

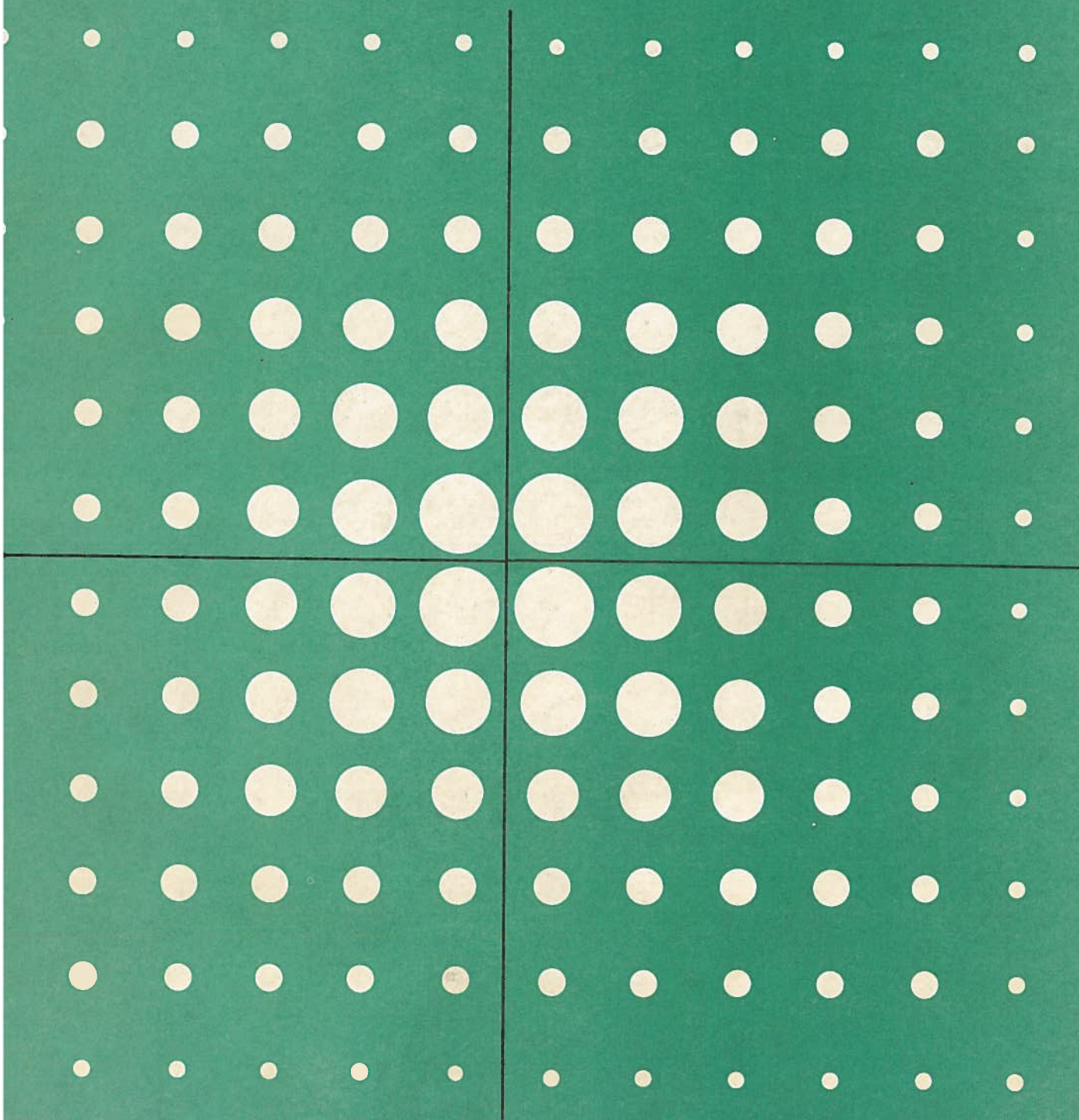
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report on the 1960 world census of agriculture

ANALYSIS AND INTERNATIONAL COMPARISON OF CENSUS RESULTS

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS



REPORT ON THE 1960 WORLD CENSUS OF AGRICULTURE

Volume V

**ANALYSIS AND INTERNATIONAL COMPARISON
OF CENSUS RESULTS**

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
ROME 1971**

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REMARKS

Geographic areas. The form of presentation in this report does not imply official endorsement or acceptance by FAO of the status or boundaries of the countries or territories listed or described. It was adopted solely for the purpose of providing a convenient geographical basis for presenting statistics in a form in which they could be readily used. The same qualification applies to all notes and explanations concerning geographic units for which data are presented.

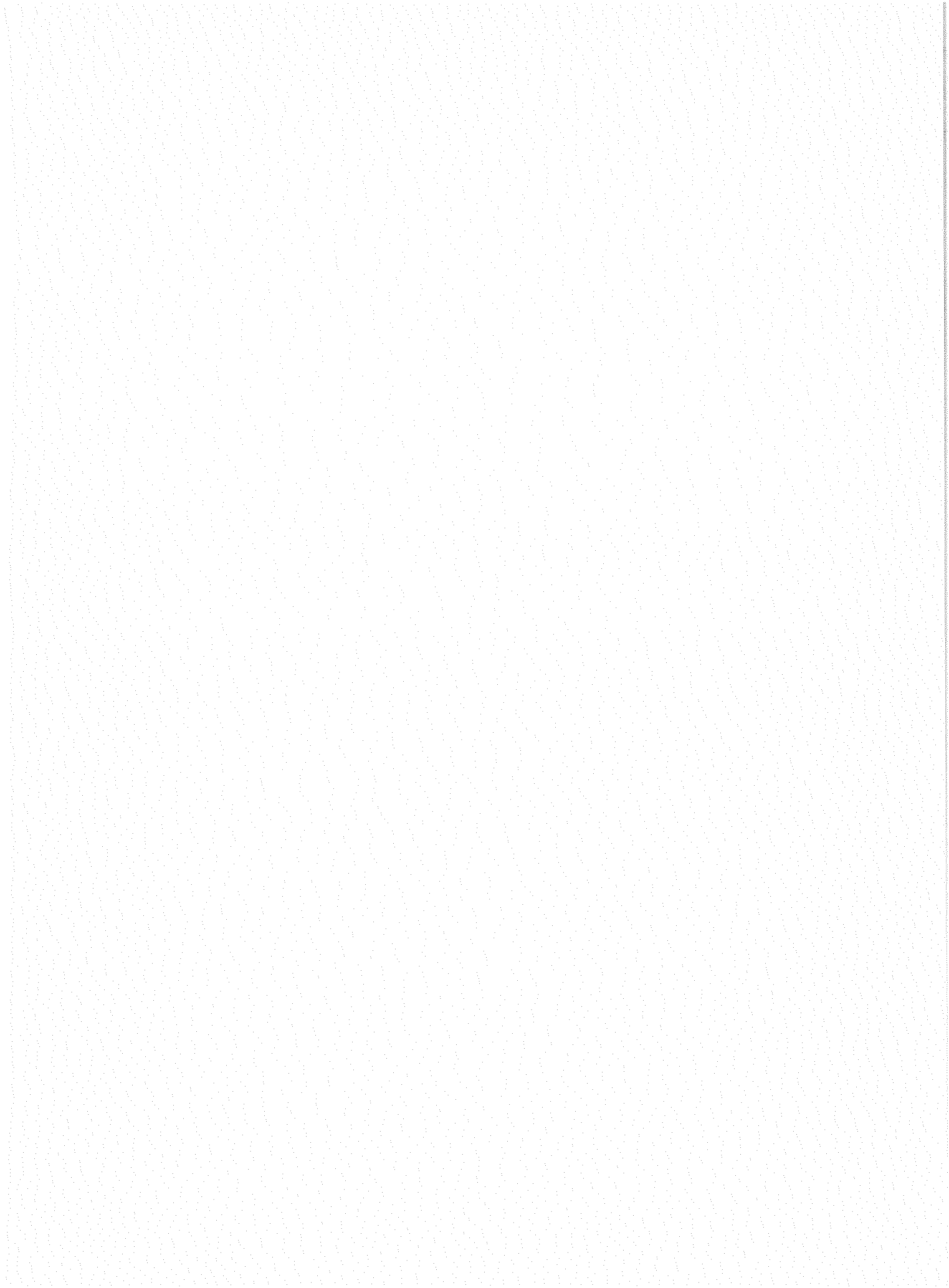
Totals. Totals are given in many tables for a group of countries for which data are presented. In cases of continents or regions, these totals do not

represent totals for all countries in the region but only for those countries listed in the table. Totals are given so that the user will have a measure of the magnitude of the data for a group of countries.

