	(1)	(—)	(—)	(—)	(2)
Number of fruit (in thousands)	15 167	...	...	...	...	...	...
Other citrus fruit trees							
Number of holdings reporting	558	53	124	89	101	38	75
Area (total)	137	4	13	10	16	9	19
Under trees of productive age	(113)	(3)	(9)	(8)	(14)	(8)	(15)
Under trees of nonproductive age	(24)	(1)	(4)	(2)	(2)	(1)	(4)
Number of fruit (in thousands)	4 083	...	...	...	...	...	...
Bananas							
Number of holdings reporting ⁴	2 803	494	876	529	318	145	261
Crop area ⁵	634	34	85	65	48	37	88
Area harvested ⁵	351	26	61	48	27	20	61
Number of bunches	316 000	...	...	...	...	...	...
Plantains							
Number of holdings reporting ⁶	3 120	536	814	514	340	207	393
Crop area ⁷	692	44	90	92	74	56	136
Area harvested ⁷	410	28	54	51	38	27	77
Number of bunches	375 000	...	...	...	...	...	...
Pineapples							
Number of holdings reporting	146	16	26	26	34	11	16
Area (total)	10	2	1	2	2	1	1
Area harvested	8	1	1	1	2	1	1
Production	66	...	...	...	...	...	...
Coffee							
Number of holdings reporting	913	32	219	206	249	83	78
Area (total)	1 880	3	33	36	39	20	28
Under trees of productive age	(1 439)	(3)	(26)	(28)	(32)	(17)	(25)
Under trees of nonproductive age	(441)	(—)	(7)	(8)	(7)	(3)	(3)
Production	500	...	...	...	...	...	...
Cocoa							
Number of holdings reporting	751	22	99	91	91	62	175
Area (total)	1 533	2	18	23	16	21	115
Under trees of productive age	(896)	(2)	(15)	(19)	(10)	(15)	(92)
Under trees of nonproductive age	(637)	(—)	(3)	(4)	(6)	(6)	(23)
Production	245	...	...	...	...	...	...

¹ Including data for 8 holdings without land. ⁴ Excluding holdings reporting bananas cultivated only as associated crop. ⁵ Including area bananas grown alone as well as in association. ⁶ Excluding holdings reporting plantains only as associated crop. ⁷ Including area of plantains grown alone as well as in association.

SURINAM

TOTAL AREA OF HOLDING

Classified by size of holding

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 ha and over	
							Tomatoes
37	32	12	4	3	2	—	Number of holdings reporting
14	9	6	2	2	4	—	Area
...	...	...	...	...	...	...	Production
							Other vegetables
126	75	23	8	5	1	—	Number of holdings reporting
54	36	22	7	4	2	—	Area
...	...	...	...	...	...	...	Production
							Permanent crops
							Oranges
207	87	25	13	15	10	3	Number of holdings reporting
82	50	50	129	119	207	34	Area (total)
(64)	(44)	(46)	(129)	(119)	(207)	(32)	Under trees of productive age
(18)	(6)	(4)	(—)	(—)	(—)	(2)	Under trees of nonproductive age
...	...	...	...	...	...	...	Number of fruit (in thousands)
							Grapefruit
16	9	7	9	9	8	4	Number of holdings reporting
5	3	11	124	35	103	45	Area (total)
(5)	(3)	(11)	(101)	(31)	(79)	(44)	Under trees of productive age
(—)	(—)	(—)	(23)	(4)	(24)	(1)	Under trees of nonproductive age
...	...	...	...	...	...	...	Number of fruit (in thousands)
							Other citrus fruit trees
48	12	8	4	1	3	2	Number of holdings reporting
16	2	6	26	—	12	4	Area (total)
(13)	(2)	(4)	(26)	(—)	(11)	(—)	Under trees of productive age
(3)	(—)	(2)	(—)	(—)	(1)	(4)	Under trees of nonproductive age
...	...	...	...	...	...	...	Number of fruit (in thousands)
							Bananas
123	33	7	6	3	4	4	Number of holdings reporting ¹
76	17	13	28	1	54	88	Crop area ⁵
51	12	5	18	1	18	3	Area harvested ⁵
...	...	...	...	...	...	...	Number of bunches
							Plantains
199	78	16	11	10	1	1	Number of holdings reporting ⁶
96	38	8	20	23	13	2	Crop area ⁷
67	24	4	19	10	11	—	Area harvested ⁷
...	...	...	...	...	...	...	Number of bunches
							Pineapples
10	6	—	1	—	—	—	Number of holdings reporting
1	—	—	—	—	—	—	Area (total)
1	—	—	—	—	—	—	Area harvested
...	...	...	...	...	...	...	Production
							Coffee
21	5	—	2	6	9	3	Number of holdings reporting
11	1	—	112	217	867	513	Area (total)
(9)	(1)	(—)	(99)	(164)	(642)	393)	Under trees of productive age
(2)	(—)	(—)	(13)	(53)	(225)	(120)	Under trees of nonproductive age
...	...	...	...	...	...	...	Production
							Cocoa
129	51	7	9	5	7	3	Number of holdings reporting
138	73	21	94	30	203	779	Area (total)
(107)	(60)	(8)	(58)	(22)	(127)	(361)	Under trees of productive age
(31)	(13)	(13)	(36)	(8)	(76)	(418)	Under trees of nonproductive age
...	...	...	...	...	...	...	Production

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION B'

	All sizes of holdings	Under 1 ha ¹	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
Coconuts							
Number of holdings reporting	6 011	461	1 367	1 092	932	543	988
Area (total)	1 631	62	181	193	186	141	346
Under trees of productive age	(1 227)	(54)	(136)	(133)	(119)	(108)	(267)
Under trees of nonproductive age	(404)	(8)	(45)	(60)	(67)	(33)	(79)
Number of fruit (in thousands)	5 958	...	...	...	...	...	...
Oil palms							
Number of holdings reporting	47	1	1	2	6	1	20
Area (total)	67	—	—	—	2	—	18
Under trees of productive age	(44)	(—)	(—)	(—)	(1)	(—)	(14)
Under trees of nonproductive age	(23)	(—)	(—)	(—)	(1)	(—)	(4)
3 - LIVESTOCK AND POULTRY							
Horses and asses							
Number of holdings reporting	790	100	112	86	91	79	169
Number of horses and asses	977	107	125	99	102	93	202
Cattle							
Number of holdings reporting ⁸	7 725	962	1 767	1 180	1 027	684	1 343
Total number of cattle	35 088	2 389	5 252	4 182	3 991	3 002	7 441
Male	12 070	812	1 861	1 540	1 600	1 138	2 725
Bulls and oxen	(5 424)	(261)	(770)	(705)	(806)	(570)	(1 340)
Young cattle	(6 646)	(551)	(1 091)	(835)	(794)	(568)	(1 385)
Female	23 018	1 577	3 391	2 642	2 391	1 864	4 716
Cows	(14 443)	(1 013)	(2 145)	(1 705)	(1 516)	(1 168)	(2 972)
Young cattle	(8 575)	(564)	(1 246)	(937)	(875)	(696)	(1 744)
Buffaloes							
Number of buffaloes	198	3	24	12	13	10	23
Sheep, goats, pigs							
Number of holdings reporting	4 006	486	783	606	448	376	817
Number of sheep	3 169	130	366	367	365	386	743
Number of goats	11 101	1 286	1 911	1 524	1 142	987	2 396
Number of pigs	6 003	876	788	587	536	495	1 083
Poultry							
Number of holdings reporting	13 045	2 289	3 480	2 118	1 543	940	1 696
Number of chickens	260 862	27 068	51 605	40 007	33 738	22 226	40 850
Number of other poultry	29 103	2 991	6 743	3 912	3 523	2 844	5 274
Bees							
Number of holdings reporting	53	4	7	7	7	5	10
Number of beehives	1 289	12	65	502	45	94	240
4 - EMPLOYMENT IN AGRICULTURE							
Persons employed in agricultural work on the holding							
All persons	38 976	5 034	8 655	5 648	4 462	3 016	5 810
Holders and members of their households ..	36 185	5 000	8 599	5 599	4 413	2 990	5 727
Males 15 years of age and over	(15 435)	(1 517)	(3 455)	(2 421)	(1 987)	(1 376)	(2 762)
Females 15 years of age and over	(20 750)	(3 483)	(5 144)	(3 178)	(2 426)	(1 614)	(2 965)
Persons permanently working for pay on the holding	2 791	34	56	49	49	26	83
Males 15 years of age and over	(2 187)	(26)	(39)	(37)	(39)	(16)	(58)
Females 15 years of age and over	(604)	(8)	(17)	(12)	(10)	(10)	(25)
5 - FARM POPULATION							
Holders and members of the holder's household							
Male	93 044	14 068	21 355	13 728	11 229	7 772	15 115
Female	(47 615)	(7 108)	(10 996)	(6 887)	(5 752)	(3 979)	(7 817)
	(45 429)	(6 960)	(10 359)	(6 841)	(5 477)	(3 793)	(7 298)

¹ Including data for 8 holdings without land. ⁸ Holdings reporting cattle and/or buffaloes.

SURINAM

Classified by size of holding

TOTAL AREA OF HOLDING

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 ha and over	
							Coconuts
425	139	32	17	11	3	1	Number of holdings reporting
202	96	14	54	22	123	11	Area (total)
(160)	(62)	(9)	(40)	(16)	(123)	(—)	Under trees of productive age
(42)	(34)	(5)	(14)	(6)	(—)	(11)	Under trees of nonproductive age
...	...	...	...	...	...	...	Number of fruit (in thousands)
							Oil palms
14	—	—	1	—	—	1	Number of holdings reporting
30	—	—	7	—	—	10	Area (total)
(22)	(—)	(—)	(7)	(—)	(—)	(—)	Under trees of productive age
(8)	(—)	(—)	(—)	(—)	(—)	(10)	Under trees of nonproductive age
							3 - LIVESTOCK AND POULTRY
							Horses and asses
79	51	11	3	4	4	1	Number of holdings reporting
101	88	31	6	11	10	2	Number of horses and asses
							Cattle
492	189	39	14	16	8	4	Number of holdings reporting ^a
3 755	2 235	1 391	252	497	453	248	Total number of cattle
1 170	531	285	46	115	126	121	Male
(534)	(205)	(104)	(21)	(28)	(27)	(53)	Bulls and oxen
(636)	(326)	(181)	(25)	(87)	(99)	(68)	Young cattle
2 585	1 704	1 106	206	382	327	127	Female
(1 618)	(1 071)	(613)	(135)	(230)	(176)	(81)	Cows
(967)	(633)	(493)	(71)	(152)	(151)	(46)	Young cattle
							Buffaloes
9	2	60	25	—	17	—	Number of buffaloes
							Sheep, goats, pigs
349	102	21	5	9	4	—	Number of holdings reporting
375	206	62	—	13	156	—	Number of sheep
1 221	392	60	24	40	118	—	Number of goats
638	198	427	172	158	45	—	Number of pigs
							Poultry
662	223	39	16	24	13	2	Number of holdings reporting
26 102	6 666	4 967	585	6 378	646	24	Number of chickens
2 425	872	192	83	143	91	10	Number of other poultry
							Bees
7	4	—	1	—	1	—	Number of holdings reporting
176	34	—	1	—	120	—	Number of beehives
							4 - EMPLOYMENT IN AGRICULTURE
							Persons employed in agricultural work on the holding
2 638	1 032	453	271	327	699	931	All persons
2 546	929	192	60	70	46	14	Holders and members of their households
(1 254)	(474)	(95)	(29)	(33)	(24)	(8)	Males 15 years of age and over
(1 292)	(455)	(97)	(31)	(37)	(22)	(6)	Females 15 years of age and over
92	103	261	211	257	653	917	Persons permanently working for pay on the holding
(78)	(89)	(241)	(171)	(209)	(505)	(679)	Males 15 years of age and over
(14)	(14)	(20)	(40)	(48)	(148)	(238)	Females 15 years of age and over
							5 - FARM POPULATION
6 575	2 312	401	172	177	117	23	Holders and members of the holder's household
(3 395)	(1 223)	(192)	(93)	(95)	(66)	(12)	Male
(3 180)	(1 089)	(209)	(79)	(82)	(51)	(11)	Female

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Under 1 ha ¹	1 and under 2 ha	2 and under 3 ha	3 and under 4 ha	4 and under 5 ha	5 and under 10 ha
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES							
Selected agricultural equipment on the holding							
Tractors							
Number of holdings reporting	483	5	14	23	33	47	151
Number of tractors (total)	622	6	15	23	34	50	154
Wheel tractors (2-axle only)	468	4	14	21	33	42	137
Less than 11 hp	(19)	(1)	(—)	(—)	(—)	(4)	(5)
11 hp and less than 25	(151)	(2)	(6)	(8)	(15)	(14)	(61)
25 hp and less than 35	(211)	(1)	(7)	(7)	(12)	(21)	(50)
35 hp and over	(87)	(—)	(1)	(6)	(6)	(3)	(21)
Track-laying tractors	98	2	(—)	(—)	(—)	3	4
Less than 11 hp	(8)	(1)	(—)	(—)	(—)	(—)	(3)
11 hp and less than 25	(2)	(—)	(—)	(—)	(—)	(—)	(—)
25 hp and less than 35	(5)	(—)	(—)	(—)	(—)	(3)	(1)
35 hp and over	(83)	(1)	(—)	(—)	(—)	(—)	(—)
Garden tractors	56	—	1	2	1	5	13
Plows and harrows (tractor-operated)	789	7	28	50	56	67	205
Plows (animal-operated)	1 472	19	198	208	266	199	421
Sprayers	223	—	1	1	—	2	4
Hand-operated	(110)	(—)	(1)	(1)	(—)	(2)	(4)
Motor-operated	(113)	(—)	(—)	(—)	(—)	(—)	(—)
Dusters	81	—	—	—	1	1	4
Hand-operated	(60)	(—)	(—)	(—)	(1)	(1)	(3)
Motor-operated	(21)	(—)	(—)	(—)	(—)	(—)	(1)
Mowers	45	1	—	—	—	1	11
Combines (harvester-threshers)	62	1	—	—	—	—	3
Tractor-operated	(9)	(1)	(—)	(—)	(—)	(—)	(3)
Self-propelled	(53)	(—)	(—)	(—)	(—)	(—)	(—)
Threshers	72	5	2	3	2	2	15
Carts and wagons	1 594	115	193	196	170	156	345
Jeeps	42	—	—	1	2	2	4
Trucks	121	4	10	10	3	7	21
Cars	136	8	14	14	13	13	26
Boats	1 100	38	140	122	62	54	151
Means used to transport products from holdings to first place of sale							
Number of holdings reporting transport mainly:							
On foot	365	145	129	41	21	12	12
In carts	797	96	153	120	98	79	162
By bicycle	526	147	145	80	63	33	36
By car	933	65	180	167	123	73	168
By truck	724	38	131	84	110	65	148
By boat	1 529	100	422	286	184	113	207
8 - FERTILIZERS AND SOIL DRESSINGS							
Application of fertilizers							
Number of holdings reporting use of:							
Manure only	2 432	366	583	375	394	218	356
Inorganic fertilizers only	463	43	70	44	63	46	81
Manure and inorganic fertilizers	835	127	139	111	101	73	139

¹ Including data for 8 holdings without land.

SURINAM

TOTAL AREA OF HOLDING

Classified by size of holding

10 and under 20 ha	20 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 ha and over	
							6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES
							Selected agricultural equipment on the holding
							Tractors
113	44	17	7	11	15	3	Number of holdings reporting
124	49	31	9	44	60	23	Number of tractors (total)
106	44	23	4	11	17	12	Wheel tractors (2-axle only)
(5)	(3)	(—)	(—)	(—)	(—)	(1)	Less than 11 hp
(24)	(11)	(4)	(—)	(1)	(4)	(1)	11 hp and less than 25
(56)	(18)	(9)	(4)	(7)	(10)	(9)	25 hp and less than 35
(21)	(12)	(10)	(—)	(3)	(3)	(1)	35 hp and over
7	2	1	—	33	36	10	Track-laying tractors
(3)	(—)	(—)	(—)	(—)	(1)	(—)	Less than 11 hp
(—)	(—)	(—)	(—)	(—)	(1)	(1)	11 hp and less than 25
(—)	(1)	(—)	(—)	(—)	(—)	(—)	25 hp and less than 35
(4)	(1)	(1)	(—)	(33)	(34)	(9)	35 hp and over
11	3	7	5	—	7	1	Garden tractors
156	51	37	4	41	58	29	Plows and harrows (tractor-operated)
129	29	2	—	—	1	—	Plows (animal-operated)
13	13	20	19	29	53	68	Sprayers
(12)	(12)	(11)	(4)	(14)	(25)	(24)	Hand-operated
(1)	(1)	(9)	(15)	(15)	(28)	(44)	Motor-operated
4	6	8	3	15	21	18	Dusters
(3)	(5)	(5)	(3)	(9)	(14)	(16)	Hand-operated
(1)	(1)	(3)	(—)	(6)	(7)	(2)	Motor-operated
12	9	4	1	—	3	3	Mowers
1	1	2	—	23	30	1	Combines (harvester-threshers)
(—)	(1)	(2)	(—)	(—)	(2)	(—)	Tractor-operated
(1)	(—)	(—)	(—)	(23)	(28)	(1)	Self-propelled
27	9	3	1	2	1	—	Threshers
174	75	39	9	41	72	9	Carts and wagons
4	2	4	3	5	10	5	Jeeps
26	15	10	5	3	6	1	Trucks
22	11	6	3	2	3	1	Cars
143	66	23	18	43	66	174	Boats
							Means used to transport products from holdings to first place of sale
							Number of holdings reporting transport mainly:
5	—	—	—	—	—	—	On foot
68	16	5	—	—	—	—	In carts
14	7	1	—	—	—	—	By bicycle
99	43	10	2	3	—	—	By car
69	54	10	8	3	3	1	By truck
116	46	9	6	19	14	7	By boat
							8 - FERTILIZERS AND SOIL DRESSINGS
							Application of fertilizers
							Number of holdings reporting use of:
97	33	7	1	1	1	—	Manure only
47	20	6	6	16	14	7	Inorganic fertilizers only
60	55	17	4	5	3	1	Manure and inorganic fertilizers

TANGANYIKA

Large-scale commercial holdings

Date of the census and time reference

The census was taken on 31 October 1960.