Rounding. In some tables data presented for components of a total have been rounded. In such cases the sum of component parts may not be exactly equal to the total.

Symbols. These symbols appear in the tables throughout:

Category not applicable or data not available . . .
Magnitude 0 or less than half the unit specified —



FOREWORD

The purpose of this volume is to provide international summaries, with some analysis, of information from the national censuses taken under the broad framework of the 1960 World Census of Agriculture for use by member countries, FAO itself and other users of international data. The report aims to provide, on as near a comparable basis as possible, data for many countries in order to give a comprehensive picture of the structure of agriculture and agricultural production for the period covered by the 1960 World Census of Agriculture. While the programme for the 1960 World Census of Agriculture called for the collection, tabulation and publication of data on a uniform and internationally comparable basis, all participating countries were not able to publish data completely in accordance with the recommendations outlined for the worldwide census programme.

This volume has as its objective the reasonable cataloguing of the characteristics of agriculture and agricultural holdings as they were in the early 1960's. Therefore, to be of effective use, data from a considerable number of countries required adjustment or modification to improve the comparability with those of other countries. Moreover, there were differences in concepts, criteria and methodology used in the censuses in various countries. The recording and some appraisal of these differences have been undertaken to provide guidance and understanding in the use and interpretation of the data.

This volume also contains information regarding the availability of data, and the completeness of information for all the 83 countries for which some data are included. Some comparative data are presented also for the 1950 and 1930 censuses of agriculture, especially for items relating to the size and tenure structure of agricultural holdings.

The statistical tables contain chiefly basic data as these provide the indispensable foundation for derived data and text comments. Limitations of time and resources made it necessary to give priority to statistical tables containing basic data over those with derived data, as users can calculate derived data desired. In many cases data are not available for all countries participating in the 1960 World Census of Agriculture. However, information is given, insofar as this was available, on all major items included in the FAO programme for the 1960 census of agriculture. Coverage of this volume is limited in respect to its explanations and analysis and completeness of data by the availability in FAO of published census materials from the various countries.

For many items, data from the 1960 World Census of Agriculture represent the only information available regarding many aspects of agriculture, especially for cross-classified data on the structure of agricultural operating units, size of agricultural operations, the use of agricultural land, livestock, levels of production, use of irrigation, use of fertilizers, patterns of farming, and characteristics of holdings and holders, etc.

This volume brings together country totals found in a large number of census and other reports. It outlines some of the limitations as to international comparability. It provides brief explanations of concepts and limitations of data to help the user to interpret and use the data and, at the same time, it is hoped, may aid in preventing the misuse of data. In organizing the data so that they can be readily located, in making adjustments to improve international comparability, in providing some analysis and in giving brief explanations for essential concepts and procedures, this volume should contribute to the more widespread and accurate use of

data from the 1960 World Census of Agriculture. Moreover, it is hoped that its publication will promote further improvement in the accuracy and international comparability of the 1970 and future world censuses of agriculture.

The volume has been prepared for FAO by Ray Hurley of the United States, FAO consultant, who worked in close cooperation with the staff of the Agricultural Census Group of the Statistics Division.

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STATISTICS DIVISION

0. INTRODUCTION

0.1 What is agriculture ?

Agriculture is the use of biological processes on agricultural holdings to produce food and other products useful to man. In even more simple language, agriculture is the cultivation of crops and the tending of livestock to produce food and other agricultural products.

0.2 General characteristics of agriculture

The production of agricultural products is based upon growth of plants that use solar energy through photosynthesis. The amount of available solar energy varies from place to place. Plant growth processes are also affected by air and soil temperatures and moisture, which in turn depend on climate, weather, rainfall and the characteristics of soils. Moreover, the plant food nutrients essential for growth processes vary enormously from area to area.

As agricultural production depends on solar energy, it is widely distributed over the face of the earth inasmuch as sunlight must be used largely where it falls. Because of this fact, agriculture is carried on in widely dispersed settings in the midst of both traditional and differing climatic, cultural, social and economic influences.

The agricultural regions of the world show much variation in growing seasons. A region with a relatively long growing season will experience different combinations of temperature and moisture suitable for different crops within the single growing season. As many agricultural plants have a growing period of less than one year, it is possible to grow more than one crop on a plot of land during a single year.

Since temperature and rainfall may vary considerably not only seasonally but also from year to year within a country, agricultural production varies ac-

cordingly. Variations in rainfall, floods, storms, extremes of heat and cold, and prevalence of insects and diseases may result in bumper or scant agricultural production. Accordingly data on agricultural production for a single year may not be fully representative if the year to which the data relate was affected by abnormal temperature, rainfall, or insect and disease infestation.

Almost 200 million agriculturists or agricultural holders produce agricultural products. However, a large proportion of what is produced, primarily food, is not for sale but for the consumption of the producer and his family. The almost complete identity of producing and consuming units on millions of agricultural holdings is one of the significant features of agricultural production revealed by the census. This segment of agriculture characterized by production largely for consumption on the holding has been frequently referred to as "subsistence farming."

Land has been used for agricultural production for many centuries, but most of its present productive capacity is man-made. The continual use of land for production has resulted in depletion of plant food nutrients and has often affected the availability of moisture for plant growth. Accordingly agricultural production now depends less on the natural endowment of land and more and more on the additions and replacements made by man in supplying plant food nutrients, and in controlling such factors as erosion and water supply.

Another characteristic of agriculture is the extraordinarily large number and wide dispersion of operational units, each with an independent decision-maker. These decision-makers, widely scattered geographically, vary enormously in economic status and potential. They operate under a variety of political systems and even within one country are subject to many different institutional connex-

ions. They cultivate crops and produce livestock under enormously diversified local circumstances. In many countries holdings comprise small operational units producing a few traditional crops with few or no purchased inputs such as seeds, fertilizers, pesticides and machinery. Relatively few operational units have multipurpose enterprises with interrelated products and controls. Millions of holders exercise only partial and temporary control over the land they use, under rental or other arrangements, usually verbally made with a landowner. Some holders have loose trust rights for the use of the land, allocated by the heads of extended families or clans. Typically, operational units comprise tiny plots often widely scattered as a result of fragmentation arising from arrangements for inheritance or customary allocation of ownership upon death of the owner.

Most of the agricultural production units in the world are small; almost one half contain less than 1 hectare (2.47 acres) and four of five contain less than 5 hectares (12.4 acres). In many agricultural producing areas all good land is occupied, and the increase in population often means more and more small holdings.

Operations relating to agricultural production are seldom standardized. Conditions vary from area to area, holding to holding, and field to field. Weather, destructive insects and diseases and availability of resources — labour, equipment, purchased inputs, and irrigation water — must be taken into account in planning and carrying out operations. This means widespread differences in operating units and practices among areas and countries, and even within an area.

Another distinctive characteristic of agricultural production is that labour requirements on individual holdings vary greatly during the crop and livestock production cycle. The preparation of seedbeds and planting require large quantities of labour. From planting time to harvest time, labour is needed only intermittently for control of weeds, pests and diseases and for irrigation where used. At harvest time or when the crop is prepared for market, significant amounts of labour are again required. Because of these seasonal variations, in some areas agricultural enterprises have been combined in such a way as to stagger the peaks in labour requirement during a year. In areas where opportunities for nonagricultural employment exist, employment of holders and

members of their families at off-the-holding jobs during the period of relatively low labour requirements on the holding has overcome in part the underemployment resulting from intermittent labour requirements.

0.3 What is a census of agriculture?

A census comprises an inventory of resources used in agriculture - people, land, livestock, machinery, equipment, fertilizers, etc., and of agricultural production, the plant and animal products resulting from the biological processes.

A census of agriculture has been defined as a government-sponsored operation for the collection of quantitative information on agricultural structure, using as a unit of enumeration the agricultural holding, and covering the whole country (or territory) within a single agricultural year. As promoted by the Food and Agriculture Organization of the United Nations, the World Census of Agriculture represents a series of national agricultural censuses taken in or near the same year in an international framework.

The first World Census of Agriculture project was promoted by the International Institute of Agriculture, Rome, and more than 60 countries and territories participated in the first census, taken in or around 1930. The Institute planned to initiate a second world census for 1940 but these plans were not carried out because of the second world war. The Food and Agriculture Organization of the United Nations sponsored and provided leadership, expert assistance and guidance for the World Census of Agriculture programmed for 1950 and 1960.

The objectives of the World Census of Agriculture sponsored by FAO have been:

1. To provide an overall view of the structure of agriculture for each country by supplying an agricultural inventory, measures of social and economic characteristics of holdings, and means for interrelating the characteristics of holdings and holders.
2. To provide the basis for reliable current agricultural statistics by providing benchmarks and sampling frames for current surveys, and by making available data with which current agricultural statistics may be compared.

3. To provide a nucleus of personnel trained and experienced in collecting, compiling and analysing data for agricultural holdings and for agriculture.

0.4 Purpose of this volume

The initial purpose of agricultural censuses was to provide in or around the same year internationally comparable data on agriculture. The FAO programme for 1960 as well as the programme for the preceding decennial census recommended standards for at least a minimum number of items relating to agriculture and agricultural production. However, national agricultural censuses have been geared increasingly to meet national objectives. This has been especially true in the large number of countries where national economies are centred on agriculture and where food production and its increase are major problems. Likewise, FAO recommendations for the 1960 census were modified for each of the major agricultural regions, recognizing that the wide range of conditions under which these censuses would be carried out made it impossible to prepare specifications comprehensive enough to meet international requirements. The increase in content and coverage with each successive decennial census has added to the problems of providing meaningful comparative summaries for continents, regions and for all participating countries.

Data from the censuses of agriculture provide the main source of statistical data on most aspects of world agriculture. The data for the 1960 census for participating countries have been published at various times over an eight-year period. The national publications containing these data and totalling thousands of pages in many languages are not widely available. Moreover, most countries have made some modifications in FAO-recommended concepts and methods in taking their censuses. The differences in the organization of census reports and in units of measure add to the difficulties of arranging and comparing census data.

A particularly valuable feature of the statistics from the censuses of agriculture is that they have usually resulted from the enumeration of agricultural holdings. Thus the basic data for holdings can be interrelated to provide an integrated picture of agriculture in a country, a region, a continent or in all participating countries.

The data in this report are taken largely from national censuses, with adjustments made to the extent considered necessary and practicable for conformity within the broad framework of the FAO programme for the 1960 World Census of Agriculture.

This report summarizes the 1960 World Census of Agriculture. With the relevant explanations and arrangement of data, it partially takes care of the need for reasonably reliable data on crops, animals, types of agricultural operations, patterns of agricultural production, use of land, the use of new science and technology, specialization in agricultural production, land tenure, land ownership, fragmentation of agricultural holdings and scale of agricultural production. To understand the problems of world agriculture, to assess regional problems, to analyse patterns of land utilization requires numerical measures of the many aspects of agriculture. The success of the unrelenting search for methods of increasing food production depends on this kind of knowledge.

0.5 Scope of the census of agriculture

The programme sponsored by FAO for the 1960 census recommended the collection of data at the level of holdings, on the following topics:

1. The number of agricultural holdings and their principal characteristics: age, main occupation and legal status of holder, size of holding, fragmentation of holding, and system of tenure under which the holder operated the holding.
2. The utilization of land in the holding.
3. Area and production of each crop and an inventory of the number of fruit trees and other permanent crops on the holding.
4. An inventory of livestock and poultry on the holding.
5. The number and characteristics of persons employed on holdings.
6. The number and characteristics of persons living on holdings.
7. An inventory of agricultural machinery, the kind of power used on holdings and means used to transport agricultural products from the holding.

8. Area of land provided with irrigation facilities, area of land irrigated and source of water used for irrigation purposes, and area of land provided with drainage facilities.
9. The use of fertilizers and soil dressings on holdings.
10. The production of wood products and fishery products on holdings.

The scope of the 1950 and 1930 world censuses of agriculture was similar to that of 1960. In the planning of the 1960 census major efforts have been made to ensure comparability and continuity with data for prior censuses. Each succeeding census provided for elaboration and refinement of certain items in order to improve the data and to meet current demands for additional data.

The scope of the censuses has been adapted to agricultural conditions in various areas and most importantly to the needs of each nation. FAO has sponsored variations in the programmes to adapt them to needs and conditions in Europe, the western hemisphere, the Near East, the Far East and Africa.

The year to which the census data for 1960 relate was not the same for all countries. Most tables indicate the year to which the data apply. Data for use of land in holdings, tenure, number of livestock, number of agricultural machines and farm population usually relate to the time the census was taken. The record-taking for the censuses in most countries was completed within one or two months, although in a few countries census-taking may have extended over a period as long as one or two years. Data on crop areas and use of fertilizers usually refer to an agricultural or crop year, covering a period of approximately 12 months. Because two or more crops may have been harvested from the same area during the crop year, information on crop areas and crop production may have been collected at more than one time during the census year. In some cases this was done simply to improve the accuracy of the data.

0.6 Coverage of the 1960 census

In this Volume V of the Report on the 1960 World Census of Agriculture, data concerning the agricultural holdings are included for a total of 83 countries.

This number includes also countries — France, Antigua and Barbuda, Virgin Islands (U.K.), and Chile — which were not included in Volume II as they were not considered participants in the 1960 world programme. Wherever reasonably reliable data on agricultural holdings were obtainable, that country was included in this present volume, even though it may not have strictly satisfied the two criteria of participation: (1) that the census be taken by enumerating agricultural holdings within the framework of the FAO world programme, and (2) that the census be undertaken within a specified period. (See Volume II, page 56).

Fourteen countries were included in Volume II as participants in the 1960 world programme but are not included in this volume because, in most cases, the census results were not available. In a few cases the available results could not be used for this volume. The names of these countries (arranged by continents) are as follows: Luxembourg; Bolivia, Ecuador; Nepal; Angola, Bechuanaland, Congo (Brazzaville), Gabon, Ghana, Guinea, Niger, Sudan, Upper Volta; Papua and New Guinea.