For crops on arable land, excluding sugarcane, and for cinchona, data refer to the area planted in 1960. Data on permanent crops (excluding cinchona), and on sugarcane, livestock and poultry, employment and agricultural equipment, refer to 31 October 1960.

Method of collection and processing of census data

The agricultural census covered only large-scale commercial farming, i.e., holdings held under rights of occupancy, freehold or other rights if operated on a large-scale basis.

The information was collected on questionnaires by mail. Agricultural and veterinary officers were sent notes on the completion of the questionnaires in case they were asked to assist holders.

The 906 returns obtained represented 81 percent of the total questionnaires sent out. Data regarding five farming settlement schemes run by the Tanganyika Agricultural Corporation were included in five returns, but they actually referred to 326 holdings. In addition, one combined return was received for 15 production farms run by the Tanganyika Agricultural Corporation.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holding

An agricultural holding was defined as land devoted to agricultural production "occupied under rights of occupancy or freehold." Although this definition formally restricted the inclusion of holdings under other rights, these

were nevertheless included provided they carried out extensive types of cultivation. Joint holdings or holdings operated on a partnership basis were considered as one holding. The total area of the holding includes also land used by African labor forces for growing crops or grazing cattle, as well as land leased out to a neighbor.

1 - LAND UTILIZATION

Arable land

This includes the area under temporary crops, land under resident laborer cultivation and fallow land. It also includes land under unspecified crops.

Land under permanent crops

This includes the area with tree crops, such as coffee, wattle, kapok, rubber, etc.

Permanent meadows and pastures

This includes the area with natural pastures used for grazing purposes.

All other land

This includes the area occupied by farm buildings, uncleared bush land, marshy land, roads, etc. It could be possible that some of these areas and some of the uncleared bush land were also used as grazing land.

2 - CROPS

In general, in the case of mixed cropping, the area of the whole field was assigned to the main crop. In a few cases kapok, papaya, cashew

TANGANYIKA

Large-scale commercial holdings

nuts and coconuts were either planted along the perimeter of a field or with other crops and the area was divided proportionately between the main crop and the subsidiary crop. The result of this is that the area of such crops may be slightly understated.

3 - LIVESTOCK AND POULTRY

Data refer to animals on the holding, excluding those belonging to resident African labor.

4 - EMPLOYMENT IN AGRICULTURE

Figures include owners and members of their families if they are paid workers. In the case of Africans, data include permanent and/or casual workers.

* * *

SOURCE: Kenya, East African Statistical Department, Tanganyika Unit, *Census of large scale commercial farming in Tanganyika*, Nairobi. June 1961.

TANGANYIKA
Large-scale commercial holdings
Not classified by size of holding

Area: in hectares

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	1 241 ¹
Area	975 000

1 - LAND UTILIZATION

Utilization of land in holdings (area)

Arable land ²	113 000
Land under permanent crops	286 000
Permanent meadows and pastures	248 000
Wood or forest land	86 000
All other land	242 000

2 - CROPS - AREA

Crops on arable land

Wheat	
Area	4 003
Rice	
Area	708
Millet and sorghum	
Area (total)	2 675
<i>Millet</i>	
Area	(268)
<i>Sorghum</i>	
Area	(2 407)
Maize	
Area	15 015
Barley	
Area	218
Oats	
Area	123
Soybeans	
Area	2 039
Potatoes	
Area	61
Manioc (cassava)	
Area	109
Sugarcane	
Area	7 026
Cotton	
Area	55
Groundnuts (peanuts)	
Area	1 580

Castor beans

Area	264
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Sesame

Area	418
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Sunflower

Area	1 165
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Tobacco

Area	2 675
------------	-------

Pyrethrum

Area	1 224
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Onions

Area	23
------------	----

Vegetables

Area	977
------------	-----

Beans for seed

Area	7 278
------------	-------

Crops cut for hay

Area	3 320
------------	-------

Permanent crops

Fruit trees

Area	440
------------	-----

Cashew nuts

Area	6 493
------------	-------

Papayas

Area	1 249
------------	-------

Coffee

Area	9 586
------------	-------

Cocoa

Area	409
------------	-----

Tea

Area	5 648
------------	-------

Coconuts

Area	4 553
------------	-------

Oil palms

Area	295
------------	-----

Rubber

Area	156
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Sisal

Area	241 583
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Kapok

Area	2 738
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Cinchona

Area	119
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Wattle

Area	13 246
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¹ See "Method of collection and processing of census data," page 194.
² Includes 9,380 ha of land under resident laborer cultivation, and 255 ha of unspecified crops.

TANGANYIKA
Large-scale commercial holdings
Not classified by size of holding

Area: in hectares

3 - LIVESTOCK AND POULTRY (number)

Horses, mules and asses	182
Cattle	
Total number of cattle.....	87 401
Cows in milk	(8 260)
Dry cows	(6 635)
Bulls and bull calves	(4 717)
All other cattle	(67 789)
Sheep	20 230
Goats	10 536
Pigs	3 474
Poultry	26 725

4 - EMPLOYMENT IN AGRICULTURE

Persons employed in agricultural work on the holding	
All persons	163 292

**6 - AGRICULTURAL POWER AND MACHINERY
AND GENERAL TRANSPORT FACILITIES**

Selected agricultural equipment on the holding (number)	
Tractors (total)	1 815
Wheel tractors	(1 437)
Track-laying tractors	(378)
Plows	1 168
Harrows	1 103
Sprayers and dusters	486
Reapers	194
Combines (harvester-threshers)	132
Motor transport	1 463
Locomotives	517
Trolleys	10 098

UNITED STATES OF AMERICA

Date of the census and time reference

Enumeration in the 48 conterminous United States started at dates varying from 7 October to 18 November 1959. In Hawaii, the enumeration was carried out during the months of November and December 1959, and January 1960; in Alaska, in April 1959, simultaneously with the population and housing censuses.

Data for inventory items relate to the situation at the date of the enumeration. Data for area and production relate, generally, to the crops harvested during the crop year 1959, while data for livestock products relate to the calendar year 1959.

Method of collection and processing of census data

The questionnaire for the 1959 census of agriculture was pre-tested during November 1958 in order to provide the Bureau of the Census with a measure of the effectiveness of the questions and procedures planned for the 1959 nationwide census.

The enumeration was performed by enumerators and holders. About two weeks before the start of the enumeration, census questionnaires were mailed to nearly 9,400,000 households in rural areas requesting the holders to complete the questionnaire and give it to the census enumerator when he called. However, it was the responsibility of the enumerator to obtain a questionnaire for each place which qualified as such.

While most of the information included in the census questionnaire was obtained by complete enumeration, sampling was used for the enumeration of certain items and tabulation. Sampling was not used in Alaska or Hawaii. Sample items for which data are included in this report relate to employment in agriculture, agricultural equipment and fertilizers. The sample consisted of all farms with a total area of 1,000 or more

acres or with estimated total sales of \$100,000 or more in 1959, and approximately 20 percent of all other farms.

The sample selection of holdings of less than 1,000 acres was made during enumeration. Where an enumerator determined that a questionnaire was necessary, he assigned a number to it. The numbers were consecutive, beginning with "1." Information on the sample items was collected on all questionnaires for which the assigned number ended in "2" or "7."

The table "Classified by size of holding" includes figures based only on tabulations made from an approximate 20 percent sample of the holdings. These estimates differ somewhat from the totals obtained from tabulations based on all holdings. In order to avoid any confusion in the table "Not classified by size of holding," data are presented in two columns distinguishing figures obtained from *sample* tabulation or enumeration (most of them are also included in the table "Classified by size of holding") from those based on *complete* tabulation and enumeration. In the table "Selected data from censuses of 1950 and 1959," footnote 2, denotes that the figure is based on sample tabulation or enumeration.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

A holder is a person who operates a holding, either doing the work himself or supervising it directly. He may be the owner, a member of the owner's household, a hired manager or a tenant, renter or sharecropper. If he rents land to others or has land worked on a share basis by others, he is considered as the holder only of the land he retains for his own operation. In the case of a partnership, only one partner is considered as the holder.

UNITED STATES OF AMERICA

Holding

A holding was defined as a place to include all land under control or supervision of one person or partnership at the time of enumeration and on which agricultural operations were conducted at any time in 1959. Control may have been exercised through ownership or management; or through a lease, rental, or cropping arrangement. Places of 10 or more acres in 1959 were counted as holdings if the estimated sales of agricultural products for the year amounted to at least \$50. Places of less than 10 acres in 1959 were counted as holdings if the estimated sales of agricultural products for the year amounted to at least \$250. Places where the minimum requirement of sales in 1959 was not satisfied were nevertheless counted as holdings if they could normally be expected to produce agricultural products in sufficient quantity to meet this requirement of the definition. This additional qualification resulted in the inclusion as holdings of some places that were operated for the first time in 1959, as well as places affected by crop failure or other unusual conditions. Enumerators were not given the definition of a holding. Instead, they were instructed to obtain questionnaires for all places considered holdings by their holders and for all other places that had one or more agricultural operation. The determination as to which questionnaires were to be counted as holdings according to the accepted definition was made during the processing of census questionnaires. Places operated by tenants, sharecroppers, and managers, were counted as separate holdings. All land managed by one person for two or more employers was considered to be one holding. However, if the manager managed land for others and also operated land on his own account the latter land was considered as a separate holding.

Total area of the holding. The total area of the holding was obtained by adding the area owned, the area rented from others and the area worked on a share basis for others, and subtracting the area rented to others plus that worked on a share basis by others. In the case of a managed holding the person in charge was asked the total area managed for his employer. The

area rented to others or cropped by others was subtracted from the total area managed.

Tenure

Holdings owned by the holder or in ownerlike possession include those where the holder operates the land which he and/or his wife held at the time of enumeration under title, purchase contract, homestead law, or as heir or trustee of an undivided estate.

Holdings rented from others include those where the holder rents land from others or operates it on a share basis for others. The category "rented for a fixed amount of money" consists of holdings where the tenants pay cash rent either on a per acre basis or for the holding as a whole. "Rented for a share of the produce" includes holdings where the tenants pay a share of the crops and/or a share of the livestock or livestock products. It includes also tenants called "croppers" whose landlords furnish all the work animals or tractor power; croppers usually work under the close supervision of the landlord or his agent; they may pay cash rent or share of the livestock or livestock products instead of, or in addition to, a share of the crops. The category "operated under other forms of renting" includes holdings where tenants:

- (a) pay part of the rent in cash and part in a share of the crops and/or of the livestock and livestock products;
- (b) those who do not qualify for inclusion in any of the foregoing subclassifications (e.g., operating land rent free or in return for a fixed quantity of products, payment of taxes, maintenance of buildings);
- (c) whose rental arrangement was not reported; all tenants in Alaska are included in this category.

Holdings operated under more than one form of tenure include those where the holder operates land owned by, and also land rented from, others.

Holdings operated by managers are those where managers operate land for others for remuneration. Land managed may be owned by persons on whose account it is managed, or rented, or partly owned or partly rented. Hence, the tenure form of holdings operated by managers is unknown.

UNITED STATES OF AMERICA

Area owned by the holder or in ownerlike possession includes all land that the holder and/or his wife held at the time of enumeration under title, purchase contract, homestead law, or as heir or trustee of an undivided holding, provided this land was operated by the holder.

Area rented from others includes land that the holders rented or leased from others as well as land worked on a share basis for others or occupied rent free.

Area operated by managers includes land in holdings managed by hired persons.

1 - LAND UTILIZATION

Cropland

This includes land from which crops were harvested; hay (including wild hay) was cut; and land with small fruit, orchards, vineyards, nurseries and greenhouses. Under this category is also included all land used only for pasture or grazing that could have been used for crops without additional improvement, and all land planted to crops that were pastured or grazed before reaching maturity, or on which swine were released to harvest the crop (hogged off). Cropland also includes cultivated summer fallow, land used only for soil-improvement crops, land on which crops failed, land planted to crops for harvest after the year covered by the census and land which had been plowed and could be plowed again without first clearing away the brush, but which had been idle for one or more years.

Land from which two or more crops were harvested was to be counted only once. In reporting land in his holding according to the use made of it during the census year, the holder was asked to differentiate between some classes of land for which the dividing line was not always clear and could not always be determined on a uniform basis. For instance, permanent pasture may have been included either under "Cropland" or "Permanent meadows and pastures," depending on whether the enumerator or holder considered it as cropland or not.

Permanent meadows and pastures

These include all land used for pasture or grazing except that considered as cropland or woodland.

Wood or forest land

This includes wood lots and timber tracts, natural or planted. This land may be pastured or not. Land in the Soil Bank planted to trees was included under the category "Woodland not pastured."

All other land

This refers to all land not included in any of the preceding land utilization categories. It includes land occupied by houses, buildings, lanes, roads, ditches, land area of ponds and wasteland. Unusually large tracts of "Other land," held primarily for purposes other than agriculture, were excluded from the tabulations.

2 - CROPS

In most instances the area reported for individual temporary crops represents the area harvested during 1959. The production represents the quantity harvested during the crop year 1959. The area for vegetables includes the area harvested for sale and excludes the area of small plots and gardens for home use.

Except for citrus fruit, olives, avocados, and coffee, data on the production of permanent crops relate to the 1959 crop year. For citrus fruit, production refers to the quantity harvested in 1958/59 from the bloom of 1958. For olives, it refers to the quantity harvested from the bloom of 1958. For coffee, information refers to the 1958/59 crop. For avocados, the production for California relates to the quantity harvested from the bloom of 1958 during the marketing season 1 October 1958 to 30 September 1959, and for Florida to the quantity harvested during the marketing season 1 July 1959 to 1 March 1960. For berries and other small fruit, the quantity sold and not the quantity harvested was to be reported.

3 - LIVESTOCK AND POULTRY

Under this item are included all livestock and poultry on the holding at the time of enumeration, whether owned by the holder or by others. Data for ducks, geese and guinea fowls refer only to the number sold in the calendar year 1959. Data on milk refer to the quantity sold during the year 1959.

UNITED STATES OF AMERICA

4 - EMPLOYMENT IN AGRICULTURE

Data on this item relate to persons performing agricultural work in the week before the enumeration day. As persons employed in agricultural work were considered:

- (a) holders working at least one hour during the specified week;
- (b) unpaid members of the holder's family engaged in agricultural work for 15 hours or more during the week;
- (c) persons who worked for remuneration on the holding any time during the week (hired workers). Persons working for remuneration comprise both regular workers (employed for 150 or more days during the year) and seasonal workers (employed for less than 150 days during the year).

The following was considered as agricultural work: work in fields, orchards, or home gardens, including irrigation of crops; care and feeding of livestock and poultry; transportation of products from the holding to market; transportation of feed, fertilizers and other supplies to the holding; care and cleaning of milk pails and separators; maintenance and repair of farm machinery and equipment; regular farm help used in constructing or repairing farm buildings and fences; contract farm work for which labor is hired, but for which machines and equipment are furnished by the holder; contract work done by persons supplied by a labor contractor or by co-operative organizations, such as a citrus co-operative; planning farm work; keeping farm records; supervision of hired farm employees; cutting firewood, fence posts, timber, pulpwood, etc., except by persons specifically hired for this purpose. Housework, contract construction work, custom work, and repair, installation, or construction work by persons employed specifically for such work were not considered agricultural work.

Although enumerators were instructed to include as hired workers, persons employed by a labor contractor, a co-operative organization, a processor, etc., to perform agricultural work on a holding, it happens that such workers were usually not reported as persons working for pay on holdings. Holders do not consider such work-

ers as hired farm labor, as they do not employ them directly.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data relate to the number of agricultural machines found on the holding at the time of the enumeration, whether owned by the holder or by another person.

Pick-up balers include both hand-tie and automatic balers. Motor trucks include pick-up trucks and truck-trailer combinations; jeeps and station wagons are included if they are used primarily as trucks, but school buses are excluded. Wheel tractors include also home-built tractors. Automobiles were to include jeeps and station wagons if they were used primarily as passenger vehicles. Automobiles include those kept on the holding whether owned by the holder, by hired workers, or by other persons living on the holding.

7 - IRRIGATION AND DRAINAGE

Irrigated land is land in holdings to which water was applied by artificial means during the year covered by the census.

8 - FERTILIZERS AND SOIL DRESSINGS

Data refer to the application of commercial fertilizers and liming materials during 1959.

Manure, straw, gypsum and refuse materials were not reported as fertilizers. Lime included ground limestone, hydrated and burnt lime, marl, oyster shells and other forms of lime. Lime used for spray or sanitation purposes was excluded. In the case of several applications made during the year, the total amounts of fertilizers and lime were reported, but acreage was counted only once.

9 - WOOD AND FISHERY PRODUCTS

Data refer to the quantity of forest products cut during 1959.