Countries which have not been included in this volume are shown in Tables 0.2 and 0.3. Table 0.2 includes the countries for which data on number and area of agricultural holdings and area of cropland are available from other sources than the proper 1960 censuses. These data are presented against the area and population of these countries. Table 0.3 shows the countries for which no data on number of holdings from any source were available. Total cropland whenever available is shown in this table against the total area and population of the respective countries.

0.7 Accuracy of census results

It is impossible to obtain complete and fully accurate data regarding agriculture in any country. Census information is usually obtained by census takers who ask questions of holders and record their answers. For the collection of data from individual holders for the 1960 census approximately half a million census takers were employed, nearly all of whom were temporary personnel employed for a relatively short period, often without adequately trained supervisors. It was necessary for these census takers to visit more than 50 million holders

to obtain the required information — holders who were widely scattered, differed greatly in education, in understanding of what the census required, in ability to provide census information, in knowledge of physical area and quantities of agricultural products, and in willingness to cooperate with the census takers. To provide reasonably accurate national totals it was necessary to have questions that would be identically interpreted by holders and census takers. Moreover, census accuracy required a fixed system of concepts, definitions, procedures and operations that would be fully understood and followed by census takers and which they could explain using the vocabulary of the holders. These requirements were never fully met in any country. The concept of holder and holding was often difficult to apply, and the enormous range of conditions under which agriculture is carried on and holdings operated, the use of agricultural land by tenants and others without any written agreements with the landowners and the existence of large numbers of holdings fragmented into tiny, widely scattered parcels made great difficulties. This was further complicated by the fact that agricultural products were consumed only by the holder and members of his family in a considerable proportion of all holdings.

Moreover, the census often required physical measurements in terms which were unfamiliar to holders. It asked for information that related to a period of one year for many items; yet the items being measured might change several times during the year and frequently changed so often that getting an accurate report was difficult because of memory lapse of the holder. To ensure the enumeration of each holding once and only once, it was necessary to have maps or description of the area each census taker was to enumerate, but in many countries accurate maps did not exist. Moreover census takers did not secure information for all holdings in their assigned area. Errors in census data resulted also from mistakes occurring in the classification, summarization and publication of the data.

There are no satisfactory measures of the accuracy of data for all national censuses. One of the frequently used methods in individual countries for measuring the accuracy of census results was to compare totals, averages and percentages with data available from other sources. For instance, totals for data on agricultural products processed or exported would be compared with the quantity reported

in the census, totals provided by land or tax records with census totals, totals for specialized producers of agricultural products with corresponding groups in the census. These types of comparisons are subject to problems of interpretation, because the data from the census and from other sources are usually not fully comparable because of difference in period covered and concepts used. Moreover, the agreement between data from different sources does not always mean that the data are accurate.

In 24 nations an appraisal of the accuracy of the 1960 census was undertaken by the reenumeration of holdings in sample areas using census takers who had been given more careful training than those used for the census proper, experienced supervisors and more detailed yet similar procedures. These resurveys of a sample of areas and holdings included in the census were conducted on a small scale, usually covering only a few thousand holdings. The checking, interpretation and analysis of data from these resurveys were difficult because of change in holdings and names of holders, and because they usually were taken several months or a year after the census. (Conditions on many holdings changed significantly in the interim because of changes in tenure, ownership and size of holding, and faulty memory of holders.) Moreover, difficulties were encountered in matching reports for the resurvey with those of the census for individual holdings and in determining their relative accuracy. The conduct of such resurveys required capable, experienced professional personnel who had to be not only familiar with agricultural practices and tenure arrangements in the country, but also careful and objective in their comparison and analysis of census and survey data. These reenumerations have been of greater value in indicating the relative importance of various sources of errors and in pointing to improvements to be made in future censuses than in indicating the accuracy of census data.

Results of the analysis of reenumeration check surveys have been published for only a few countries. Generally, these resurveys indicate that censuses are incomplete. For six countries, three in North and Central America, and three in Asia, the counting of holdings was incomplete by 2 to 23 percent, the counting of the land area of the holding by 2 to 9 percent, and census data for total cropland or cultivated land by 3 to 12 percent. The incompleteness arose primarily from the failure of census takers to obtain reports for all holdings in their assigned area,

largely because they did not include holdings located near or at the border of their assigned area, they did not obtain reports for very small holdings and they did not include holdings for which the relationship of the holder and his landlord made the recognition of the existence of the holding difficult or contrary to local custom.

While the data for censuses are subject to errors and incompleteness, their inaccuracy does not impair significantly their use for most purposes. Moreover, they comprise the only data available for most countries for the analytical description of the physical and economic characteristics of agriculture, agricultural holdings, variations among holdings in the use of resources and the production of agricultural products.

The method used for taking the census affected the reliability of the results in some countries. Generally, a census is thought of as the obtaining of a record for every agricultural holding in the country. This requires adequate funds and qualified personnel who can plan the census and supervise its operation. It also requires qualified persons who can be quickly and satisfactorily trained to collect census information from individual holders. In a number of countries these prerequisites were not or could not be adequately met, and it was considered desirable, as an alternative to a complete enumeration, to take a census for only a sample of the holdings in the country. This sampling method was used instead of a complete enumeration in 34 of the 83 nations or territories for which detailed data are included in this report. Table 0.1 lists these 34 countries with data showing the approximate number of holdings in the sample of holdings enumerated and the estimated total number of holdings.

As the data in Table 0.1 indicate, the number of holdings in the sample in the 34 countries listed varied from 390 to 1 770 000. The considerations of available resources (funds, personnel, qualified census takers, data compilation facilities), the need for data for political or geographical subdivisions of the country and the relative accuracy of the estimates based on a sample were important in the determination of sample size.

The method used in selecting the holdings to comprise the sample varied from country to country. The most frequently used method was to divide the country into relatively small parts. In most cases small administrative areas, such as villages, groups

of villages or a local administrative area were used. In some countries, where detailed maps were available, the parts comprised a cluster of adjacent households or agricultural holdings.

Usually, the villages or administrative units were arranged first by population or number of households. For these figures the most recent population census was used, or administrative records showing population or number of households. Then they were arranged by larger administrative or geographical area or by climate zones, by areas having similar cropping patterns and by population density, and a sample of villages or administrative areas was selected from the complete list. Often the rate of selecting villages or other small administrative units varied according to the population of the village and according to the total number of villages within a larger administrative area or climate zone.

Generally, after the selection of a sample of villages or other small administrative units, a listing of households in these sample areas was prepared either by a household-to-household visit or from a population census or other similar register of households. In some countries, the household listing contained information about the size of the holding operated by the household and its members, number of livestock owned, etc.

From the listing of households a sample of households was selected. In some countries, before the selection of the sample, the households were grouped by size (area) of agricultural holding, and the rate of sampling varied for each of these groups. Because the relatively larger holdings made a larger contribution to totals for all holdings, their sampling rate was often higher (i.e., a larger proportion of the larger holdings were included in the sample than of the smaller holdings). In some countries, a list of larger agricultural holdings was available from other sources and all, or a large proportion, of these larger holdings were included in the sample for the census regardless of whether the holdings were located in a sample area. Table 0.1 indicates for each country whether special provisions were made for the inclusion in the sample of a larger proportion of the larger than of the smaller agricultural holdings.

The results of a census taken on a sample basis are subject to sampling errors. The sampling errors indicate the probable variation by which the estimates from the sample may differ from the data that would

have been obtained by a complete enumeration using the same concepts and corresponding procedures. Sampling errors have been published for only a few of the countries taking the census on a sample basis and then only for a few items. The sampling errors for selected items were as follows for East Pakistan, West Pakistan, Portuguese Guinea, Kenya and Ceylon.

	East Pakistan	West Paki- stan	Portu- guese Guinea	Kenya (Afri- can hold- ings only)	Ceylon
<i>Sampling error, percent</i>					
Number of holdings	1.2	1.2	...	...	...
Area of holdings	1.3	1.7	6.8	...	...
Cultivated area	0.6	1.6	6.0	...	...
Area in wheat	1.7	1.7	...	...	...
Area in sugarcane...	1.6	2.9	...	...	...
Number of buffaloes	1.9	1.9	...	...	...
Area in rice	2.3	...	...	...	0.7
Area in maize	...	...	...	1.8	...
Area in sorghum	...	...	...	5.8	...
Area in tea	...	...	...	...	0.2
Number of holdings in sample	1 070 000	700 000	2 900	3 321	122 700

The percent given for each item for each country shows the difference between the estimate based on the sample and the corresponding data for a complete enumeration. This difference would be no more than the percentage limits given, in 68 cases of 100. If we wanted to say that the difference would be no more than the percentage limits given, in 99 of 100 cases, then the percents should be multiplied by $2\frac{1}{2}$.

For data referring to area of individual crops and to the number of livestock, it is very likely that the sampling error would be larger than the sampling error for the number of holdings or the area of holdings. In those countries in which no provisions were made for the inclusion of a larger proportion of the large than of the small holdings, the estimate based on the sample for items other than the number of holdings may be subject to a very large sampling error, especially where large holdings account for

a relatively large part of the total for the item for the country. In those countries with a sample of less than 3 000 holdings, and for which no special provision was made for the inclusion in the sample of a higher proportion of the large than of the small holdings, the data for census items other than the number of holdings give only a rough indication of the magnitude of the item.

0.8 Securing comparability of data for countries

The scope of agricultural censuses has varied greatly from country to country and it has been related to each nation's need for agricultural information and to conditions affecting the feasibility of collecting the information. Some countries limited the collection of census data to a minimum number of items. Other countries made the census a comprehensive inquiry into all aspects of agriculture. Moreover, the tabulation programmes of census data were developed primarily to take care of each country's needs. Then too, difficulties and delays developed in the census programme so that tabulation was not completed. For some countries the census data are not available in published form.

There are problems for every country in making the data for the 1960 census comparable with the standards recommended in the FAO programme. In the presentation of data in this report the recommendations contained in the FAO programme have been accepted as the standard. Adjustments have been made, wherever possible, in the data of each country to make them conform to the FAO standards. Therefore, the data in this report may differ from those published by the country and in other FAO reports.

In many cases full comparability of census data among countries could not be fully achieved. However, whenever it was considered that adjustments or rearrangement of data would improve comparability, these were made. National censuses varied in the application of basic concepts and methods of census taking. Modifications of major concepts and methods are summarized in this report. However, this report does not describe or identify these differences when it was considered that they did not seriously impair comparability or the analysis and use of the data.

TABLE 0.1 - TOTAL NUMBER OF HOLDINGS AND NUMBER OF HOLDINGS IN SAMPLE FOR 34 COUNTRIES

	Total number of holdings, estimated (1 000)	Approximate number of holdings in sample	Special provisions for including larger proportion of large holdings than of small holdings in sample
EUROPE			
France	1 899	284 283	None
NORTH AND CENTRAL AMERICA			
Antigua and Barbuda	6	530	All holdings of 20 ha or more in sample. Sample included more than 60 percent of land in all holdings.
Barbados	28	1 670	All holdings of 20 ha or more in sample. Sample included more than 85 percent of land in all holdings.
Dominican Republic	447	31 000	All holdings of 201 ha or more in sample. Sample included more than 65 percent of land in all holdings.
El Salvador	224	21 817	All holdings of 190 or more ha, 35 or more manzanas of coffee and all holdings with 100 or more cattle included in sample. Sample included more than 40 percent of the land in all holdings.
Jamaica	159	8 500	All holdings of 40 ha or more in sample. Sample included more than 20 percent of land in all holdings.
Trinidad and Tobago	36	14 000	All holdings of 4 ha or more in sample. Sample included more than 90 percent of the land in all holdings.
Virgin Islands (U.K.)	1	590	All holdings of 0.8 ha or more in sample. Sample included more than 90 percent of land in all holdings.
SOUTH AMERICA			
Paraguay	161	6 500	All large holdings were in sample.
ASIA			
Ceylon	1 170	122 700	All holdings of 20 ha or more in sample. Sample included 40 percent of land in all holdings.
India	48 882	103 896	None.
Indonesia	12 238	301 000	All estates in sample. Sample included 3 percent of land in all holdings.
Iran	1 877	2 500	A larger proportion of the large holdings than of the small holdings included in the sample.
Lebanon	127	8 064	A larger proportion of the large holdings than of the small holdings included in the sample.
Malaya, Fed. of	452	35 140	All estates of 40 ha or more in sample. Sample included more than 50 percent of land in all holdings.
North Borneo	43	7 113	All holdings of 10 ha or more in sample. Sample included 60 percent of land in all holdings.
Pakistan	12 155	1 770 000	None
Philippines	2 166	616 000	All holdings of 10 or more ha in sample. Sample included 50 percent of land in all holdings.
Sarawak	45	6 157	All holdings of 40.5 or more ha in sample. Sample included more than 35 percent of land in all holdings.
Turkey	3 410	7 925	All government holdings and all holdings of 700 ha or more in sample. Sample included 3 percent of land in all holdings.
Viet-Nam, Rep. of	1 897	15 000	All coffee, rubber, tea and large fruit plantations included in sample.
AFRICA			
Central African Republic	232	1 478	None
Kenya (African holdings)	510	3 321	None
Lesotho	161	2 420	None
Madagascar	882	2 474	None
Mali	280	826	None
Morocco	1 107	80 000	
Portuguese Guinea	87	2 900	None
Senegal	295	779	
Seychelles	1	390	All holdings of 70 ha or more in sample. Sample included more than 90 percent of land in all holdings.
Southern Rhodesia (African holdings) ...	430	5 029	None
Togo	217	2 032	None
Tunisia	326	6 000	A larger proportion of large holdings than of small holdings included in the sample.
Uganda	1 171	12 614	None
TOTAL	93 122	3 484 648	

TABLE 0.2 - NUMBER AND AREA OF HOLDINGS AND TOTAL CROPLAND OF COUNTRIES AND TERRITORIES
NOT INCLUDED ELSEWHERE IN THIS VOLUME, AS COMPARED WITH AREA AND POPULATION