* * *

SOURCE: United States. Department of Commerce, Bureau of the Census. *United States census of agriculture 1959*. Volume 2, *General report, statistics by subjects*; Volume 3, *Irrigation of agricultural lands*. Washington, D.C., 1962.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
0 - HOLDER, HOLDING AND TENURE			Permanent meadows and pastures		
Number and area of holdings			Number of holdings reporting .	1 606 504	1 614 942
Number	3 707 973	3 710 503	Area	187 849 338	188 671 853
Area	454 608 633	454 661 045	Wood or forest land		
Mode of operation of holdings			Number of holdings reporting.	...	1 878 560
Holdings operated by the holder			Area (total)	66 185 576	66 450 192
Number	...	3 686 913	Wood or forest land pastured		
Area	...	410 097 951	Number of holdings reporting	1 113 675	1 099 730
Holdings operated through a hired manager			Area	(37 256 098)	(37 460 509)
Number	21 060	20 668	Wood or forest land not pastured		
Area	44 510 682	...	Number of holdings reporting	1 205 503	1 186 735
Age of the holder			Area	(28 929 478)	(28 989 683)
Total number of holders reporting	3 670 989	...	All other land		
Number of holders			Area	...	18 207 015
Under 35 years of age.....	(464 937)	(...)	2 - CROPS - AREA AND PRODUCTION		
35-44 years of age.....	(806 106)	(...)	Crops on arable land		
45-54 years of age.....	(980 018)	(...)	Wheat (total)		
55-64 years of age.....	(802 658)	(...)	Number of holdings reporting.	...	931 195
65 years of age and over	(617 270)	(...)	Area	...	20 058 743
Number and area of holdings, by tenure			Production.....	...	28 738 041
Holdings operated under one form of tenure			Winter wheat		
Holdings owned by the holder or in ownerlike possession			Number of holdings reporting	...	767 388
Number	2 116 594	2 118 783	Area	(...)	(15 301 515)
Area	140 214 781	...	Production.....	(...)	(23 584 992)
Holdings rented from others (total)			Spring wheat		
Number	735 849	759 973	Number of holdings reporting	...	163 807
Area	66 053 188	...	Area	(...)	(4 757 228)
For a fixed amount of money			Production.....	(...)	(5 153 049)
Number	107 217	...	Rye		
Area	13 752 997	...	Number of holdings reporting.	...	67 210
For a share of the produce			Area	...	563 344
Number	408 512	...	Production.....	...	553 968
Area	29 350 801	...	Rice		
Operated under other forms of renting			Number of holdings reporting.	...	10 445
Number	220 120	...	Area	...	654 383
Area	22 949 390	...	Production.....	...	2 467 735
Holdings operated under more than one form of tenure			Sorghum for grain or seed		
Number	834 470	811 079	Number of holdings reporting.	...	223 388
Area	203 829 982	...	Area	...	5 892 385
Holdings operated by managers			Production.....	...	12 907 498
Number	21 060	20 668	Proso millet		
Area	44 510 682	...	Number of holdings reporting.	...	5 008
Area in holdings, by tenure			Area	...	78 875
Area owned by the holder or in ownerlike possession	249 280 923	...	Production.....	...	78 914
Area rented from others	160 817 028	...	Maize harvested for grain		
Area operated by managers	44 510 682	...	Number of holdings reporting.	2 002 039	1 989 622
1 - LAND UTILIZATION			Area	28 433 864	28 353 888
Utilization of land in holdings			Production.....	94 676 507	93 912 348
Cropland			Barley		
Number of holdings reporting ¹	3 216 207	3 201 315	Number of holdings reporting.	...	290 238
Area	182 500 590	181 331 985	Area	...	5 746 177
			Production.....	...	8 672 040
			Oats		
			Number of holdings reporting.	...	1 026 858
			Area	...	10 753 490
			Production.....	...	14 530 858
			Buckwheat		
			Number of holdings reporting.	...	7 067
			Area	...	22 469
			Production.....	...	20 102

¹ Refers only to holdings reporting cropland harvested.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
Emmer and spelt			Sugarcane for sugar or for sale to mills		
Number of holdings reporting.	...	3 941	Number of holdings reporting.	...	3 079
Area	...	22 949	Area	...	165 273
Production.....	...	23 053	Production.....	...	15 029 984
Popcorn			Sugarcane for sirup		
Number of holdings reporting.	...	16 845	Number of holdings reporting.	...	15 064
Area	...	53 081	Area	...	5 870
Production.....	...	111 114			
Other grains ²			Sugar beet		
Number of holdings reporting.	...	31 177	Number of holdings reporting.	...	23 743
Area	...	249 386	Area	...	368 986
			Production.....	...	15 260 300
Soybeans harvested for beans			Sorghum for sirup		
Number of holdings reporting.	...	499 710	Number of holdings reporting.	...	15 750
Area	...	8 935 272	Area	...	8 742
Production.....	...	14 033 330			
Dry field and seed beans			Cotton		
Number of holdings reporting.	...	34 628	Number of holdings reporting.	...	509 540
Area	...	572 283	Area	...	5 928 264
Production.....	...	865 783	Production.....	...	3 155 513
Velvet beans			Groundnuts (peanuts) for all purposes		
Number of holdings reporting.	...	7 372	Number of holdings reporting.	...	104 331
Area	...	43 667	Area	...	594 164
Production.....	...	3 988			
Lentils			Linseed		
Number of holdings reporting.	...	489	Number of holdings reporting.	...	48 510
Area	...	16 186	Area	...	1 152 625
Production.....	...	12 328	Production.....	...	497 789
Mungbeans			Mustard seed		
Number of holdings reporting.	...	444	Number of holdings reporting.	...	211
Area	...	6 358	Area	...	16 789
Production.....	...	1 922	Production.....	...	6 920
Dry field and seed peas			Castor beans		
Number of holdings reporting.	...	3 889	Number of holdings reporting.	...	159
Area	...	139 118	Area	...	7 124
Production.....	...	226 503	Production.....	...	12 636
Cowpeas			Sunflower seed		
Number of holdings reporting.	...	29 427	Number of holdings reporting.	...	627
Area	...	72 609	Area	...	10 413
Production.....	...	40 151	Production.....	...	9 041
Potatoes			Safflower seed		
Number of holdings reporting.	693 213	684 853	Number of holdings reporting.	...	1 816
Area	496 486	485 790	Area	...	81 024
Production.....	10 281 048	10 167 003	Production.....	...	92 196
Sweet potatoes			Cottonseed		
Number of holdings reporting.	...	310 542	Production.....	...	5 212 111
Area	...	88 407			
Production.....	...	733 088	Mint for oil		
Cocoyams (taro)			Number of holdings reporting.	...	1 232
Area	...	186	Area	...	22 177
Production.....	...	4 918			
Dry onions			Dill for oil		
Number of holdings reporting.	...	10 186	Number of holdings reporting.	...	29
Area	...	41 158	Area	...	279
Root crops for feed			Other essential oil plants ³		
Number of holdings reporting.	...	155	Area	...	217
Area	...	839			
Production.....	...	34 640	Tobacco		
			Number of holdings reporting.	...	416 634
			Area	...	448 496
			Production.....	...	746 842

² A separate item was not provided on the state questionnaire for grain crops which were not widely grown in the area. Data for these crops, as a group, are included here. ³ Includes chufas for nuts, wormseed oil and wormwood oil.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
Hops			Other crops hogged or grazed, or cut for silage⁴		
Number of holdings reporting.	...	426	Area	...	314 353
Area	...	13 407			
Production.....	...	24 767	Melons for feed		
Broom sorghum			Number of holdings reporting.	...	38
Number of holdings reporting.	...	1 944	Area	...	46
Area	...	65 569	Production.....	...	173
Production.....	...	26 441	Vegetables harvested for home use		
Alfalfa cut for hay and for dehydrating			Number of holdings reporting.	...	2 409 440
Number of holdings reporting.	...	970 432	Vegetables harvested for sale		
Area	...	10 565 158	Number of holdings reporting.	189 463	184 162
Production.....	...	54 313 892	Area	...	1 371 483
Clover or timothy (alone or mixed) cut for hay			Cabbage⁶		
Number of holdings reporting.	...	641 224	Area	...	52 248
Area	...	5 681 804	Kale		
Production.....	...	20 015 390	Number of holdings reporting.	...	720
Lespedeza cut for hay			Area	...	1 243
Number of holdings reporting.	255 047	247 981	Artichokes		
Area	1 268 105	1 249 914	Number of holdings reporting.	...	137
Production.....	3 494 584	3 413 902	Area	...	3 417
Soybeans cut for hay			Asparagus		
Number of holdings reporting.	...	53 004	Number of holdings reporting.	...	8 348
Area	...	134 976	Area	...	65 928
Production.....	...	416 194	Celery		
Cowpeas cut for hay			Number of holdings reporting.	...	1 593
Number of holdings reporting.	...	16 460	Area	...	14 315
Area	...	40 702	Lettuce (including chicory)		
Production.....	...	73 838	Area	...	86 661
Groundnuts (peanuts) or tops saved for hay			Spinach		
Number of holdings reporting.	...	28 876	Number of holdings reporting.	...	3 205
Area	...	132 406	Area	...	19 294
Production.....	...	178 903	Watercress		
Other crops cut for hay⁴			Number of holdings reporting.	...	110
Area	...	7 711 395	Area	...	141
Production.....	...	16 779 055	Dandelions		
Sorghum cut for silage			Number of holdings reporting.	...	151
Number of holdings reporting.	...	58 305	Area	...	194
Area	...	530 875	Rhubarb		
Production.....	...	10 151 402	Number of holdings reporting.	...	1 213
Maize cut for silage			Area	...	1 218
Number of holdings reporting.	...	422 874	Watermelons		
Area	...	2 763 346	Number of holdings reporting.	...	32 812
Production.....	...	51 770 223	Area	...	109 109
Grass or hay crops grown for silage			Cantaloupes and muskmelons		
Number of holdings reporting.	...	68 184	Number of holdings reporting.	...	22 416
Area	...	508 559	Area	...	54 130
Production.....	...	2 173 742	Pumpkins		
Sorghum or cane hogged or grazed, or cut for dry forage or hay			Number of holdings reporting.	...	4 882
Number of holdings reporting.	...	96 678	Area	...	6 586
Area	...	822 799	Squash		
Production.....	...	2 382 292	Number of holdings reporting.	...	19 227
Maize hogged or grazed, or cut for fodder			Area	...	19 336
Number of holdings reporting.	...	160 640			
Area	...	1 101 782			

⁴ Includes small grains and other crops cut for hay, including wild hay cut and grass silage in those states where separate items for these crops were not included in the questionnaire. For those states where wild hay was included as a separate item in the questionnaire, there were 187,963 holdings reporting, 4,238,478 ha of wild hay cut with 7,834,848 metric tons. ⁵ Includes soybeans, cowpeas, and root and grain crops. ⁶ Includes Brussels sprouts, Chinese cabbage and collards.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
Cucumbers and pickles			Broccoli		
Number of holdings reporting.	...	38 883	Number of holdings reporting.	...	2 022
Area	...	42 225	Area	...	14 106
Eggplants			Maize (sweet)		
Number of holdings reporting.	...	2 793	Number of holdings reporting.	...	66 400
Area	...	2 224	Area	...	249 901
Okra			All other vegetables ⁷		
Number of holdings reporting.	...	13 675	Area	...	10 658
Area	...	8 014	Sugarcane for seed		
Tomatoes			Number of holdings reporting.	...	1 584
Number of holdings reporting.	...	67 262	Area	...	8 541
Area	...	180 260	Sesame for seed		
Chilies			Number of holdings reporting.	...	222
Number of holdings reporting.	...	2 450	Area	...	6 105
Area	...	4 691	Production	...	3 448
Sweet peppers and pimentos			Sweet maize for seed		
Number of holdings reporting.	...	21 281	Number of holdings reporting.	...	391
Area	...	25 090	Area	...	2 820
Green garlic			Production	...	6 063
Number of holdings reporting.	...	209	All other crops for seed		
Area	...	1 339	Area	...	1 595 696
Green onions and shallots			Green manure crops (cowpeas and soybeans)		
Number of holdings reporting.	...	4 248	Area	...	157 620
Area	...	5 209	All other crops on arable land ⁸		
Beets (red)			Area	...	14 589
Number of holdings reporting.	...	6 845	Permanent crops ⁹		
Area	...	8 295	Oranges (including satsumas, tangerines and mandarins)		
Carrots			Total number of trees	...	54 094 520
Number of holdings reporting.	...	7 507	Trees of productive age	...	(40 236 173)
Area	...	32 473	Trees of nonproductive age	...	(13 858 347)
Radishes and horseradishes			Production	...	4 854 258
Area	...	14 542	Of which tangerines and mandarins		
Rutabagas (swedes)			Number of holdings reporting.	...	7 662
Number of holdings reporting.	...	435	Total number of trees	...	1 253 155
Area	...	644	Trees of productive age	...	(1 029 750)
Turnips			Trees of nonproductive age	...	(223 405)
Number of holdings reporting.	...	8 426	Production	...	150 008
Area	...	9 005	Lemons		
Parsnips			Number of holdings reporting.	...	10 894
Number of holdings reporting.	...	467	Total number of trees	...	7 293 681
Area	...	814	Trees of productive age	...	(6 180 487)
Beans, snap and lima beans (green)			Trees of nonproductive age	...	(1 113 194)
Area	...	137 946	Production	...	731 360
Peas (green)			Grapefruit		
Number of holdings reporting.	...	17 864	Number of holdings reporting.	...	20 038
Area	...	135 254	Total number of trees	...	11 595 305
Cowpeas and blackeyes (green)			Trees of productive age	...	(9 371 925)
Number of holdings reporting.	...	22 987	Trees of nonproductive age	...	(2 223 380)
Area	...	43 219	Production	...	1 352 549
Cauliflower			Limes		
Number of holdings reporting.	...	3 122	Number of holdings reporting.	...	2 678
Area	...	11 754	Total number of trees	...	355 142
			Trees of productive age	...	(300 343)
			Trees of nonproductive age	...	(54 799)
			Production	...	9 305
			Kumquats		
			Number of holdings reporting.	...	2 697
			Total number of trees	...	23 363
			Trees of productive age	...	(18 136)
			Trees of nonproductive age	...	(5 227)
			Production	...	359

⁷ Includes burdock, Swiss chard, daikon, mustard (greens), parsley, turnips (green), mixed vegetables and unspecified vegetables.
⁸ Includes guar, ginger roots, lotus roots, and unspecified crops. ⁹ Excludes holdings reporting less than 20 trees and grapevines.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
Tangelos			Figs		
Number of holdings reporting.	...	2 221	Number of holdings reporting.	...	32 317
Total number of trees	...	368 508	Total number of trees	...	1 327 781
Trees of productive age	...	(223 283)	Trees of productive age	...	(1 130 625)
Trees of nonproductive age	...	(145 225)	Trees of nonproductive age	...	(197 156)
Production	...	14 217	Production	...	57 714
Citrons and limequats			Breadfruit		
Total number of trees	...	390	Number of holdings reporting.	...	94
Trees of productive age	...	(247)	Total number of trees	...	463
Trees of nonproductive age	...	(143)	Trees of productive age	...	(443)
Apples			Trees of nonproductive age	...	(20)
Number of holdings reporting.	...	184 613	Production	...	13
Total number of trees	...	28 981 444	Mangoes		
Trees of productive age	...	(20 264 949)	Number of holdings reporting.	...	2 390
Trees of nonproductive age	...	(8 716 495)	Total number of trees	...	141 136
Production	...	2 625 920	Trees of productive age	...	(113 283)
Pears			Trees of nonproductive age	...	(27 853)
Number of holdings reporting.	...	134 762	Production	...	1 053
Total number of trees	...	10 524 176	Avocados		
Trees of productive age	...	(7 665 414)	Number of holdings reporting.	...	9 452
Trees of nonproductive age	...	(2 858 762)	Total number of trees	...	2 505 707
Production	...	606 493	Trees of productive age	...	(2 047 214)
Quinces			Trees of nonproductive age	...	(458 493)
Number of holdings reporting.	...	3 368	Production	...	51 972
Total number of trees	...	33 172	Guavas		
Trees of productive age	...	(28 211)	Number of holdings reporting.	...	809
Trees of nonproductive age	...	(4 961)	Total number of trees	...	33 879
Production	...	606	Trees of productive age	...	(25 396)
Loquats			Trees of nonproductive age	...	(8 483)
Number of holdings reporting.	...	846	Production	...	235
Total number of trees	...	2 399	Pomegranates		
Trees of productive age	...	(1 543)	Number of holdings reporting.	...	1 286
Trees of nonproductive age	...	(856)	Total number of trees	...	98 669
Production	...	7	Trees of productive age	...	(75 521)
Apricots			Trees of nonproductive age	...	(23 148)
Number of holdings reporting.	...	33 647	Production	...	3 701
Total number of trees	...	3 499 424	Sapodillas		
Trees of productive age	...	(2 889 714)	Number of holdings reporting.	...	73
Trees of nonproductive age	...	(609 710)	Total number of trees	...	910
Production	...	171 892	Trees of productive age	...	(252)
Cherries			Trees of nonproductive age	...	(658)
Number of holdings reporting.	...	101 563	Persimmons		
Total number of trees	...	10 740 541	Number of holdings reporting.	...	2 500
Trees of productive age	...	(8 119 674)	Total number of trees	...	70 407
Trees of nonproductive age	...	(2 620 867)	Trees of productive age	...	(59 488)
Production	...	182 044	Trees of nonproductive age	...	(10 919)
Peaches			Production	...	1 876
Number of holdings reporting.	...	144 417	Litchis		
Total number of trees	...	40 226 946	Number of holdings reporting.	...	892
Trees of productive age	...	(31 054 987)	Total number of trees	...	16 817
Trees of nonproductive age	...	(9 171 959)	Trees of productive age	...	(8 356)
Production	...	1 496 920	Trees of nonproductive age	...	(8 461)
Nectarines			Production	...	54
Number of holdings reporting.	...	4 245	Almonds		
Total number of trees	...	1 255 187	Number of holdings reporting.	...	9 382
Trees of productive age	...	(952 637)	Total number of trees	...	6 048 497
Trees of nonproductive age	...	(302 550)	Trees of productive age	...	(5 562 800)
Production	...	36 916	Trees of nonproductive age	...	(485 697)
Plums and prunes			Production	...	65 886
Number of holdings reporting.	...	86 651	Walnuts		
Total number of trees	...	15 446 788	Total number of trees	...	3 507 954
Trees of productive age	...	(11 613 787)	Trees of productive age	...	(3 099 174)
Trees of nonproductive age	...	(3 833 001)	Trees of nonproductive age	...	(408 780)
Production	...	477 245	Production	...	53 037
Dates			Chestnuts		
Number of holdings reporting.	...	529	Number of holdings reporting.	...	4 417
Total number of trees	...	225 815	Total number of trees	...	85 241
Trees of productive age	...	(206 257)	Trees of productive age	...	(39 337)
Trees of nonproductive age	...	(19 558)	Trees of nonproductive age	...	(45 904)
Production	...	18 159	Production	...	147

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
Filbert and hazelnuts			Plantains		
Number of holdings reporting.	...	5 772	Number of holdings reporting.	...	530
Total number of trees	...	1 509 870	Total number of hills	...	10 024
Trees of productive age	...	(1 426 264)	Hills of productive age	...	(6 949)
Trees of nonproductive age	...	(83 606)	Hills of nonproductive age	...	(3 075)
Production	...	8 280	Production	...	69
Pecans ¹⁰			Pineapples ¹²		
Number of holdings reporting.	...	93 124	Number of holdings reporting.	...	116
Total number of trees	...	7 205 847	Area	...	17 948
Trees of productive age	...	(5 967 350)	Production	...	916 074
Trees of nonproductive age	...	(1 238 497)			
Production	...	20 782	Papayas		
Macadamia nuts			Number of holdings reporting.	...	1 325
Number of holdings reporting.	...	968	Total number of trees	...	444 464
Total number of trees	...	260 754	Trees of productive age	...	(304 967)
Trees of productive age	...	(128 368)	Trees of nonproductive age	...	(139 497)
Trees of nonproductive age	...	(132 386)	Production	...	6 170
Production	...	914			
Strawberries			Passion fruit		
Number of holdings reporting.	...	60 341	Number of holdings reporting.	...	318
Area	...	34 490	Total number of plants	...	23 462
Production	...	189 981	Plants of productive age	...	(23 105)
			Plants of nonproductive age	...	(357)
Raspberries			Production	...	351
Number of holdings reporting.	...	20 487			
Area	...	9 799	Grapes		
Production	...	22 686	Number of holdings reporting.	...	111 541
Gooseberries			Total number of vines	...	272 067 767
Number of holdings reporting.	...	298	Vines of productive age	...	(244 484 937)
Area	...	369	Vines of nonproductive age	...	(27 582 830)
Production	...	797	Production	...	2 740 794
Currants			Coffee		
Number of holdings reporting.	...	572	Number of holdings reporting.	...	1 357
Area	...	361	Total number of trees	...	4 032 586
Production	...	956	Trees of productive age	...	(3 648 075)
			Trees of nonproductive age	...	(384 511)
Blueberries ¹¹			Production (parchment)	...	4 538
Number of holdings reporting.	...	4 102			
Area	...	17 439	Olives		
Production	...	22 236	Number of holdings reporting.	...	4 142
Cranberries			Total number of trees	...	1 608 367
Number of holdings reporting.	...	1 269	Trees of productive age	...	(1 388 926)
Area	...	8 627	Trees of nonproductive age	...	(219 441)
Production	...	53 909	Production	...	47 974
Blackberries and dewberries			Coconuts		
Number of holdings reporting.	...	7 387	Number of holdings reporting.	...	94
Area	...	3 808	Total number of trees	...	12 868
Production	...	15 079	Trees of productive age	...	(6 332)
			Trees of nonproductive age	...	(6 536)
Youngberries, boysenberries and loganberries			Production	...	70
Area	...	2 386			
Production	...	11 119	Tung trees		
All other berries			Number of holdings reporting.	...	2 361
Area	...	284	Total number of trees	...	10 370 699
Production	...	217	Trees of productive age	...	(10 054 851)
Bananas			Trees of nonproductive age	...	(315 848)
Number of holdings reporting.	...	1 580	Production (in hull)	...	101 230
Total number of hills	...	481 649			
Hills of productive age	...	(418 769)	Cherimoya, mountain apples, and sugar apples		
Hills of nonproductive age	...	(62 880)	Number of trees	...	292
Production	...	3 548	Trees of productive age	...	(259)
			Trees of nonproductive age	...	(33)
			Nurseries		
			Number of holdings reporting.	...	17 083
			Area	...	69 991

¹⁰ Includes improved, wild or seedling pecans. ¹¹ Total of cultivated blueberries and wild blueberries for specified states. Figures include wild blueberries for New England states only. ¹² Data for Hawaii only; figures for conterminous states are as follows:

Number of holdings reporting	111
Total number of plants	137 962
Plants of productive age	(72 348)
Plants of nonproductive age	(65 614)
Production	72

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
3 - LIVESTOCK AND POULTRY					
Horses and mules			Pigs		
Number of holdings reporting...	1 144 153	1 138 986	Number of holdings reporting...	1 854 708	1 848 784
Number of horses and mules...	2 959 064	2 995 256	Number of pigs	69 459 896	67 949 259
Cattle			Poultry		
Number of holdings reporting...	2 700 811	2 674 176	Chickens 4 months of age and over		
Number of cattle	93 694 441	92 534 082	Number of holdings reporting...	2 207 809	2 172 264
Cows (including heifers that have calved)			Number of chickens	369 863 645	351 029 294
Number of holdings reporting	2 477 073	2 449 258	Ducks (sold)		
Total number of cows	41 776 134	41 273 478	Number of holdings reporting...	...	47 850
Of which milk cows			Number of ducks	...	12 197 730
Number of holdings reporting	(1 836 785)	(1 792 393)	Geese (sold)		
Number of milk cows	(16 823 978)	(16 522 026)	Number of holdings reporting...	...	28 047
Heifers and heifer calves			Number of geese	...	850 139
Number of holdings reporting	2 158 568	2 130 114	Turkeys		
Number of heifers and heifer calves	27 332 683	26 888 857	Number of holdings reporting...	...	86 838
Steers and bulls (including steer and bull calves)			Number of turkeys raised	...	82 521 297
Number of holdings reporting	1 893 763	1 859 527	Guinea fowls		
Number of steers and bulls	24 585 624	24 371 747	Number of holdings reporting...	...	8 913
Number of holdings reporting specified number of cattle			Number of guinea fowls	...	133 019
1 head	170 504	...	Eggs (chicken only)		
2-4 head	433 988	...	Number of holdings reporting...	...	1 067 626
5-9 head	393 274	...	Number of eggs (in thousands)	...	39 963 185
10-19 head	489 545	...	4 - EMPLOYMENT IN AGRICULTURE		
20-49 head	746 692	...	Persons employed in agricultural work on the holding the week preceding the census		
50-99 head	309 916	...	All persons		
100-499 head	145 320	...	Number of holdings reporting...	3 175 314	...
500 or more head	11 572	...	Total number of persons	6 332 478	...
Whole milk sold			Holders and members of their families		
Number of holdings reporting...	...	770 221	Number of holdings reporting	3 125 131	...
Production	...	44 273 261	Number of persons	4 748 325	...
Sheep			Of which:		
Number of holdings reporting...	346 037	341 952	Unpaid members of the holder's family		
Total number of sheep	34 114 794	33 944 513	Number of holdings reporting	1 176 433	...
Lambs under 1 year of age			Number of persons	(1 700 564)	...
Number of holdings reporting	249 619	...	Persons working for pay		
Number of lambs	(11 780 341)	...	Number of holdings reporting	547 611	...
Sheep 1 year of age and over			Number of persons	1 584 153	...
Number of holdings reporting	324 821	...	Regular paid workers		
Number of sheep	(22 334 453)	...	Number of holdings reporting	316 571	...
Male			Number of persons	(700 256)	...
Number of holdings reporting	240 026	...	Seasonal paid workers		
Number of head	(1 182 971)	(...)	Number of holdings reporting	306 797	...
Female			Number of persons	(883 897)	...
Number of holdings reporting	318 623	...	6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
Number of head	(21 151 482)	(...)	Selected agricultural equipment on the holding		
Sheep clipped during calendar year 1959	...	27 914 144	Tractors		
Wool			Number of holdings reporting...	2 679 561	...
Number of holdings reporting...	...	316 946	Total number of tractors	5 138 921	...
Production (grease) in 1959	...	104 639	Wheel tractors		
Goats ¹³			Number of holdings reporting...	2 556 266	...
Number of holdings reporting...	25 980	26 480	Number of wheel tractors...	(4 489 286)	...
Number of goats	3 488 545	3 497 710			
Goats clipped during calendar year 1959	...	3 260 520			
Mohair ¹⁴					
Number of holdings reporting...	...	10 816			
Production	...	9 358			

¹³ Data are available only for Alaska, Arizona, California, Hawaii, Missouri, Nevada, New Mexico, Oklahoma, Oregon, Texas and Utah. ¹⁴ Excluding Hawaii.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

UNITED STATES OF AMERICA

Not classified by size of holding

	By sampling enumeration or tabulation	By complete enumeration and tabulation		By sampling enumeration or tabulation	By complete enumeration and tabulation
<i>Track-laying tractors</i>			7 - IRRIGATION AND DRAINAGE		
Number of holdings reporting	161 091	...	Area of land actually irrigated		
Number of track-laying tractors	(199 207)	...	Number of holdings reporting...	313 127 ¹⁵	306 532 ¹⁶
<i>Garden tractors</i>			Area	13 524 117 ¹⁵	13 363 262 ¹⁶
Number of holdings reporting	424 790	...	8 - FERTILIZERS AND SOIL DRESSINGS		
Number of garden tractors..	(450 428)	...	Application of commercial fertilizers		
Combines (harvester-threshers)			Commercial fertilizers applied during the year		
Number of holdings reporting.	974 735	...	Number of holdings reporting.	2 378 454	...
Number of combines	1 041 553	...	Area	53 927 232	...
Maize-pickers ¹⁵			Amount applied (metric tons).	17 964 137	...
Number of holdings reporting.	766 948	...	Lime or liming materials used during the year		
Number of maize-pickers.....	792 379	...	Number of holdings reporting.	454 223	...
Field forage harvesters			Area	4 127 395	...
Number of holdings reporting..	275 282	...	Amount applied (metric tons) .	17 387 643	...
Number of field forage harvesters	290 985	...	9 - WOOD AND FISHERY PRODUCTS		
Crop driers			Wood products obtained on the holding		
Number of holdings reporting..	51 523	...	Firewood and fuelwood		
Pick-up balers			Number of holdings reporting.	...	486 939
Number of holdings reporting.	669 540	...	Quantity produced (cubic meters).....	...	12 248 618
Number of pick-up balers.....	679 776	...	Fence posts		
Milking machines			Number of holdings reporting.	...	137 594
Number of holdings reporting.	666 197	...	Number of fence posts	...	32 124 196
Electric milk coolers			Sawlogs and veneer logs		
Number of holdings reporting.	428 380	...	Number of holdings reporting.	...	49 885
Motortrucks			Quantity produced (cubic meters).....	...	3 714 188
Number of holdings reporting.	2 177 080	...	Pulpwood sold		
Number of motortrucks.....	2 833 763	...	Number of holdings reporting ¹⁵	...	40 976
Automobiles			Quantity produced (cubic meters).....	...	5 988 545
Number of holdings reporting.	2 956 713	...			
Number of automobiles	3 635 419	...			
Conveyers, elevators or blowers					
Number of holdings reporting.	925 450	...			

¹⁵ Excluding Alaska. ¹⁶ Excluding Alaska and Hawaii.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

UNITED STATES OF AMERICA

Classified by size of holding

	All sizes of holdings	Under 4.0 ha	4.0 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 and under 809.4 ha	809.4 ha and over
		Under 10 acres	10 and under 50 acres	50 and under 100 acres	100 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 and under 2000 acres	2000 acres and over
0 - HOLDER, HOLDING AND TENURE									
Number and area of holdings ¹									
Number	3 707 973	243 946	812 764	657 276	1 186 218	471 538	199 802	79 093	57 336
Percentage distribution.....	100.0	6.6	21.9	17.8	32.0	12.7	5.4	2.1	1.5
Area	454 608 633	430 485	8 895 290	19 396 149	78 976 635	67 047 933	55 441 349	43 696 614	180 724 178
Percentage distribution.....	100.0	0.1	2.0	4.2	17.4	14.7	12.2	9.6	39.8
Age of the holder									
Total number of holders reporting	3 670 989	240 648	804 708	651 722	1 175 998	467 268	197 468	77 699	55 478
Number of holders									
Under 35 years of age	(464 937)	(39 417)	(92 697)	(63 805)	(154 641)	(70 439)	(27 180)	(10 338)	(6 420)
35-44 years of age	(806 106)	(50 264)	(165 659)	(123 219)	(261 852)	(121 624)	(50 680)	(19 694)	(13 114)
45-54 years of age	(980 018)	(54 048)	(204 152)	(169 236)	(323 295)	(132 448)	(58 164)	(22 996)	(15 679)
55-64 years of age	(802 658)	(46 646)	(172 809)	(156 698)	(263 774)	(94 634)	(40 517)	(15 591)	(11 989)
65 years of age and over	(617 270)	(50 273)	(169 391)	(138 764)	(172 436)	(48 123)	(20 927)	(9 080)	(8 276)
Number of holdings, by tenure									
Holdings operated under one form of tenure									
Holdings owned by the holder or in ownerlike possession.....	2 116 594	165 281	547 310	474 728	662 831	170 662	62 119	21 613	12 050
Holdings rented from others (total)	735 849	63 732	181 223	85 306	239 485	113 033	36 587	10 922	5 561
For a fixed amount of money	(107 217)	(11 816)	(25 474)	(16 902)	(35 618)	(9 594)	(3 734)	(1 819)	(2 260)
For a share of the produce...	(408 512)	(34 340)	(126 622)	(48 446)	(118 440)	(54 667)	(18 711)	(5 486)	(1 800)
Operated under other forms of renting	(220 120)	(17 576)	(29 127)	(19 958)	(85 427)	(48 772)	(14 142)	(3 617)	(1 501)
Holdings operated under more than one form of tenure	834 470	13 864	82 311	95 861	280 184	184 600	97 787	44 029	35 834
Holdings operated by managers.	21 060	...	...	...	...	...	...	...	...
1 - LAND UTILIZATION									
Utilization of land in holdings									
Cropland									
Number of holdings reporting ² ..	3 216 207	130 635	646 587	579 969	1 105 243	447 940	187 546	72 199	46 088
Area	182 500 590	236 410	5 297 275	11 071 582	48 515 376	41 626 178	31 559 296	20 945 958	23 248 515
Permanent meadows and pastures									
Number of holdings reporting..	1 606 504	29 796	230 717	265 536	568 236	270 184	133 291	59 594	49 150
Area	187 849 338	38 224	1 081 502	2 482 572	10 020 977	10 584 838	13 153 123	15 707 357	134 780 745

¹ Figures on the number and area of holdings, classified by size of holding, derived from reports for all holdings, are reported as follows:

	All sizes of holdings	Under 4.0 ha	4.0 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 ha and over
		Under 10 acres	10 and under 50 acres	50 and under 100 acres	100 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 acres and over
0 - HOLDER, HOLDING AND TENURE								
Number and area of holdings								
Number	3 710 503	244 328	813 216	657 990	1 186 983	471 547	200 012	136 427
Percentage distribution.....	100.0	6.6	21.9	17.7	32.0	12.7	5.4	3.7
Area	454 661 045	425 963	8 842 148	19 404 267	79 007 711	66 949 458	55 583 376	224 448 122
Percentage distribution.....	100.0	0.1	2.0	4.2	17.4	14.7	12.2	49.4

² Refers to holdings reporting cropland harvested only.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