	Land area (1 000 ha)	Total population 1960 (1 000)	Agricultural holdings			
			Number	Area (1 000 ha)	Cropland (1 000 ha)	Year of census or survey
EUROPE	46 327	42 889	4 783 447	16 311	6 631	
Hungary	9 303	9 984	1 399 046	5 613	4 819	1949
Luxembourg	259	314	28 389	144	80	1950
Portugal	8 886	8 826	853 568			1953/54
Romania	23 750	18 403	2 263 963	10 420	11 732	1941
Switzerland	4 129	5 362	238 481	134	...	1939
NORTH AND CENTRAL AMERICA	13 714	2 355	156 135	5 018	92	
British Honduras	2 296	91		2 297	30	1950
Honduras	11 209	1 940	156 135	2 507	...	1952
Windward Islands ¹	209	324	...	214	62	1950
SOUTH AMERICA	171 070	26 242	531 576	69 233	94	
Bolivia	109 858	3 453	86 377	32 750	...	1950
British Guyana	21 497	564		21 497	94	1950
Cuba	11 452	6 826	100 965	7 790	...	1952
Ecuador	27 067	15 397	344 234	6 000	...	1954
Falkland Islands	1 196	2	...	1 196	...	1950
ASIA	3 273	5 197	166 336	1 379	924	
Cyprus	925	573		925	606	1950
Israel	2 070	2 114	33 295	330	256	1950/51
Ryukyu Islands	220	876	133 041	69	45	1951
Singapore	58	1 634	...	55	17	1950
AFRICA	697 571	80 750	2 093 931	107 244	26 034	
Algeria	238 174	10 800	2 188	2 333	...	1964/65
Botswana	57 498	483			140	1949/50
Chad	128 400	3 070	204 798	639	234	1960/61
Congo (Brazzaville)	34 200	820	2112 146	272	198	1960/61
Gabon	26 700	440	71 000	109	109	1960
Gambia	1 037	299		1 037	267	1950
Ivory Coast	32 246	3 088	33 706	...	2 200	...
Mauritius	186	645		186	81	1950
Mozambique	77 801	6 604	1 419 093	4 248	...	1961/66
Nigeria (British Cameroon)	92 377	52 000	...	96 672	22 317	1950/51
St. Helena	42	5		12	2	1950
Sierra Leone	7 174	2 180	251 000	...	397	1965/66
Swaziland	1 736	316	...	1 736	89	1950
OCEANIA	6 784	828	...	5 017	377	
British Solomon Islands	2 979	125	...	2 979	145	1950
Cook Islands	49	23	...	49	24	1950
Fiji Islands	1 827	394	...	1 823	140	1950
Gilbert and Ellice Islands	90	46	...	96	37	1950
New Hebrides	1 476	66	...	...	...	1950
Tonga	70	63	...	70	31	1950
Western Samoa	293	111	...	...	...	...
TOTAL	938 739	158 261	7 731 425	204 202	34 152	

¹ Total of areas for major crops. — ² Traditional holdings only.

TABLE 0.3 - AREA, POPULATION AND TOTAL CROPLAND FOR COUNTRIES AND TERRITORIES FOR WHICH NO DATA ON NUMBER OF HOLDINGS ARE AVAILABLE FOR 1960

	Total area of country (1 000 ha)	Population (1 000)	Total cropland (1 000 ha)		Total area of country (1 000 ha)	Population (1 000)	Total cropland (1 000 ha)
EUROPE (including U.S.S.R.) (excluding U.S.S.R.)	2 287 945 47 945	253 730 39 492	256 269 26 269	AFRICA	1 219 332	89 911	102 388
Albania	2 875	1 607	479	Angola	124 670	4 806	900
Andorra	45	8	...	Burundi	2 783	2 908	...
Bulgaria	11 093	7 867	4 538	Cameroon	43 200	4 700	7 000
Czechoslovakia	12 787	13 654	12 787	Cape Verde Islands	403	200	30
Eastern Germany	10 829	16 164	8 462	Comoro Islands	217	192	110
Iceland	10 300	176	1	Congo, Democratic Republic of	234 541	14 139	48 995
Liechtenstein	16	16	2	Dahomey	11 576	2 050	1 546
U.S.S.R.	2 240 000	214 238	230 000	Equatorial Guinea	2 805	244	188
NORTH AND CENTRAL AMER- ICA	222 100	4 890	472	Ethiopia	118 432	20 700	11 486
Bahamas	1 140	11	16	French Somaliland	2 200	81	—
Bermuda	5	44	...	Ghana	23 787	6 777	5 310
Cayman Islands	26	8	...	Guinea	24 586	3 072	...
Greenland	217 560	33	...	Ifni	150	49	...
Guadeloupe	178	273	48	Liberia	11 137	988	1 902
Haiti	2 775	3 991	370	Malawi (former Nyasaland)	11 931	3 490	2 927
Martinique	110	285	32	Mauritania	108 580	970	927
Netherlands Antilles	96	192	5	Niger	126 700	2 876	11 666
Panama, Canal Zone	143	42	1	Reunion	251	338	60
St. Pierre and Miquelon ..	24	5	...	Rwanda	2 634	2 665	868
Turks and Caicos Islands ..	43	6	...	Sao Tomé and Príncipe ...	96	65	30
SOUTH AMERICA	30 597	597	1 392	Somalia	63 766	2 010	957
French Guyana	9 100	33	4	Spanish North Africa	21	151	...
Guyana (British)	21 497	564	1 388	Spanish Sahara	26 600	19	...
ASIA				Sudan	250 582	11 770	7 100
(including Mainland China)	1 586 129	742 161	149 524	Upper Volta	27 420	4 340	241
(excluding Mainland China)	610 028	92 161	40 170	Zanzibar	264	311	145
Afghanistan	65 000	13 800	9 015	OCEANIA	54 793	2 674	721
Bahrain	60	150	...	British Solomon Islands ...	2 979	125	145
Bhutan	5 000	650	...	Fiji	1 827	394	297
Burma	67 803	22 355	15 605	French Polynesia	400	80	5
Cambodia	17 251	5 440	2 353	Nauru	2	4	—
China (Mainland)	976 101	650 000	109 354	New Caledonia	1 865	78	80
Hong Kong	103	3 075	14	Norfolk Islands	4	1	...
Jordan	9 661	1 695	1 128	Pacific Islands (U.S.)	178	77	53
Laos	23 680	2 330	270	Papua and New Guinea ..	47 537	1 905	141
Mongolia	153 500	953	...	Tokelau Islands	1	2	...
Nepal	14 080	9 180	3 894	Wallis and Futuna Islands ..	...	8	...
North Viet-Nam	15 900	16 100	1 300	WORLD TOTAL			
Palestine (Gaza strip)	...	377	...	(including U.S.S.R. and Mainland China)	5 400 896	1 093 963	510 766
Qatar	2 201	45	...	(excluding U.S.S.R. and Mainland China)	2 184 795	229 725	171 412
Saudi Arabia	160 000	6 000	210				
Sikkim	711	161	...				
South Arabia Federation ..	28 770	...	...				
Southern Yemen	...	203	...				
Syria	18 448	4 561	6 381				
Trucial Oman	8 360	86	...				
Yemen	19 500	5 000	...				

1. NUMBER OF AGRICULTURAL HOLDINGS

1.1 Definition of holding and holder

The FAO-recommended definition of a holding for the 1960 census was as follows:

“A holding, for census purposes, is all land which is used wholly or partly for agricultural production and is 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 is to be considered as constituting a holding. The holding may consist of one or more separated parcels, provided that they are located in a single territorial division (administrative or censal), in adjacent territorial divisions, or if the territorial divisions are very small, in the same neighbourhood, and that as a whole form a part of the same technical unit. The holding may be known as a lot, piece or parcel of land, garden, orchard, vineyard, estate, ranch, plantation, rural establishment, communal establishment, or by some other name.

“Establishments or other units not including any agricultural land but producing livestock or livestock products are to be considered as holdings, whether they are in rural or urban areas. Establishments engaged in the production of only forest products, fish, frogs, dogs or wild game are not to be considered as holdings.”

The holding as defined is an operational agricultural holding. It is not an ownership holding, for the land comprising the holding may be fully owned, rented, partly owned and partly rented, or operated under some other arrangement. The holding may consist of a compact area or of scattered fragments. The holding or parts of it may be located in more than one political jurisdiction.

It is usually considered that there is a one-to-one relationship between families of holders and operational holdings. However, this relationship does

not exist for holdings operated under tribal or communal tenure forms, by consciously planned collectives, by jointly operated holdings and in some cases by households.