UNITED STATES OF AMERICA

Classified by size of holding

	All sizes of holdings	Under 4.0 ha	4.0 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 and under 809.4 ha	809.4 ha and over
		Under 10 acres	10 and under 50 acres	50 and under 100 acres	100 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 and under 2000 acres	2000 acres and over
Wood or forest land									
Number of holdings reporting..	1 878 560 ³	17 754	1 628 338	4 516 985	15 912 664	11 514 191	8 461 236	5 631 405	18 503 003
Area (total)	66 185 576								
Wood or forest land pastured									
Number of holdings reporting..	1 113 675	5 953	159 326	232 940	460 250	168 927	57 412	17 439	11 428
Area	(37 256 098)	(7 035)	(673 303)	(1 878 682)	(7 342 460)	(5 583 522)	(4 191 256)	(3 151 545)	(14 428 295)
Wood or forest land not pastured									
Number of holdings reporting..	1 205 503	9 798	212 720	274 742	467 524	163 437	56 191	14 762	6 329
Area	(28 929 478)	(10 719)	(955 035)	(2 638 303)	(8 570 204)	(5 930 669)	(4 269 980)	(2 479 860)	(4 074 708)
All other land									
Area	18 207 015 ³	...	...	...	...	...	...	...	...
2 - CROPS - AREA AND PRODUCTION									
Crops on arable land									
Maize for all purposes									
Number of holdings reporting..	2 157 214	34 035	391 122	410 926	856 824	323 071	101 202	28 211	11 823
Area	32 332 389	38 545	1 196 260	2 420 751	12 920 114	9 871 049	3 956 595	1 255 394	673 681
Of which maize harvested for grain									
Number of holdings reporting..	2 002 039	32 588	376 818	389 008	801 731	294 809	81 930	18 425	6 730
Area	28 433 864	37 067	1 134 393	2 199 244	11 641 055	8 878 591	3 280 570	860 887	402 057
Production	94 676 507	88 965	2 548 658	6 285 641	40 755 343	30 861 695	10 599 465	2 448 522	1 088 218
Potatoes									
Number of holdings reporting...	693 213	32 668	170 002	156 750	232 918	69 950	22 215	5 999	2 711
Area ⁴	496 486	1 074	14 068	35 832	151 587	103 144	98 016	49 693	43 072
Production	10 281 048	18 170	230 610	689 337	3 220 563	2 263 529	1 876 444	1 031 201	951 194
Alfalfa and alfalfa mixtures cut for hay and for dehydrating									
Number of holdings reporting...	992 611	4 560	67 316	131 402	445 480	211 898	81 735	29 757	20 463
Area	10 720 203	5 304	193 509	679 869	3 796 495	2 663 958	1 485 486	828 553	1 067 029
Production	55 639 081	31 358	1 050 936	3 803 819	21 361 446	14 097 583	7 059 930	3 570 100	4 663 909
Clover, timothy, and mixtures of clover and grasses cut for hay									
Number of holdings reporting..	658 172	3 217	70 191	125 953	308 928	110 908	28 445	6 337	4 193
Area	5 778 872	3 621	190 891	607 217	2 542 943	1 446 756	529 533	188 713	269 198
Production	20 529 819	12 585	597 297	2 067 890	9 268 454	5 303 607	1 856 901	627 348	795 737
Lespedeza cut for hay									
Number of holdings reporting..	255 047	1 765	37 804	65 027	103 060	32 123	11 340	2 826	1 102
Area	1 268 105	3 258	75 155	202 226	510 348	256 072	131 356	53 066	36 624
Production	3 494 584	7 965	180 029	512 110	1 385 983	741 224	388 231	163 065	115 977
Vetch or peas, alone or mixed with oats or other cereals, cut for hay									
Number of holdings reporting..	1 976	30	385	386	658	264	147	44	62
Area	14 715	34	1 089	1 617	3 643	2 492	2 035	1 134	2 671
Production	57 193	68	3 973	7 244	16 872	9 874	7 852	3 831	7 479
Coastal Bermuda grass cut for hay									
Number of holdings reporting..	5 196	20	181	425	1 264	1 232	1 119	566	389
Area	50 396	22	423	1 536	5 463	8 303	12 450	9 732	12 467
Production	225 475	32	853	5 611	23 302	34 262	59 336	42 121	59 958
Oats, wheat, barley, rye, or other small grains cut for hay									
Number of holdings reporting...	219 530	1 262	28 074	37 247	71 635	36 248	23 420	12 361	9 283
Area	1 459 160	1 188	46 212	90 947	291 146	276 965	287 625	210 444	254 633
Production	3 374 842	3 466	122 987	243 380	800 622	671 324	561 056	411 137	560 870

³ Data derived from reports for all holdings. ⁴ Excludes holdings with less than 0.54 metric ton harvested.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

UNITED STATES OF AMERICA

Classified by size of holding

	All sizes of holdings	Under 4.0 ha	4.0 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 and under 809.4 ha	809.4 ha and over
		Under 10 acres	10 and under 50 acres	50 and under 100 acres	100 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 and under 2000 acres	2000 acres and over
Grass silage made from grasses, alfalfa, clover or small grains									
Number of holdings reporting..	74 724	60	1 499	6 193	40 348	19 854	5 277	1 034	459
Area	549 663	69	4 846	26 704	234 625	172 655	69 399	22 535	18 830
Production (green weight).....	7 976 303	861	71 621	431 293	3 478 125	2 449 923	991 353	307 135	245 992
Other hay cut									
Number of holdings reporting..	253 650	1 855	32 495	42 907	91 272	44 535	23 787	10 034	6 765
Area	2 006 566	2 106	73 107	159 406	546 416	421 848	327 456	206 282	269 945
Production	5 467 876	6 015	181 296	399 733	1 525 449	1 206 742	891 686	556 610	700 345
Vegetables harvested for sale									
Number of holdings reporting...	189 463	10 357	50 901	40 465	58 017	19 215	6 965	2 313	1 230
Permanent crops ⁵									
Land under permanent crops									
Number of holdings reporting...	332 382	32 822	89 796	61 408	90 523	32 876	15 364	5 773	3 820
Area	1 693 751	33 765	297 316	250 679	412 000	217 762	185 418	125 136	171 675
3 - LIVESTOCK AND POULTRY									
Horses and mules									
Number of holdings reporting.....	1 144 153	32 211	233 910	214 630	336 552	146 982	86 274	47 217	46 377
Number of horses and mules	2 959 064	63 090	432 454	427 081	756 289	378 736	261 125	186 073	454 216
Cattle									
Number of holdings reporting.....	2 700 811	81 971	455 314	485 140	988 841	403 958	168 212	66 357	51 018
Total number of cattle	93 694 441	535 396	3 458 260	6 302 849	26 701 941	18 826 501	12 062 741	7 833 757	17 972 996
Cows (including heifers that have calved)									
Number of holdings reporting..	2 477 073	65 187	402 848	446 252	916 802	375 340	158 876	62 989	48 779
Total number of cows.....	41 776 134	227 526	1 560 088	3 017 442	12 131 666	7 868 715	5 217 297	3 490 038	8 263 362
Of which milk cows									
Number of holdings report- ing	(1 836 785)	(48 680)	(305 765)	(344 248)	(708 308)	(267 538)	(100 752)	(35 671)	(25 823)
Number of milk cows ...	(16 823 978)	(142 809)	(982 019)	(1 929 989)	(7 857 595)	(3 770 574)	(1 422 715)	(465 176)	(253 101)
Heifers and heifer calves									
Number of holdings reporting	158 568	49 229	288 971	364 426	839 480	358 123	151 714	60 088	46 537
Number of heifers and heifer calves	27 332 683	167 980	1 096 096	2 009 190	8 529 874	5 682 181	3 340 219	2 034 853	4 472 290
Steers and bulls (including steers and bull calves)									
Number of holdings reporting	1 893 763	38 740	210 682	286 364	743 154	349 741	154 127	62 173	48 782
Number of steers and bulls..	24 585 624	139 890	802 076	1 276 217	6 040 401	5 275 605	3 505 225	2 308 866	5 237 344
Number of holdings reporting spec- ified number of cattle									
1 head	170 504	16 568	75 206	39 550	30 640	5 831	1 885	547	277
2-4 head	433 988	30 061	173 305	108 777	93 782	19 197	6 076	1 886	904
5-9 head	393 274	23 719	114 653	110 302	112 614	22 620	6 687	1 872	807
10-19 head	489 545	8 303	65 903	128 297	217 174	52 022	13 655	3 106	1 085
20-49 head	746 692	2 485	22 286	88 235	408 234	162 240	48 720	11 319	3 173
50-99 head	309 916	491	2 553	8 412	110 604	108 696	54 147	18 581	6 432
100-499 head	145 320	321	1 243	1 492	15 576	32 990	36 353	27 959	29 386
500 or more head.....	11 572	23	165	75	217	362	689	1 087	8 954
Sheep									
Number of holdings reporting.....	346 037	9 586	39 922	43 912	128 722	68 335	30 645	12 311	12 604
Total number of sheep	34 114 794	193 086	966 957	1 338 674	6 058 867	5 181 493	3 921 231	2 688 000	13 766 486
Lambs under 1 year of age									
Number of holdings reporting.	249 619	5 885	26 403	29 921	92 668	51 629	23 854	9 549	9 710
Number of lambs	11 780 341	83 024	363 852	454 408	2 388 303	2 178 729	1 595 076	949 045	3 767 904

⁵ Excludes holdings reporting less than 20 trees or grapevines, and data for Alaska and Hawaii.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

UNITED STATES OF AMERICA

Classified by size of holding

	All sizes of holdings	Under 4.0 ha	4.0 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 and under 809.4 ha	809.4 ha and over
		Under 10 acres	10 and under 50 acres	50 and under 100 acres	100 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 and under 2000 acres	2000 acres and over
Sheep 1 year of age and over									
Number of holdings reporting...	324 821	8 419	36 523	41 265	121 704	64 591	28 821	11 577	11 921
Number of sheep	22 334 453	110 062	603 105	884 266	3 670 564	3 002 764	2 326 155	1 738 955	9 998 582
Male									
Number of holdings reporting...	240 026	4 828	24 375	29 421	88 964	49 538	23 157	9 458	10 285
Number of head	(1 182 971)	(8 950)	(45 160)	(55 673)	(225 984)	(161 833)	(134 880)	(95 245)	(455 246)
Female									
Number of holdings reporting...	318 623	8 133	35 515	40 426	119 474	63 589	28 404	11 371	11 711
Number of head	(21 151 482)	(101 112)	(557 945)	(828 593)	(3 444 580)	(2 840 931)	(2 191 275)	(1 643 710)	(9 543 336)
Goats ⁶									
Number of holdings reporting.....	25 980	1 719	3 781	2 453	5 546	3 883	3 243	2 133	3 222
Number of goats	3 488 545	14 172	28 393	24 044	146 564	238 954	406 293	513 157	2 116 968
Pigs									
Number of holdings reporting.....	1 854 708	85 058	380 303	330 671	659 148	262 925	92 830	29 047	14 726
Number of pigs.....	69 459 896	1 049 618	3 776 507	5 938 304	30 761 272	18 815 370	6 469 844	1 703 134	945 847
Poultry									
Chickens									
4 months of age and over									
Number of holdings reporting...	2 207 809	119 321	477 731	408 794	742 225	282 605	110 597	40 196	26 340
Number of chickens.....	369 863 645	45 798 218	72 130 760	52 154 408	121 033 090	50 080 569	18 217 399	6 563 628	3 885 573
4 - EMPLOYMENT IN AGRICULTURE									
Persons employed in agricultural work on the holding the week pre- ceding the census									
Persons working for pay									
Number of holdings reporting...	547 611	17 090	47 656	54 749	169 201	125 203	70 885	30 422	32 405
Number of persons	1 584 153	40 293	131 270	135 025	380 725	289 784	241 075	149 737	216 244
Of which regular paid workers									
Number of holdings reporting...	(316 571)	(9 601)	(17 774)	(20 982)	(86 789)	(79 393)	(51 114)	(23 456)	(27 462)
Number of persons	(700 256)	(21 010)	(40 590)	(36 052)	(134 097)	(131 789)	(118 252)	(79 327)	(139 139)
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES									
Selected agricultural equipment on the holding									
Tractors									
Number of holdings reporting...	2 679 561	72 745	387 047	457 357	1 014 652	437 468	186 773	73 501	50 018
Total number of tractors.....	5 138 921	91 612	506 933	663 702	1 893 309	1 030 448	515 620	234 414	202 883
Wheel tractors									
Number of holdings reporting...	2 556 266	44 480	342 512	438 375	995 704	431 691	183 596	71 631	48 277
Number of wheel tractors....	(4 489 286)	(48 738)	(390 718)	(569 637)	(1 703 834)	(937 452)	(464 479)	(206 139)	(168 289)
Track-laying tractors									
Number of holdings reporting...	161 091	3 142	18 209	17 288	42 679	28 500	21 742	13 510	16 021
Number of track-laying tractors	(199 207)	(3 406)	(19 659)	(19 171)	(48 454)	(33 225)	(27 872)	(19 499)	(27 921)
Garden tractors									
Number of holdings reporting...	424 790	36 146	91 039	71 693	134 905	56 446	20 264	8 801	5 496
Number of garden tractors...	(450 428)	(39 468)	(96 556)	(74 894)	(141 021)	(59 771)	(22 269)	(9 776)	(6 673)
Combines (harvester-threshers)									
Number of holdings reporting...	974 735	1 714	22 091	76 780	413 824	264 760	122 663	47 946	24 957
Number of combines	1 041 553	1 879	22 762	78 053	422 134	278 311	138 337	61 126	38 951

⁶ Data are available only for Alaska, Arizona, California, Hawaii, Missouri, Nevada, New Mexico, Oklahoma, Oregon, Texas and Utah.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

UNITED STATES OF AMERICA

Classified by size of holding

	All sizes of holdings	Under 4.0 ha	4.0 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 and under 809.4 ha	809.4 ha and over
		Under 10 acres	10 and under 50 acres	50 and under 100 acres	100 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 and under 2000 acres	2000 acres and over
Maize-pickers ⁷									
Number of holdings reporting...	766 948	1 452	22 454	73 538	384 793	205 105	59 672	14 499	5 435
Number of maize-pickers.....	792 379	1 477	22 710	74 458	392 718	213 221	64 653	16 424	6 718
Field forage harvesters									
Number of holdings reporting...	275 282	520	3 894	16 254	113 221	78 507	38 123	15 531	9 232
Number of field forage harvesters	290 985	573	4 124	16 880	118 108	82 421	40 429	17 094	11 356
Crop driers									
Number of holdings reporting..	51 523	531	1 998	2 834	16 913	15 431	8 715	3 273	1 828
Pick-up balers									
Number of holdings reporting...	669 540	1 563	15 351	58 588	305 436	171 830	69 778	26 319	20 675
Number of pick-up balers.....	679 776	1 598	15 607	58 998	307 417	173 659	71 768	27 579	23 150
Milking machines									
Number of holdings reporting...	666 197	3 598	30 867	90 749	351 517	135 953	39 685	10 419	3 409
Electric milk coolers									
Number of holdings reporting...	428 380	1 756	15 974	57 201	235 724	90 535	21 615	4 184	1 391
Motortrucks									
Number of holdings reporting...	2 177 080	81 299	316 875	329 482	758 983	380 766	180 723	74 361	54 591
Number of motortrucks.....	2 833 763	91 746	352 359	367 443	883 717	505 727	304 314	158 845	169 612
Automobiles									
Number of holdings reporting...	2 956 713	173 187	568 095	492 354	995 622	423 047	181 288	71 838	51 282
Number of automobiles.....	3 635 419	202 867	658 175	577 863	1 201 925	545 518	251 548	106 176	91 347
Conveyers, elevators or blowers									
Number of holdings reporting...	925 450	3 837	23 347	79 404	416 341	236 447	102 873	40 476	22 725
7 - IRRIGATION AND DRAINAGE									
Area of land actually irrigated ⁸									
Number of holdings reporting...	313 127	33 375	72 704	39 077	68 292	40 955	27 957	14 477	16 290
Area	13 524 117	43 854	495 290	709 684	2 466 315	2 439 475	2 423 231	1 664 981	3 281 287
8 - FERTILIZERS AND SOIL DRESS- INGS									
Application of commercial fertilizers									
Commercial fertilizers applied dur- ing the year									
Number of holdings reporting...	2 378 454	99 113	497 972	444 774	838 151	325 889	117 266	36 492	18 797
Area	53 927 232	146 061	2 605 243	4 243 089	16 864 940	13 399 513	8 378 538	4 236 376	4 053 472
Amount applied (metric tons)...	17 964 137	123 415	1 447 311	1 875 789	5 716 203	3 904 051	2 343 970	1 157 479	1 395 919
Lime or liming materials used dur- ing the year									
Number of holdings reporting...	454 223	5 059	48 496	76 634	200 892	87 426	27 306	5 909	2 501
Area	4 127 395	7 101	156 561	369 182	1 550 735	1 081 109	548 752	205 529	208 426
Amount applied (metric tons)...	17 387 643	23 637	516 554	1 441 541	6 908 920	4 932 558	2 265 901	725 432	573 100

⁷ Excluding Alaska and Hawaii. ⁸ Excluding Alaska.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1959¹

UNITED STATES OF AMERICA

	1950	1959		1950	1959
0 - HOLDER, HOLDING AND TENURE			2 - CROPS - AREA AND PRODUCTION		
Number and area of holdings, by size			Crops on arable land		
All sizes of holdings			Wheat (total)		
Number	5 388 437	3 710 503	Number of holdings reporting	1 147 741	931 195
Area	470 498 324 ²	454 661 045	Area	28 798 350	20 058 743
Of which:			Production	27 394 661	28 738 041
Holdings 4.0 and under 20.2 ha			Winter wheat		
Number	1 479 596	813 216	Number of holdings reporting	93 300	767 388
Area	15 932 944 ²	8 842 148	Area	(20 569 271)	(15 301 515)
Holdings 20.2 and under 40.5 ha			Production	(21 340 337)	(23 584 992)
Number	1 048 075	657 990	Spring wheat		
Area	30 612 749 ²	19 404 267	Number of holdings reporting	215 441	163 807
Holdings 40.5 and under 105.2 ha			Area	(8 229 079)	(4 757 228)
Number	1 590 296	1 186 983	Production	(6 054 324)	(5 153 049)
Area	103 352 666 ²	79 007 771	Rye		
Holdings 105.2 and under 202.3 ha			Number of holdings reporting	78 940	67 210
Number	478 170	471 547	Area	573 814	563 344
Area	68 368 377 ²	66 949 458	Production	420 717	553 968
Holdings 202.3 and under 404.7 ha			Rice		
Number	182 297	200 012	Number of holdings reporting	10 972	10 445
Area	50 948 794 ²	55 583 376	Area	736 219	654 383
Holdings 404.7 ha and over			Production	1 825 784	2 467 735
Number	121 473	136 427	Sorghum harvested for grain or seed		
Area	200 258 187 ²	224 448 122	Number of holdings reporting	142 036	223 388
Number and area of holdings, by tenure			Area	2 559 505	5 892 385
Holdings operated under one form of tenure			Production	3 577 348	12 907 498
Owned by the holder or in ownerlike possession			Maize harvested for grain		
Number	3 091 666	2 118 783	Number of holdings reporting	3 202 407	1 989 622
Area	169 604 887	140 214 781 ²	Area	30 404 994	28 353 888
Rented from others			Production	70 569 245	93 912 348
Number	1 447 455	759 973	Barley		
Area	85 874 626	66 053 188 ²	Number of holdings reporting	296 645	290 238
Holdings operated under more than one form of tenure			Area	3 715 026	5 746 177
Number	825 670	811 079	Production	4 810 811	8 672 040
Area	171 103 412	203 829 982 ²	Oats		
Holdings operated by managers			Number of holdings reporting	1 391 348	1 026 858
Number	23 646	20 668	Area	14 303 151	10 753 490
Area	43 420 408	44 510 682 ²	Production	16 498 527	14 530 858
Area in holdings, by tenure			Soybeans harvested for beans		
Owned by the holder or in ownerlike possession			Number of holdings reporting	369 780	499 710
Rented from others			Area	4 106 596	8 935 272
Operated by managers			Production	5 781 763	14 033 330
	261 298 098	249 280 923 ²	Dry field and seed beans		
	165 284 826	160 817 028 ²	Number of holdings reporting	67 475	34 628
	43 420 408	44 510 682 ²	Area	720 196	572 283
			Production	871 936	865 783
			Potatoes		
			Number of holdings reporting	1 650 272	684 853
			Area	613 184	485 790
			Production	9 975 451	10 167 003
			Sugarcane for sugar or for sale to mills		
			Number of holdings reporting	6 183	3 079
			Area	173 104	165 273
			Production	12 872 632	15 029 984
			Sugar beet		
			Number of holdings reporting	27 867	23 743
			Area	267 703	368 986
			Production	9 021 012	15 260 300
1 - LAND UTILIZATION					
Utilization of land in holdings (area)					
Cropland	193 564 572	181 331 985			
Permanent meadows and pastures	168 671 602	188 671 853			
Wood or forest land (total)	89 256 425	66 450 192			
Pastured	(54 685 862)	(37 460 509)			
Not pastured	(34 570 563)	(28 989 683)			
All other land	18 510 753	18 207 015			

¹ Because of changes in the definition of holding, the data for 1950 and 1959 are not fully comparable. ² Data obtained by sampling enumeration or tabulation.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1959¹

UNITED STATES OF AMERICA

	1950	1959		1950	1959
Cotton			Peaches		
Number of holdings reporting.	1 110 876	509 540	Number of holdings reporting.	1 102 250 ⁴	144 417
Area	10 764 190	5 928 264	Total number of trees	54 461 132	40 226 946
Production	3 497 071	3 155 513	Trees of productive age	(41 053 488)	(31 054 987)
			Trees of nonproductive age .	(13 407 644)	(9 171 959)
Groundnuts (peanuts) for all purposes			Production	1 207 419	1 496 920
Number of holdings reporting.	225 191	104 331	Plums and prunes		
Area	1 102 944	594 164	Number of holdings reporting.	573 039 ⁴	86 651
Tobacco			Total number of trees	19 164 446	15 446 788
Number of holdings reporting.	531 922	416 634	Trees of productive age	(15 912 599)	(11 613 787)
Area	620 090	448 496	Trees of nonproductive age .	(3 251 847)	(3 833 001)
Production	802 750	746 842	Production	515 622	477 245
Alfalfa cut for hay and for dehydrating			Grapes		
Number of holdings reporting.	984 830	970 432	Number of holdings reporting.	747 794 ⁴	111 541
Area	6 641 599	10 565 158	Total number of vines	294 465 260	272 067 767
Production	31 981 777	54 313 892	Vines of productive age	(272 356 948)	(244 484 937)
Clover or timothy (alone or mixed) cut for hay			Vines of nonproductive age .	(22 108 312)	(27 582 830)
Number of holdings reporting.	1 032 833	641 224	Production	2 276 412	2 740 794
Area	7 509 721	5 681 804			
Production	21 733 019	20 015 390	3 - LIVESTOCK AND POULTRY		
Lespedeza cut for hay			Cattle		
Number of holdings reporting.	624 057	247 981	Number of holdings reporting ..	4 065 163	2 674 176
Area	2 804 090	1 249 914	Number of cattle	76 920 436	92 534 082
Production	7 197 201	3 413 902	Sheep		
Sorghum cut for silage			Number of holdings reporting...	320 351	341 952
Number of holdings reporting.	27 084	58 305	Number of sheep	31 406 360	33 944 513
Area	195 000	530 875	Pigs		
Production	3 055 662	10 151 402	Number of holdings reporting...	3 013 549	1 848 784
Maize cut for silage			Number of pigs	55 788 613	67 949 259
Number of holdings reporting.	424 779	422 874	Poultry		
Area	1 754 920	2 763 346	Chickens		
Production	34 478 844	51 770 223	4 months of age and over		
Permanent crops ³			Number of holdings reporting	4 218 857	2 172 264
Oranges (including satsumas, tangerines, mandarins)			Number of chickens	342 956 055	351 029 294
Total number of trees	45 843 517	54 094 520	6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
Trees of productive age	(38 985 810)	(40 236 173)	Selected agricultural equipment on the holding		
Trees of nonproductive age .	(6 857 707)	(13 858 347)	Tractors		
Production	3 398 519	4 854 258	Number of holdings reporting.	2 526 421 ²	2 679 561 ²
Lemons			Number of tractors	3 612 325 ²	5 138 921 ²
Number of holdings reporting.	14 542	10 894	Combines (harvester-threshers)		
Total number of trees	6 050 298	7 293 681	Number of holdings reporting.	665 378 ^{2,5}	974 735 ²
Trees of productive age	(5 340 485)	(6 180 487)	Number of combines	713 633 ^{2,5}	1 041 553 ²
Trees of nonproductive age .	(709 813)	(1 113 194)	Maize-pickers ⁵		
Production	446 228	731 360	Number of holdings reporting.	447 387 ²	766 948 ²
Grapefruit			Number of maize-pickers	455 519 ²	792 379 ²
Number of holdings reporting.	25 308	20 038	Pick-up balers		
Total number of trees	12 891 813	11 595 305	Number of holdings reporting.	191 658 ^{2,5}	669 540 ²
Trees of productive age	(9 975 754)	(9 371 925)	Number of pick-up balers	195 858 ^{2,5}	679 776 ²
Trees of nonproductive age .	(2 916 059)	(2 223 380)	Motortrucks		
Production	1 056 252	1 352 549	Number of holdings reporting.	1 843 107 ²	2 177 080 ²
Apples			Number of motortrucks	2 213 725 ²	2 833 763 ²
Number of holdings reporting.	1 556 733	184 613	Automobiles		
Total number of trees	50 586 562	28 981 444	Number of holdings reporting.	3 393 011 ²	2 956 713 ²
Trees of productive age	(39 497 537)	(20 264 949)	Number of automobiles	4 204 194 ²	3 635 419 ²
Trees of nonproductive age .	(11 089 025)	(8 716 495)			
Production	2 857 638	2 625 920			
Pears					
Number of holdings reporting.	841 427 ⁴	134 762			
Total number of trees	12 357 081	10 524 176			
Trees of productive age	(10 116 536)	(7 665 414)			
Trees of nonproductive age .	(2 240 545)	(2 858 762)			
Production	597 854	606 493			

¹ Because of changes in the definition of holding, the data for 1950 and 1959 are not fully comparable. ² Data obtained by sampling enumeration or tabulation. ³ Excludes holdings reporting less than 20 trees or grapevines. ⁴ Includes some duplication. ⁵ Excluding data for Alaska and Hawaii.

Date of the census and time reference

The agricultural census consisted of a sample census of farm households and a complete enumeration of tea, rubber and coffee estates. The enumeration of the sample census started in September 1960 and was finished during November 1960. The enumeration of estates was conducted from April to November 1961.

Certain data, for instance, on livestock and poultry, farm population, etc., refer to the date of the census. Data on crops represent the situation during the census year, while data on production refer to the year preceding the census.

Method of collection and processing of census data

The sample census was carried out in two phases: the first comprised the enumeration of 13 provinces in the southwest delta, and the second, the enumeration of 5 provinces in the east delta and 9 in the central delta.

The frame for the sample census was constituted by provincial lists showing the names of districts, villages, hamlets, the number of households and inhabitants in each hamlet.

Hamlets were considered as primary units and approximately 1,600 were selected at random from the above-mentioned lists. From each hamlet, 40 households (secondary units) were systematically selected by the enumerators.

After training, enumerators were provided with questionnaires, names and addresses of selected heads of households and cards for recording rice yields. Generally, after a period of 7 to 10 days, enumerators completed their interviews, including rice field measurements, and submitted the census questionnaires to supervisors. If ques-

tionnaires were properly filled out they were sent to the central office for mechanical tabulation, otherwise a new interview was carried out.

The complete enumeration of tea, coffee and rubber estates (excluded from the farm household census even if they were selected) was conducted by statistical officers except in the Provinces of Lam-Dong, Tuyen-Duc and Long-Khanh where enumerators were hired for interviewing. In other cases, however, postal questionnaires were sent to the estates, which were enumerated in one month.

Questionnaires were checked and processed at the central office by manual methods.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

The definitions and concepts used for the farm household sample census and the census of estates were not always the same. Differences, if any, are specifically indicated below.

Holder

The holder was defined as the civil or juridical person who has the initiative and the responsibility for the technical and economic operation of the holding. He may operate the holding directly or through a hired manager. In the case of several persons sharing this responsibility, they were considered as one holder.

Holding

Data on holdings in the case of the farm household census were collected through the household, which was identified as a farm household if the head of the household used land of at least 0.1 ha in extent for agricultural production or kept at least one cow, one ox, a buffalo, a pig or thirty fowls (hens, cocks, ducks). Estab-

¹ The farm households' sample census excluded the Provinces of Binh-Long, Binh-Tuy, Phuoc-Thanh and Phuoc-Long.

VIET-NAM, REPUBLIC OF

lishments producing exclusively forest products, fish, rabbits, beehives or pigeons, etc., were not considered as agricultural holdings. Livestock or poultry kept for agricultural purposes, without agricultural land, was considered as an agricultural holding. Agricultural production included the growing of food and industrial crops (except forest trees), fruit, nuts, seeds, tree nurseries, ornamental plants, flowers, vegetables, and the production of animal products.

A holding (or estate), in the case of the census of estates, was defined as one or several parcels of land, whether contiguous or not, provided it formed part of the same technical unit and was used for agricultural production and operated by one person (the holder) or with the help of other persons (members of his family, workers, etc.).

In the case of several farm units or estates owned by the same person and under the same general direction, but each of them directly operated by a different person (a member of the family, a hired manager, etc.), each unit was considered as a separate holding.

Tenure

Area owned by the holder or in ownerlike possession includes all areas operated by a holder who is the owner of the land.

Area rented from others includes the area rented for a fixed amount of money, a fixed amount of produce or both, or a part of the produce or its equivalent in money.

Area under other forms of tenure includes the area rented in exchange for services, rent free or under communal or tribal forms of tenure.

1 - LAND UTILIZATION

Arable land

Arable land includes land under temporary crops, that is, crops planted during the census year, but whose duration is less than one year — even sometimes only a few months; the crops must be replaced after each harvest. Crops whose growing cycle is more than one year, but the harvest destroys them, as, for instance, manioc, were

considered as temporary crops. Strawberries were included in this category, but only those used for commercial purposes were recorded.

Land under permanent crops

This includes those crops occupying the land for a long period of time before they need to be planted again (for example, oranges, mangoes, coffee, rubber, etc.). Forest trees are excluded from this category.

All other land

This includes areas of abandoned land, buildings, roads, forests and land not included in any of the previous categories.

2 - CROPS

In the case of crops cultivated simultaneously in the same land, the area of each crop was estimated separately.

3 - LIVESTOCK AND POULTRY

Data for the census of estates refer to the number of animals found on the holding at the date of the census. For the farm-household census, animals owned by the holder were enumerated, including those:

- (a) in transit outside the holding at the time of the enumeration;
- (b) on other agricultural holdings at the time of the enumeration;
- (c) grazing on open land or on uncultivated land not belonging to any holding.

Animals belonging to more than one holding were enumerated in the place where they were kept the night before the date of the census.

4 - EMPLOYMENT IN AGRICULTURE

Data were collected only for estates, including persons doing agricultural work, e.g., cropping, harvesting, care of crops, but excluding persons doing office work or working in laboratories or factories. Permanent workers include those with or without a working contract.

VIET-NAM, REPUBLIC OF

5 - FARM POPULATION

Data refer only to farm households. Farm population includes all persons living together under the same roof and taking their meals with the holder's family. Persons who do not take their meals with the holder's family were not considered as part of the holder's household.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data refer to the number of tractors on estates as at 15 February 1961.

7 - IRRIGATION AND DRAINAGE

Area irrigated was defined as the area of land provided with water other than rain for purposes

of agricultural production. In the case of farm households, the area of irrigated rice fields was considered as the area irrigated.

8 - FERTILIZERS AND SOIL DRESSINGS

For farm households, figures refer to the holdings reporting the use of fertilizers during the year preceding the census. For estates, data refer to the amount of fertilizers and soil dressings applied during the year 1960.

* * *

SOURCE: République du Viet-Nam. Secrétariat d'Etat aux affaires rurales, Service de la statistique et de l'économie agricole. *Recensement de l'agriculture au Viet-Nam, 1960/1961.*

Area: in hectares
Production: in metric tons
(unless otherwise specified)

VIET-NAM, REPUBLIC OF
Farm households
Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	1 892 789
Area	2 511 783

Number and area of holdings, by tenure

Holdings operated under one form of tenure

Holdings owned by the holder or in ownerlike possession

Number	447 915
Area	557 559

Holdings rented from others

Number	596 076
Area	765 581

Holdings operated under other single forms of tenure

Number	89 491
Area	28 630

Holdings operated under more than one form of tenure

Number	738 328
Area	1 160 013

Area in holdings, by tenure

Owned by the holder or in ownerlike possession	986 354
Rented from others	1 461 562
Under other forms of tenure	63 867

1 - LAND UTILIZATION

Utilization of land in holdings (area)

Arable land	2 191 777
Land under permanent crops	114 111
All other land	205 895

2 - CROPS¹ - AREA AND PRODUCTION

Crops on arable land

Rice

Number of holdings reporting	1 396 020
Area	2 205 696

Of which:

Paddy fields	2 010 571
Production	4 831 492

Maize

Area	25 202
Production	24 295

Soybeans

Area	4 905
Production	3 340

Manioc (cassava)

Area	40 957
Production	286 725

Sweet potatoes

Area	34 459
Production	217 892

Sugarcane

Area	41 276
Production	1 315 976

Cotton

Area	641
Production	403

Groundnuts (peanuts)

Area	18 306
Production	16 876

Tobacco

Area	11 752
Production	8 871

Vegetables and flowers

Area	14 248
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Other crops on arable land

Area	21 436
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Permanent crops

Bananas

Area in compact plantations	28 969
Number of scattered trees	29 759 000
Production	469 944

Pineapples

Area	8 584
Production	47 173

Other fruit trees

Area in compact plantations	32 021
Number of scattered trees	10 385 000

Peppers

Area in compact plantations	107
Number of scattered plants	157 000
Production	125

Coffee

Area (total)	1 024
Under trees of productive age	(178)
Under trees of nonproductive age	(846)

Tea

Area (total)	1 975
Under trees of productive age	(750)
Under trees of nonproductive age	(1 225)

Coconuts

In compact plantations	
Area (total)	33 333
Under trees of productive age	(22 850)
Under trees of nonproductive age	(10 483)
Number of scattered trees	6 268 000
Production (thousand nuts)	189 547

Rubber

Area	26
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Other permanent crops

Area in compact plantations	16 656
Number of scattered trees	8 908 000

3 - LIVESTOCK AND POULTRY

Cattle

Total number of cattle	1 033 500
Male	(577 900)
Of which:	
Castrated animals	(277 300)
Female	(455 600)

¹ Excludes information on 20,979 holdings without agricultural land.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

VIET-NAM, REPUBLIC OF
Farm households
Not classified by size of holding

Buffaloes

Total number of buffaloes.....	707 900
Male	(328 900)
Of which:	
Castrated animals	(93 900)
Female	(379 000)

Pigs

Number of holdings reporting	1 469 678
Total number of pigs	3 472 300
Under 2 months of age	(1 265 800)
2 months of age and over	(2 206 500)
Pigs for fattening	(1 747 600)
Sows	(424 400)
Boars	(34 500)

Poultry

Chickens

Number of holdings reporting	1 464 507
Total number of chickens	16 322 000
Under 3 months of age	(9 823 000)
3 months of age and over	(6 499 000)

Ducks

Number of holdings reporting	669 150
Total number of ducks	9 887 000
Under 3 months of age	(4 831 000)
3 months of age and over	(5 056 000)

5 - FARM POPULATION

Holders and members of the holder's household

All persons	10 033 288
Under 15 years of age	(4 650 947)
15 years of age and over	(5 382 341)

7 - IRRIGATION AND DRAINAGE

Area of paddy land actually irrigated	517 674
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8 - FERTILIZERS AND SOIL DRESSINGS

Application of organic and inorganic fertilizers

Number of holdings reporting the use of:	
Farmyard manure	608 042
Green manure	74 417
Chemical fertilizers	386 853
Other fertilizers	123 405