The FAO definition specified that the land should be “operated by one person (the holder), alone or with the assistance of others.” The holder is the person responsible for the management of the holding. He makes the decisions regarding all major farm operations and practices. He may be an owner, a member of the owner's household, a tenant or a sharecropper. Whenever the responsibility for operating the holding was shared between two or more persons, they were to be considered as a single holder.

The FAO programme recommended that the minimum size of agricultural holdings to be included in the census should be as low as possible. Practical considerations made it necessary for most countries to establish criteria indicating the minimum size of the holding to be included in the census. These criteria served to limit or to reduce the number of agricultural holdings included in the census. Table 1.1 indicates the specification established for minimum size of the agricultural holdings for which data are published in this report. Table 1.1 also indicates some criteria, specifications or procedures used in the census that resulted in increasing the number of holdings that would have been included on the basis of specifications of the FAO-recommended programme.

1.2 Number of holdings and their relation to total population

Table 1.2 provides a count for each country of the number of holdings for the 1960 census. The countries listed are those for which published data are available in FAO for censuses providing some

data for the number of holdings. The counts of holdings were affected by the criteria for minimum size of holding, indicated in Table 1.1. The counts in some countries are affected also by the fact that the census was not taken in all parts of the country or by the exclusion from the census of some groups of holdings such as those operated by nomads. The counts were also influenced by procedures for counting some types of holding as a single holding, when some parts of the agricultural production may have been under central control or under the supervision of an agency.

The census procedures in most countries generally determined the agricultural holding by identifying the holder and considering the holding as the land being operated by the holder or the livestock kept by the holder. Usually the holder was head of the household, and under census procedures, especially in countries in Africa where the samples of holdings were selected on the basis of households, there were no instructions or procedures for identifying holdings and holders when individual members of the household operated separate holdings. This was the case even though the individual holders had been assigned or had contracted for a whole or a part of a distinct area of land and had received all or a share of the agricultural products. The FAO programme specified that holdings operated by sharecroppers were to be counted as separate units. In some cases cooperative farms, tribal or other similar units have been counted as single holdings as a matter of convenience or necessity for securing information, although individual members of such units were allotted or controlled separate areas of land and received all or a share of the agricultural products they produced. As the remarks in Table 1.2 indicate, the count of the number of holdings was affected considerably by these procedures in a number of countries.

In many countries, quite frequently the members of a household operated more than one holding. For example, a father, his sons and the widow of his brother may all be living in the same household, but each member cultivates a separate area of land for which he or she has economic responsibility and from which he or she receives the agricultural products. In census procedures in a majority of countries, the holdings for all members of the household have been considered as one holding. Data on the number

of holdings are presented in Table 1.2 for 83 countries or territories.

The total number of holdings of the countries listed in Table 1.2 may exceed the total of 140 000 000 shown by 10 or 15 million. This is true for several reasons: (1) in many countries all holdings operated by members of a household are counted as a single holding, (2) places operated by sharecroppers and other similar types of holders in some countries are not counted as individual holdings, (3) some geographical areas and some types of holdings are excluded in several countries, and (4) the counting of holdings is often incomplete.

The 83 countries and territories listed in Table 1.2 do not of course represent the total agricultural holdings in the world, nor do they account for all of the world's agricultural production. For some measures of the extent to which these data represent world totals, reference should be made to Chapters 2, 3 and 8. The measurement of the coverage and completeness and accuracy of some other census items is discussed in Chapters 5 and 6.

In a large majority of the 83 countries agriculture is the most important economic activity. Table 1.2 indicates the ratio between the number of holdings and the total population of the countries around the time of the agriculture census. For the 81 countries for which ratios are given in Table 1.3, there is an average of 1 agricultural holding for every 12 persons. The total population per holding varies by country from 4 (in Lesotho) to 112 (in the United Kingdom). The population per holding is low in many of the countries where agriculture predominates and is high in countries where nonagricultural economic activities predominate.

1.3 Number of holdings and their size

There were in the 83 countries listed in Table 1.2 140.1 million holdings of all sizes and kinds. This total includes holdings of 0.1 hectare as well as holdings with an area of more than 100 000 hectares. The total includes agricultural enterprises operated by private individuals, by companies, by collectives, by tribal groups and by governments. Holdings comprise all kinds of establishments engaged in the production of crops and livestock and their products. They include greenhouses and

places growing field crops, fruits, nuts, seeds, bulbs, vegetables and flowers, as well as places producing cattle, sheep, goats, buffaloes, hogs, camels, rabbits, fur-bearing animals, bees, poultry, meat, milk, eggs, honey, wool and mohair. Actually, the count does not include millions of households, families and individuals engaged in the production of vegetables in kitchen gardens, nor does it include those producing livestock and livestock products for consumption by members of the household only. Most countries established a minimum size of places or holdings to be included in the census in order to minimize the effort and cost of taking a census of large numbers of places of little economic importance in the production of agricultural products or in the employment of persons in agricultural work. Table 1.1 lists the size and other limitations used to restrict the number of holdings included in the census or in the tables included in this report. It should be noted that the minimum size varies greatly from country to country, although there are smaller differences between countries within continents than between countries in different continents.

It should also be noted that the census did not cover all holdings in some countries (see Table 1.2). Attention is called particularly to the fact that a relatively large number of holdings as well as relatively large areas of holdings were excluded from the totals given for Kenya, Morocco, Tanganyika, Zambia, Indonesia, North Borneo, and Sarawak.

Since the criteria for qualifying as an agricultural holding differed from country to country, the number of holdings for the 83 countries are far from comparable. The differences in criteria were greater for holdings of small size (i.e., those with an area under 1 hectare), and more comparable data can be obtained when the group under 1 hectare is disregarded and especially when the holdings are classified by size of holding. Thus some tables in this volume show figures for 1 hectare and over, by size groups. However, the number of holdings does indicate the general conditions and distribution of agricultural production for the various countries. In many countries with large numbers of very small holdings, agriculture is often the main economic activity for the households, families and individuals operating the small holdings. The smallness of the holdings represents the outstanding feature of the agriculture.

The number of holdings for each country is given in Table 1.2 and the number and area of all

holdings and of holdings of less than 1 hectare are presented in Chapter 2.

Of the 140 million holdings, over 97 million, or almost 70 percent were in the 18 Asian countries and 21 million or 15 percent were in the 17 countries in Europe. Each of the continents of Africa, North and Central America and South America contributed 6 to 8 million or less than 9 percent to the total. India had more than a third of the total number of holdings in the 83 countries and India, Indonesia and Pakistan together accounted for more than half of all holdings in the 83 countries.

In order to obtain more meaningful comparisons between countries and in order to present measures of the significance for the number and area of agricultural holdings, data have been arranged by size of holdings for 81 countries, in Table 1.4. Interpolations of data have been made in order to provide statistics for uniform-size groups. It should be noted that the area on which the size classification was based was not uniform for all countries. (See section 2.3 in Chapter 2 for full description of size groups and interpolation.) The countries for which the size classification was not based on total area are listed in Table 2.1 in Chapter 2, and the area on which the size classification is based is described in this table. The number of size groups for which data have been developed for all countries have been limited to 11 because available data were not considered adequate to prepare satisfactory estimates for a larger number of size groupings for all countries.

Of the 140 150 000 holdings included in the 83 countries of Table 1.2, size distributions were not available for 1 841 000. No size distributions were available for Greece, with 1 156 000 holdings, or for Central African Republic, with 231 500, and accordingly these two countries have been excluded from Table 1.4. The other countries for which size distributions were only partly available were: Southern Rhodesia, lacking 431 000, Argentina 14 583, and Kenya 7 500. Thus groupings by size of holding are published for 138 309 000 holdings. Of this total, 84.4 million are shown in Table 1.4; another 53.9 million holdings were less than 1 hectare in size and are presented in Table 2.10 in Chapter 2.