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY

	All sizes of holdings	Holdings without agricultural land	Under 0.1 ha	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha
0 - HOLDER, HOLDING AND TENURE						
Number and area of holdings						
Number.....	1 892 789	20 979	256 722	435 409	354 935	411 417
Percentage distribution.....	100.0	1.1	13.6	23.0	18.8	21.7
Area.....	2 511 783	—	8 680	114 299	238 036	537 305
Percentage distribution.....	100.0	—	0.3	4.6	9.5	21.4
Number and area of holdings, by tenure						
Holdings operated under one form of tenure						
Holdings owned by the holder or in ownerlike possession						
Number.....	447 915	—	55 121	137 972	85 232	83 037
Area.....	557 559	—	2 144	34 914	57 142	105 788
Holdings rented from others						
Number.....	596 076	—	125 181	105 069	88 276	140 053
Area.....	765 581	—	3 990	23 666	58 284	180 909
Holdings operated under other single forms of tenure						
Number.....	89 491	—	56 386	17 393	5 646	6 678
Area.....	28 630	—	1 484	3 491	3 427	8 248
Holdings operated under more than one form of tenure						
Number.....	738 328	—	20 034	174 975	175 781	181 649
Area.....	1 160 013	—	1 062	52 228	119 184	242 360
Area in holdings, by tenure						
Owned by the holder or in ownerlike possession	986 354	—	2 575	57 879	110 882	202 529
Rented from others	1 461 562	—	4 464	48 666	117 565	316 843
Under other forms of tenure	63 867	—	1 641	7 754	9 589	17 933
1 - LAND UTILIZATION						
Utilization of land in holdings (area)						
Arable land.....	2 191 777	—	1 926	78 246	196 018	467 324
Land under permanent crops.....	114 111	—	535	12 083	15 853	28 057
All other land.....	205 895	—	6 219	23 970	26 166	41 924
2 - CROPS - AREA						
Crops on arable land						
Rice						
Number of holdings reporting.....	1 396 020	—	26 664	270 967	316 199	386 558
Area of paddy fields.....	2 010 571	—	1 206	53 079	158 232	417 193
3 - LIVESTOCK AND POULTRY						
Pigs						
Number of holdings reporting.....	1 469 678	18 812	236 765	317 891	265 277	314 170
Total number of pigs.....	3 472 300	51 892	582 625	632 791	546 274	717 814
Under 2 months of age.....	(1 265 800)	(13 943)	(209 945)	(212 139)	(177 733)	(256 859)
2 months of age and over.....	(2 206 500)	(37 949)	(372 680)	(420 652)	(368 541)	(460 955)
Pigs for fattening.....	(1 747 600)	(32 476)	(300 945)	(343 253)	(296 714)	(364 535)
Sows.....	(424 400)	(4 477)	(65 760)	(71 410)	(65 747)	(89 741)
Boars.....	(34 500)	(996)	(5 975)	(5 989)	(6 080)	(6 679)
Poultry						
Chickens						
Number of holdings reporting.....	1 464 507	12 155	175 590	326 702	285 402	333 600
Total number of chickens.....	16 322 000	157 813	1 800 752	2 878 643	2 848 629	3 890 034
Under 3 months of age.....	(9 823 000)	(97 282)	(1 086 276)	(1 719 789)	(1 698 974)	(2 366 262)
3 months of age and over.....	(6 499 000)	(60 531)	(714 476)	(1 158 854)	(1 149 655)	(1 523 772)
Ducks						
Number of holdings reporting.....	669 150	5 286	66 780	94 810	109 004	173 573
Total number of ducks.....	9 887 000	77 882	1 012 254	1 137 707	1 325 595	2 440 298
Under 3 months of age.....	(4 831 000)	(25 300)	(566 820)	(516 325)	(676 946)	(1 220 791)
3 months of age and over.....	(5 056 000)	(52 582)	(445 434)	(621 382)	(648 649)	(1 219 507)

VIET-NAM, REPUBLIC OF

Farm households

Classified by size of holding

TOTAL AREA OF HOLDINGS

2 and under 3 ha	3 and under 5 ha	5 and under 10 ha	10 and under 50 ha	50 and under 100 ha	100 ha and over	
						0 - HOLDER, HOLDING AND TENURE
						Number and area of holdings
182 455	143 249	69 968	17 326	258	71	Number
9.6	7.6	3.7	0.9	—	—	Percentage distribution
407 138	497 667	442 624	236 512	17 647	11 875	Area
16.2	19.8	17.6	9.4	0.7	0.5	Percentage distribution
						Number and area of holdings, by tenure
						Holdings operated under one form of tenure
						Holdings owned by the holder or in ownerlike possession
36 635	33 071	13 052	3 562	162	71	Number
84 615	115 534	81 133	50 432	13 982	11 875	Area
						Holdings rented from others
64 744	46 746	21 762	4 245	—	—	Number
146 671	162 875	133 046	56 140	—	—	Area
						Holdings operated under other single forms of tenure
1 994	997	351	46	—	—	Number
4 374	3 677	2 499	1 430	—	—	Area
						Holdings operated under more than one form of tenure
79 082	62 435	34 803	9 473	96	—	Number
171 477	215 581	225 946	128 510	3 665	—	Area
						Area in holdings by tenure
149 913	187 681	153 564	91 842	17 614	11 875	Owned by the holder or in ownerlike possession
247 785	301 100	283 103	142 003	33	—	Rented from others
9 440	8 886	5 957	2 667	—	—	Under other forms of tenure
						1 - LAND UTILIZATION
						Utilization of land in holdings (area)
362 482	456 346	406 912	211 854	8 938	1 731	Arable land
20 089	18 009	14 691	4 680	58	56	Land under permanent crops
24 566	23 312	21 021	19 978	8 651	10 088	All other land
						2 - CROPS - AREA
						Crops on arable land
						Rice
173 106	137 089		85 437			Number of holdings reporting
335 564	431 267	396 284	207 089	8 847	1 810	Area of paddy fields
						3 - LIVESTOCK AND POULTRY
						Pigs
138 591	110 373	54 231	13 227	261	80	Number of holdings reporting
391 560	342 082	167 219	39 405	408	225	Total number of pigs
(169 841)	(144 864)	(65 879)	(14 514)	(—)	(83)	Under 2 months of age
(221 722)	(197 219)	(101 340)	(24 892)	(408)	(142)	2 months of age and over
(168 309)	(146 862)	(75 478)	(18 591)	(327)	(110)	Pigs for fattening
(50 125)	(46 381)	(24 768)	(5 878)	(81)	(32)	Sows
(3 288)	(3 976)	(1 094)	(423)	(—)	(—)	Boars
						Poultry
						Chickens
146 133	113 060	57 702	14 059	76	28	Number of holdings reporting
1 973 112	1 709 199	852 456	208 557	2 208	597	Total number of chickens
(1 186 605)	(1 017 016)	(521 490)	(127 483)	(1 680)	(143)	Under 3 months of age
(786 507)	(692 182)	(330 967)	(81 074)	(528)	(454)	3 months of age and over
						Ducks
91 540	76 880	40 751	10 439	59	28	Number of holdings reporting
1 614 497	1 470 702	656 763	150 597	251	454	Total number of ducks
(761 550)	(696 123)	(292 731)	(74 251)	(—)	(163)	Under 3 months of age
(852 947)	(774 579)	(364 032)	(76 346)	(251)	(291)	3 months of age and over

Area: in hectares
Production: in metric tons
(unless otherwise specified)

VIET-NAM, REPUBLIC OF
Estates
Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	4 329
Area	237 385

Legal status of the holder

Holdings operated by:

Civil persons

Number	4 185
Area	62 257

Corporations

Number	112
Area	164 616

Co-operatives

Number	15
Area	4 504

Other

Number	17
Area	6 008

Area in holdings, by tenure

Owned by the holder or in ownerlike possession	216 254
Rented from others	8 693
Under other forms of tenure	12 438

1 - LAND UTILIZATION

Utilization of land in holdings (area)

Arable land	1 269
Land under permanent crops	113 676
All other land	122 440

2 - CROPS - AREA AND PRODUCTION

Crops on arable land (area)

Rice	301
Maize	74
Soybeans	174
Manioc (cassava)	27
Sweet potatoes	176
Sugarcane	8
Groundnuts (peanuts)	81
Tobacco	44
Vegetables and flowers	46
Other crops on arable land	286

Permanent crops

Bananas

Area	168
Number of scattered trees	100 770

Pineapples

Area	51
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Other fruit trees

Area	567
Number of scattered trees	76 480

Black pepper

Area	28
Number of scattered trees	4 769

Coffee

Area (total)	7 743
Under trees of productive age	(4 403)
Under trees of nonproductive age	(3 340)
Production ¹	2 930

Tea

Area (total)	6 231
Under trees of productive age	(5 405)
Under trees of nonproductive age	(826)
Production ¹	4 526

Coconuts

Area	9
Number of scattered trees	1 916

Rubber

Area (total)	97 893
Under trees of productive age	(70 478)
Under trees of nonproductive age	(27 415)
Production ¹	77 560

Other permanent crops

Area	1 036
Number of scattered trees	25 125

3 - LIVESTOCK AND POULTRY

Cattle

Number of holdings reporting	171
Total number of cattle	2 747
Male	(913)
Female	(1 834)

Buffaloes

Number of holdings reporting	56
Total number of buffaloes	269
Male	(120)
Female	(149)

Pigs

Number of holdings reporting	1 150
Total number of pigs	4 220
Under 2 months of age	948
2 months of age and over	3 272
Pigs for fattening	(2 469)
Sows	(458)
Boars	(345)

Poultry

Chickens

Number of holdings reporting	1 786
Total number of chickens	30 015
Under 3 months of age	(16 787)
3 months of age and over	(13 228)

Ducks

Number of holdings reporting	337
Total number of ducks	3 314
Under 3 months of age	(1 576)
3 months of age and over	(1 738)

¹ Estimated production for 1960.

Area: in hectares
 Production: in metric tons
 (unless otherwise specified)

VIET-NAM, REPUBLIC OF
Estates
Not classified by size of holding

4 - EMPLOYMENT IN AGRICULTURE

Persons employed in agricultural work on the holding

Permanent workers in 1960.....	54 164
Temporary workers in December 1960.....	31 359

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Selected agricultural equipment on the holding

Tractors

Number of holdings reporting.....	297
Total number of tractors.....	698
Wheel tractors.....	(479)
Track-laying tractors.....	(219)

7 - IRRIGATION AND DRAINAGE

Area of land actually irrigated

Number of holdings reporting.....	280
Area.....	2 081

8 - FERTILIZERS AND SOIL DRESSINGS

Application of organic and inorganic fertilizers

Number of holdings reporting.....	1 435
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Fertilizers

Nitrogenous	
Amount applied (metric tons).....	4 081

Phosphate	
Amount applied (metric tons).....	2 745

Potash	
Amount applied (metric tons).....	3 620

Mixed chemicals	
Amount applied (metric tons).....	3 003

Other fertilizers	
Number of holdings reporting.....	90
Amount applied (metric tons).....	772

Application of soil dressings

Lime

Number of holdings reporting.....	40
Amount applied (metric tons).....	632

VIET-NAM, REPUBLIC OF
Estates

Area: in hectares
Production: in metric tons
(unless otherwise specified)

Classified by size of holding

	All sizes of holdings	0.1 and under 0.5 ha	0.5 and under 1 ha	1 and under 2 ha	2 and under 3 ha	3 and under 5 ha	5 and under 10 ha	10 and under 50 ha	50 and under 100 ha	100 and under 200 ha	200 and under 500 ha	500 and under 1000 ha	1000 and under 2500 ha	2500 ha and over
0 - HOLDER, HOLDING AND TENURE														
Number and area of holdings														
Number	4 329	594	747	1 057	532	373	254	430	112	76	83	27	17	27
Percentage distribution	100.0	13.7	17.2	24.3	12.3	8.6	5.9	9.9	2.6	1.8	1.9	0.7	0.4	0.7
Area	237 385	177	519	1 362	1 181	1 332	1 800	9 701	7 672	10 231	26 069	18 603	26 700	132 038
Percentage distribution	100.0	0.1	0.2	0.6	0.5	0.6	0.8	4.1	3.2	4.3	11.0	7.8	11.2	55.6
Legal status of the holder														
Holdings operated by:														
Civil persons														
Number	4 185	594	747	1 056	532	373	247	407	95	66	50	14	4	—
Area	62 257	177	519	1 361	1 181	1 332	1 763	9 023	6 477	8 970	16 558	9 538	5 358	—
Corporations														
Number	112	—	—	—	—	—	4	15	10	7	28	12	9	27
Area	164 616	—	—	—	—	—	17	446	674	942	7 806	8 067	14 626	132 038
Co-operatives														
Number	15	—	—	—	—	—	—	4	5	2	2	—	2	—
Area	4 504	—	—	—	—	—	—	86	385	218	705	—	3 110	—
Others														
Number	17	—	—	1	—	—	3	4	2	1	3	1	2	—
Area	6 008	—	—	1	—	—	20	146	136	101	1 000	998	3 606	—
Area in holdings, by tenure														
Owned by the holder or in ownerlike possession	216 254	39	163	637	627	777	1 239	7 388	6 547	9 568	23 344	16 002	24 791	125 132
Land rented from others	8 693	2	24	136	200	169	140	768	64	170	1 483	1 611	1 805	2 121
Under other forms of tenure	12 438	137	332	590	354	386	422	1 544	1 060	492	1 243	989	104	4 785
1 - LAND UTILIZATION														
Utilization of land in holdings (area)														
Arable land	1 269	6	45	157	169	162	79	104	15	44	73	2	319	94
Under permanent crops	113 676	143	392	958	758	902	1 195	6 021	4 122	5 244	10 433	6 499	11 584	65 425
All other land	122 440	29	82	247	254	269	527	3 574	3 534	4 943	15 563	12 102	14 797	66 519

VIRGIN ISLANDS (U.S.)

Date of the census and time reference

The enumeration for the agricultural census started on 1 April 1960, together with the population and housing censuses. It was completed during the month of April.

Data for area of holdings, land tenure, land utilization, fruit and nut trees, agricultural machinery, livestock and poultry, represent the situation existing at the time of the enumeration in each individual holding. Data for area and production of crops relate to the crops harvested during the crop year 1959.

Method of collection and processing of census data

The questionnaire which enumerators used for taking the 1960 census of population and housing contained the question: "Is this house on a farm?" If the answer was positive the enumerator knew immediately that an agricultural questionnaire was required for the holder. If it was negative, he was instructed to ascertain whether the place consisted of three or more acres. An affirmative answer indicated that an agricultural questionnaire was necessary. If to the contrary, the enumerator was instructed to determine whether or not there were any agricultural operations on the place, and, if so, to obtain a questionnaire.

The enumerator was also instructed to procure details of tracts of land on which no one lived to determine whether an agricultural questionnaire was required for the person in charge of the land. This instruction was designed to assure enumeration of all land used for agriculture, whether operated by an individual, a partnership, a corporation or an institution.

After the completion of the enumeration, all census questionnaires were sent to the Agriculture Operations Office in Parsons, Kansas (U.S.A.). There, questionnaires that did not represent hold-

ings, according to the census definition, were withdrawn from further processing.

Scope and definition of items

0 - HOLDER, HOLDING AND TENURE

Holder

This term designates the person who operates a holding, either doing the work himself or directly supervising it. In the case of a partnership, only one partner was counted as a holder.

Holding

All "places" of 3 or more acres were counted as holdings if any agricultural operations were conducted. "Places" of less than 3 acres were counted as holdings if 1959 sales of agricultural products amounted to at least \$100 or if they could normally be expected to produce agricultural products in sufficient quantity to allow sales of at least \$100. This additional qualification resulted in the inclusion as holdings of some "places" engaged in farming operations for the first time in 1959 or 1960, and "places" affected by crop failure or other unusual conditions. The word "place" designates all land in the Virgin Islands under the control or supervision of one person or partnership. Control may have been exercised through ownership or management, or through a lease, rental or cropping arrangement. For census purposes, agricultural operations were considered to be on a "place" if:

- (a) one or more horses, cattle, pigs, sheep, or goats were kept at the time of the enumeration;
- (b) a combined total of 10 or more chickens, turkeys, ducks, geese, or other poultry was kept at the time of enumeration, or had been kept on the "place" in 1959;

VIRGIN ISLANDS (U.S.)

- (c) a combined total of 10 or more fruit or nut trees and plants was there at the time of enumeration;
- (d) any field crop, such as maize, sugarcane, or yams, was harvested on the "place" in 1959;
- (e) any vegetables, flowers, ornamental plants, trees, seeds, or bulbs, were growing there for sale in 1959.

Total area of the holding. Except for managed holdings, the land to be included in each holding was determined by the answers regarding the area owned, the area rented from others or worked on shares for others, and the area rented to others or worked on shares by others. The area owned and the area rented from others or worked on shares for others were first added together and then the area rented to others or worked on shares by others was subtracted. The result represented the total area of the holding. The area in a managed holding was the difference between the total area managed and that part of the managed land that was rented to others or worked on shares by others.

Tenure

Area owned by the holder or in ownerlike possession includes all land that the operator and/or his wife held under title, purchase contract, homestead law, or as heir or trustee of an undivided estate at the time of the enumeration.

Area rented from others includes land that the holder rented or leased from others, land he had operated on shares for others and land he occupied rent free.

Area operated by managers includes all land managed for one or more employers by a person hired on a salary or wage basis. The form of tenure of the area managed is not known.

1 - LAND UTILIZATION

Data refer to the way in which the land was used in 1959.

Cropland

This includes all land from which any crops were harvested in 1959, land in temporary and permanent crops, and land used for nursery products grown for sale. Land from which no crops were harvested in 1959, but which was occupied by growing crops intended for harvest in 1960 or later, was classified as cropland. This category also includes land used only for pasture or grazing that the holder considered could have been used for crops without additional clearing or irrigating, land on which crops failed and land lying idle throughout 1959.

Land under permanent meadows and pastures

This includes all land used for pasture or grazing in 1959, excluding that considered as cropland or wood or forest land. Permanent open pasture may have been reported either for cropland or for this item depending on whether or not the holder considered it as cropland.

Wood or forest land

This includes all land with wood or timber tracts, natural or planted, and cutover land with young growth which has, or will have, value as wood or timber. Wood or forest land has been divided into woodland grazed (where livestock pastured or grazed in 1959) and woodland not grazed (land not used for pasture or grazing in 1959).

All other land

This includes all land not comprised in the previous land utilization classes, such as the area occupied by houses and buildings, lanes, roads, ditches, land area of ponds and wasteland.

2 - CROPS

When two or more crops, or two or more plantings of the same crop, were harvested from the same land in 1959, the area was to be reported for each separate crop or planting. In the

VIRGIN ISLANDS (U.S.)

case of temporary crops, the area from which an individual crop was harvested was asked only if the quantity harvested amounted to 200 pounds (90.7 kg) or more.

The area reported for vegetables relates only to that harvested for sale.

3 - LIVESTOCK AND POULTRY

Data refer to all livestock and poultry found on the holding at the time of enumeration, regardless of ownership. Livestock running loose on unfenced land was to be reported as being on the holding where the person in control had his headquarters.

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Data on agricultural machinery refer to the number of each item found on the holdings at the time of enumeration, regardless of ownership.

* * *

SOURCE: United States. Department of Commerce, Bureau of the Census. *United States census of agriculture 1959. Virgin Islands, municipalities*. Volume 1, Part 54, *Virgin Islands*. For data on 1950, see *Report on the 1950 world census of agriculture*, Volume 1, *Census results by countries*, Food and Agriculture Organization of the United Nations, Rome, 1955.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

VIRGIN ISLANDS (U.S.)

Not classified by size of holding

0 - HOLDER, HOLDING AND TENURE

Number and area of holdings

Number	501
Area	17 831

Mode of operation of holdings

Operated by the holder

Number	482
Area	10 976

Operated through a hired manager

Number	19
Area	6 855

Age of the holder

Total number of holders reporting	488
Number of holders	
Under 35 years of age	(36)
35-44 years of age	(87)
45-54 years of age	(132)
55-64 years of age	(120)
65 years of age and over	(113)

Number and area of holdings, by tenure

Holdings operated under one form of tenure

Holdings owned by the holder or in owner-like possession

Number	386
Area	9 036

Holdings rented from others

Number	69
Area	1 172

Holdings operated under more than one form of tenure

Number	27
Area	768

Holdings operated by managers

Number	19
Area	6 855

Area in holdings, by tenure

Area owned by the holder or in ownerlike possession	9 600
Area rented from others	1 376
Area operated by managers	6 855

1 - LAND UTILIZATION

Utilization of land in holdings

Cropland

Area	4 574
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Permanent meadows and pastures

Number of holdings reporting	199
Area	6 867

Wood or forest land

Area (total)	5 078
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Grazed

Number of holdings reporting	81
Area	(1 826)

Not grazed

Number of holdings reporting	81
Area	(3 252)

All other land

Number of holdings reporting	396
Area	1 312

2 - CROPS - AREA AND PRODUCTION

Crops on arable land

Maize

Number of holdings reporting	31
Area	9
Production	4

Edible dry beans

Number of holdings reporting	12
Area	1
Production	1

Manioc (cassava)

Number of holdings reporting	24
Area	1
Production	1

Sweet potatoes

Number of holdings reporting	57
Area	18
Production	20

Cocoyams and yams

Area	11
Production	13

Sugarcane

Number of holdings reporting	144
Area	1 488
Production	94 837

Vegetables for home consumption

Number of holdings reporting	96
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Vegetables for sale

Number of holdings reporting	44
Area (total)	18

Cabbage

Number of holdings reporting	14
Area	(2)

Celery

Number of holdings reporting	14
Area	(1)

Squash

Number of holdings reporting	9
Area	—

Cucumbers

Number of holdings reporting	10
Area	(1)

Eggplants

Number of holdings reporting	26
Area	(2)

Okra

Number of holdings reporting	26
Area	(2)

Tomatoes

Number of holdings reporting	32
Area	(4)

Sweet peppers

Number of holdings reporting	33
Area	(2)

Onions

Number of holdings reporting	12
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Carrots

Number of holdings reporting	23
Area	(2)

Beans (green)

Number of holdings reporting	10
Area	(1)

Other vegetables for sale

Area	(2)
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Area: in hectares
Production: in metric tons
(unless otherwise specified)

VIRGIN ISLANDS (U.S.)

Not classified by size of holding

Permanent crops

Oranges

Number of holdings reporting	102
Total number of trees	1 356
Of productive age	(428)
Of nonproductive age	(928)
Production	2

Lemons and limes

Number of holdings reporting	223
Total number of trees	1 743
Of productive age	(1 193)
Of nonproductive age	(550)
Production	14

Grapefruit

Number of holdings reporting	60
Total number of trees	380
Of productive age	(118)
Of nonproductive age	(262)
Production	1

Mangoes

Number of holdings reporting	244
Total number of trees	4 000
Of productive age	(3 268)
Of nonproductive age	(732)
Number of fruit (in thousands)	173

Avocados

Number of holdings reporting	197
Total number of trees	2 810
Of productive age	(1 959)
Of nonproductive age	(851)
Number of fruit (in thousands)	38

Bananas

Number of holdings reporting	175
Total number of hills	29 769
Of productive age	(21 212)
Of nonproductive age	(8 557)
Number of bunches	20 539

Plantains

Number of holdings reporting	26
Total number of hills	2 085
Of productive age	(633)
Of nonproductive age	(1 452)
Number of bunches	401

Pineapples

Number of holdings reporting	54
Total number of plants	10 079
Of productive age	(5 705)
Of nonproductive age	(4 374)

Coconuts

Number of holdings reporting	191
Total number of trees	5 552
Of productive age	(3 105)
Of nonproductive age	(2 447)
Number of nuts (in thousands)	26

3 - LIVESTOCK AND POULTRY

Horses, mules and asses

Horses

Number of holdings reporting	144
Number of horses	431

Mules

Number of holdings reporting	37
Number of mules	51

Asses

Number of holdings reporting	88
Number of asses	138

Cattle

Number of holdings reporting	118
Total number of cattle	8 383

Cows¹

Number of holdings reporting	114
Number of cows	(3 867)

Calves under 3 months of age

Number of holdings reporting	74
Number of calves	(1 255)

Heifers and heifers in calf 3 months of age and over

Number of holdings reporting	82
Number of heifers	(1 920)

Bulls 3 months of age and over

Number of holdings reporting	78
Number of bulls	(1 341)

Sheep

Number of holdings reporting	93
Number of sheep	2 152

Goats

Number of holdings reporting	187
Number of goats	2 334

Pigs

Number of holdings reporting	184
Total number of pigs	1 297

Pigs under 4 months of age

Number of holdings reporting	94
Number of pigs	(624)

Pigs 4 months of age and over

Number of holdings reporting	159
Number of pigs	(673)

Poultry

Chickens 4 months of age and over

Number of holdings reporting	277
Number of chickens	17 598

Other poultry

Number of holdings reporting	54
Number of other poultry	698

6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Use and source of power on the holding²

Number of holdings reporting the use of:

Mechanical power only	111
Animal power only	59
Animal and mechanical power	24
Human power only	291

Selected agricultural equipment on the holding

Tractors

Number of holdings reporting	30
Number of tractors	125

Motor trucks

Number of holdings reporting	132
Number of motor trucks	229

Automobiles

Number of holdings reporting	170
Number of automobiles	256

¹ Includes heifers that have calved. ² Excluding 16 holdings not reporting as to use of mechanical or animal power.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

VIRGIN ISLANDS (U.S.)

Classified by size of holding

	All sizes of holdings	Under 1.2 ha	1.2 and under 4.0 ha	4.0 and under 8.1 ha	8.1 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 70.8 ha	70.8 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 ha and over
		Under 3 acres	3 and under 10 acres	10 and under 20 acres	20 and under 50 acres	50 and under 100 acres	100 and under 175 acres	175 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 acres and over
0 - HOLDER, HOLDING AND TENURE											
Number and area of holdings											
Number	501	56	199	87	57	42	18	10	13	10	9
Percentage distribution	100.0	11.2	39.7	17.3	11.4	8.4	3.6	2.0	2.6	2.0	1.8
Area	17 831	32	437	479	747	1 185	981	840	1 860	2 908	8 362
Percentage distribution	100.0	0.2	2.5	2.7	4.2	6.6	5.5	4.7	10.4	16.3	46.9
Age of the holder											
Total number of holders reporting	488	55	194	84	56	41	17	10	13	9	9
Number of holders											
Under 35 years of age	(36)	(7)	(11)	(6)	(5)	(3)	(1)	(—)	(3)	(—)	(—)
35-44 years of age	(87)	(13)	(32)	(11)	(11)	(7)	(1)	(3)	(5)	(2)	(2)
45-54 years of age	(132)	(11)	(58)	(23)	(10)	(12)	(4)	(4)	(2)	(4)	(4)
55-64 years of age	(120)	(11)	(45)	(22)	(18)	(8)	(7)	(2)	(1)	(3)	(3)
65 years of age and over	(113)	(13)	(48)	(22)	(12)	(11)	(4)	(1)	(2)	(—)	(—)
1 - LAND UTILIZATION											
Utilization of land in holdings											
Cropland											
Area	4 574	13	193	202	230	399	271	155	356	528	2 227
Permanent meadows and pastures											
Number of holdings reporting..	199	4	48	40	29	30	13	8	11	9	7
Area	6 867	2	68	123	228	424	454	578	825	1 638	2 527
Wood or forest land											
Area (total)	5 078	1	48	73	152	232	149	6	455	492	3 470
Grazed											
Number of holdings reporting	81	3	25	15	12	11	4	1	5	1	4
Area	(1 826)	(1)	(28)	(33)	(61)	(90)	(40)	(6)	(374)	(87)	(1 106)
Not grazed											
Number of holdings reporting	81	—	19	14	15	13	6	—	4	3	7
Area	(3 252)	(—)	(20)	(40)	(91)	(142)	(109)	(—)	(81)	(405)	(2 364)
All other land											
Number of holdings reporting...	396	34	152	69	51	42	13	6	10	10	9
Area	1 312	16	128	81	137	130	107	101	224	250	138
2 - CROPS, AREA AND PRODUCTION											
Crops on arable land											
Sugarcane											
Number of holdings reporting..	144	18	63	28	10	16	3	1	2	1	2
Area	1 488	9	78	44	27	201	22	8	100	111	888
Production	94 837	204	2 085	1 553	1 028	9 855	1 659	272	7 100	8 008	63 073
3 - LIVESTOCK AND POULTRY											
Horses, mules and asses											
Horses											
Number of holdings reporting...	144	15	37	26	17	10	11	6	7	8	7
Number of horses	431	30	59	37	38	25	24	18	25	42	133
Mules											
Number of holdings reporting...	37	3	10	6	4	2	3	2	3	3	1
Number of mules	51	3	10	6	8	4	6	3	4	6	1
Asses											
Number of holdings reporting...	88	6	34	21	12	7	1	3	2	—	2
Number of asses	138	9	52	26	27	9	1	4	5	—	5

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SIZE CLASSIFICATION BY TOTAL AREA OF HOLDING

VIRGIN ISLANDS (U.S.)

Classified by size of holding

	All sizes of holdings	Under 1.2 ha	1.2 and under 4.0 ha	4.0 and under 8.1 ha	8.1 and under 20.2 ha	20.2 and under 40.5 ha	40.5 and under 70.8 ha	70.8 and under 105.2 ha	105.2 and under 202.3 ha	202.3 and under 404.7 ha	404.7 ha and over
		Under 3 acres	3 and under 10 acres	10 and under 20 acres	20 and under 50 acres	50 and under 100 acres	100 and under 175 acres	175 and under 260 acres	260 and under 500 acres	500 and under 1000 acres	1000 acres and over
Cattle											
Number of holdings reporting....	118	1	19	18	16	14	13	9	11	10	7
Total number of cattle	8 383	5	85	93	193	397	583	393	1 023	2 032	3 579
Cows ¹											
Number of holdings reporting	114	1	16	17	16	14	13	9	11	10	7
Number of cows	(3 867)	(5)	(47)	(44)	(97)	(194)	(255)	(188)	(576)	(1 069)	(1 392)
Calves under 3 months of age											
Number of holdings reporting.	74	—	5	10	6	10	12	7	10	8	6
Number of calves	(1 255)	(—)	(9)	(20)	(20)	(55)	(79)	(65)	(158)	(202)	(647)
Heifers and heifers in calf 3 months of age and over											
Number of holdings reporting.	82	—	9	10	10	13	10	5	9	9	7
Number of heifers	(1 920)	(—)	(19)	(18)	(42)	(87)	(88)	(76)	(205)	(423)	(962)
Bulls 3 months of age and over											
Number of holdings reporting.	78	—	6	6	10	13	12	6	9	10	6
Number of bulls	(1 341)	(—)	(10)	(11)	(34)	(61)	(161)	(64)	(84)	(338)	(578)
Sheep											
Number of holdings reporting.....	93	3	30	20	6	15	6	4	7	—	2
Number of sheep	2 152	23	411	135	158	343	117	390	492	—	83
Goats											
Number of holdings reporting.....	187	24	65	38	23	17	4	6	7	—	3
Number of goats	2 334	258	475	369	398	409	64	136	128	—	97
Pigs											
Number of holdings reporting.....	184	28	69	32	17	18	5	6	4	2	3
Total number of pigs	1 297	223	325	140	138	184	47	89	61	67	23
Pigs under 4 months of age											
Number of holdings reporting.	94	14	27	14	10	12	4	5	4	2	2
Number of pigs	(624)	(114)	(145)	(55)	(56)	(114)	(16)	(40)	(40)	(38)	(6)
Pigs 4 months of age and over											
Number of holdings reporting.	159	25	59	25	17	17	4	4	4	2	2
Number of pigs	(673)	(109)	(180)	(85)	(82)	(70)	(31)	(49)	(21)	(29)	(17)
Poultry											
Chickens 4 months of age and over											
Number of holdings reporting...	277	42	106	55	29	25	7	5	7	—	1
Number of chickens	17 598	1 041	7 803	2 318	660	5 293	223	67	179	—	14
Other poultry											
Number of holdings reporting...	54	7	19	13	2	4	1	2	5	—	1
Number of other poultry	698	131	227	191	7	20	5	17	72	—	28
6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES											
Selected agricultural equipment on the holding											
Tractors											
Number of holdings reporting...	30	—	2	1	2	8	3	2	3	3	6
Number of tractors	125	—	2	3	3	10	12	3	3	4	85
Motor trucks											
Number of holdings reporting...	132	10	34	22	17	21	7	4	6	6	5
Number of motor trucks	229	10	38	24	23	34	13	6	10	9	62
Automobiles											
Number of holdings reporting...	170	12	52	23	23	25	9	5	7	7	7
Number of automobiles	256	13	76	31	31	37	19	7	8	12	22

¹ Includes heifers that have calved.

Area: in hectares
Production: in metric tons
(unless otherwise specified)

SELECTED DATA FROM CENSUSES OF 1950 AND 1960

VIRGIN ISLANDS (U.S.)

	1950	1960		1950	1960
0 - HOLDER, HOLDING AND TENURE			1 - LAND UTILIZATION		
Number and area of holdings, by size			Utilization of land in holdings (area)		
All sizes of holdings			Cropland	6 662	4 574
Number	755	501	Permanent meadows and pastures	8 517	6 867
Area	25 800	17 831	Wood and forest land	9 344	5 078
Holdings under 1.2 ha			All other land	1 277	1 312
Number	48	56			
Area	36	32	2 - CROPS - AREA AND PRODUCTION		
Holdings 1.2 and under 4.0 ha			Sugarcane		
Number	316	199	Number of holdings reporting ...	379	144
Area	662	437	Area	1 676	1 488
Holdings 4.0 and under 8.1 ha			Production	44 534	94 837
Number	140	87	Mangoes		
Area	746	479	Number of holdings reporting ...	197	244
Holdings 8.1 and under 20.2 ha			Total number of trees	8 557	4 000
Number	94	57	Of productive age	(7 313)	(3 268)
Area	1 156	747	Of nonproductive age	(1 244)	(732)
Holdings 20.2 and under 40.5 ha			Pineapples		
Number	40	42	Number of holdings reporting ...	39	54
Area	1 081	1 185	Total number of plants	8 561	10 079
Holdings 40.5 and under 105.2 ha			Of productive age	(6 601)	(5 705)
Number	50	28	Of nonproductive age	(1 960)	(4 374)
Area	3 536	1 821	Coconuts		
Holdings 105.2 and under 202.3 ha			Number of holdings reporting ...	126	191
Number	36	13	Total number of trees	6 959	5 552
Area	5 134	1 860	Of productive age	(5 146)	(3 105)
Holdings 202.3 and under 404.7 ha			Of nonproductive age	(1 813)	(2 447)
Number	19	10	3 - LIVESTOCK AND POULTRY		
Area	5 041	2 908	Cattle		
Holdings 404.7 ha and over			Number of holdings reporting ...	259	118
Number	12	9	Number of cattle	11 355	8 383
Area	8 408	8 362	Sheep		
Average size of holding	34.2	35.6	Number of holdings reporting ...	160	93
Number and area of holdings, by tenure			Number of sheep	2 786	2 152
Holdings operated under one form of tenure			Goats		
Holdings owned by the holder or in ownerlike possession			Number of holdings reporting ...	312	187
Number	540	386	Number of goats	3 876	2 334
Area	14 989	9 036	Pigs		
Holdings rented from others			Number of holdings reporting ...	240	184
Number	146	69	Number of pigs	978	1 297
Area	1 743	1 172	Chickens		
Holdings operated under more than one form of tenure			Chickens 4 months of age and over		
Number	33	27	Number of holdings reporting	456	277
Area	1 859	768	Number of chickens	10 074	17 598
Holdings operated by managers			6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES		
Number	36	19	Selected agricultural equipment on the holding		
Area	7 209	6 855	Tractors		
Area in holdings, by tenure			Number of holdings reporting	13	30
Area owned by the holder or in ownerlike possession	16 105	9 600	Number of tractors	29	125
Area rented from others	2 486	1 376	Motor trucks		
Area operated by managers	7 209	6 855	Number of holdings reporting	78	132
			Number of motor trucks	96	229
			Automobiles		
			Number of holdings reporting	80	170
			Number of automobiles	96	256

REPORT ON THE 1960 WORLD CENSUS OF AGRICULTURE
Volume I - Part A
Census Results by Countries

CORRIGENDA

Page 69, col. 6, line 19 "3 640" should read "3 040."

Page 82, col. 2, line 5 "(c 23 kg)" should read "(ca. 23 kg)."

Page 223, cols. 1, 2 and 4 resp., line 14 from the bottom "391 560, 342 082 and 39 405" should read "391 563, 342 083 and 39 406."

Page 223, cols 2 and 3 resp., line 7 from the bottom "1 709 199 and 852 456" should read "1 709 198 and 852 457."