Data on the size distribution of these 53.9 million holdings are available for a limited number of countries and are presented in Table 1.6. The

total number of holdings under 1 hectare in the countries listed in Table 1.6 total 48.6 million including 1.7 million holdings without lands and represent more than nine tenths of all holdings under 1 hectare. More than half of these 48.6 million holdings under 1 hectare had an area of less than 0.5 hectare.

Four fifths of the holdings of less than 1 hectare were in Asia. These small holdings represented a third or more of all holdings in India, Indonesia, Japan, Republic of Korea, Federation of Malaya, Pakistan, Madagascar and United Arab Republic.

There were 84 425 000 holdings of 1 hectare or more in 81 countries as shown in Table 1.4. The percent distribution of these holdings by size was as follows:

	Million of holdings	Percent distribution
All holdings 1 hectare or over in size	84.43	100.0
1 ha and under 2	26.55	31.4
2 ha and under 5	28.73	34.0
5 ha and under 10	13.24	15.7
10 ha and under 20	7.27	8.6
20 ha and under 50	4.40	5.2
50 ha and under 100	1.97	2.3
100 ha and under 200	1.14	1.4
200 ha and under 500	0.67	0.8
500 ha and under 1 000	0.23	0.3
1 000 ha and over	0.23	0.3

Of the 84.4 million holdings of 1 hectare and over, almost two thirds were under 5 hectares and almost 9 of 10 were less than 20 hectares. Less than 3 percent of the holdings contained 100 hectares or more.

Data are given in Table 1.4 for the number of holdings by size, and in Table 1.5 for the percentage distribution of number of holdings by size for the 81 countries and for the continental totals.

For a number of countries it has not been possible to obtain data or to make interpolations for the number of holdings for the following size groupings: 20 hectares and under 50, 50 hectares and under 100, 100 hectares and under 200, 200 hectares and under 500, 500 hectares and under 1 000 and

1 000 hectares and over. For these countries the total for the highest size groups for which figures appear may contain holdings belonging in a higher size group. When listed this way, the overall total for the individual country is not distorted. Actually, the higher-size-group holdings thus contained form such a relatively small number of total holdings that in most cases they would have no significant effect upon totals for groups of countries or for all 81 countries.

The symbols ... and — appear in Tables 1.4 and 1.5 in this chapter and in Tables 2.3, 2.4, 2.6, 2.8, 2.11, 2.12, 2.13 and 2.14 in Chapter 2. Although these symbols appear throughout the volume, meaning respectively data not available and magnitude 0 or less than half the unit specified, in these two chapters they carry somewhat more information. The symbol ... indicates that the data are not available for the size groups and it is likely that there were some holdings for those groups. The symbol — indicates that it is likely that the number of holdings for the size group is small, negligible or zero. The symbols entered in the tables were determined after examination of all available data relating to size distributions for the country and represent reasonable approximations.

Data are available for a number of countries for the subdivision of the size group 2 hectares and under 5 hectares into 3 size groups. They appear in Table 1.6. The total number of holdings 2 hectares and under 5 in the 81 countries totals 28.7 million (Table 1.4). The total number of holdings 2 hectares and under 5 for which size classifications appear in Table 1.6 is 25.3 million. Likewise, data are available for a number of countries for the classifications of holdings 1 000 hectares and over into two size groups: 1 000 hectares and under 2 500 hectares, and 2 500 hectares and over. Holdings 1 000 hectares and over in size totalled 226 000 for the 81 countries (Table 1.4). The further breakdown of this size group given in Table 2.5 in Chapter 2 is for 129 000 of these holdings. Of the remaining 97 000 holdings for which a further classification by size is not available, almost half are in the United States of America and Canada.

The comparison of the number of holdings in 1960 with those in 1950 and 1930 is presented together with the comparison of area of holdings in section 2.6, Chapter 2. (See also Tables 2.10, 2.11 and 2.13 in Chapter 2.)

TABLE 1.1 - FACTORS IN DEFINITION OF HOLDING AFFECTING NUMBER OF HOLDINGS

	Factors reducing number of holdings					Factors increasing number of holdings
	Holdings with land		Holdings without land, i.e. with livestock or products and no land or less than minimum area	Value of sales	Other factors limiting number of holdings	
	Minimum area of total land	Specific considerations for crops	Minimum number of livestock or poultry			
EUROPE						
Austria	0.5 ha	Fruit, vine growing and horticultural holdings with products for sale were included when minimum area was less than 0.5 ha	—	—	—	Includes forestry holdings
Belgium	0.01 ha (cultivated land)	—	1 horse, 1 cattle, 1 sow or boar for breeding, 3 pigs for fattening, 3 sheep, 3 goats, 20 poultry, 20 rabbits, 2 beehives	Regular sales	—	—
Denmark	0.55 ha (agricultural land)	—	Holdings without agricultural land and those with less than 0.55 ha provided they kept some livestock	—	—	—
Finland	0.25 ha (arable land plus garden area) or 0.50 ha (agricultural land)	—	—	—	Communal areas of 2 ha or more with any livestock or poultry or with 0.25 ha of arable land or with 0.5 ha of agricultural land	—
France	1 ha (for general agricultural production) or 0.2 ha (for specialized agriculture, i. e. market garden, kitchen garden, tree or fruit crops, flowers or grapes)	—	—	—	—	—
Germany, Fed. Rep. of	0.5 ha	Commercial horticultural holdings, and vineyards with less than 0.5 ha were included	—	—	—	—
Greece	0.1 ha (agricultural land)	10 or more productive olive trees regardless of area of agricultural land	1 cow, 2 horses, 2 mules, 2 asses, 2 buffaloes, 5 sheep, 5 goats, 5 pigs, 50 poultry, 20 beehives	—	—	—
Ireland	0.1012 ha	—	—	—	Holdings operated under conacre not counted as separate holdings	—
Italy	None	Small orchards for home consumption excluding raising of livestock or poultry on small scale if not part of a holding	—	—	Holdings operated by sharecroppers not counted as separate holdings	Includes holdings with only forestry operations
Malta and Gozo	0.1124 ha	—	—	—	—	—
Netherlands	1 ha (agricultural land)	All market gardens regardless of area of agricultural land	1 cattle, 1 pig for breeding, 3 pigs for fattening, 3 sheep, 51 poultry	—	—	—

TABLE 1.1 - FACTORS IN DEFINITION OF HOLDING AFFECTING NUMBER OF HOLDINGS (continued)

	Factors reducing number of holdings					Factors increasing number of holdings
	Holdings with land		Holdings without land, i.e. with livestock or products and no land or less than minimum area	Value of sales	Other factors limiting number of holdings	
	Minimum area of total land	Specific considerations for crops				
Norway	0.51 ha (agricultural land)	—	—	—	—	Holdings with land in more than 1 commune counted in each commune
Poland	0.1 ha	—	—	—	Land operated by collectives or government, and land operated by workers on those holdings were included as a single holding. Land operated by labourers on state farms and land operated individually by members of collectives were not counted as holdings.	—
Spain	None	—	2 cattle, 2 horses, 2 asses, 2 mules, 2 goats, 2 pigs, 20 poultry (hens, ducks, geese), 2 beehives	—	—	Includes holdings with only forestry operations
Sweden	Any agricultural land	—	—	—	—	—
United Kingdom	0.4 ha (agricultural land)	—	—	—	17 750 not statistically significant holdings excluded	—
Yugoslavia	0.1 ha (cropland)	All holdings with sale of vegetables, flowers, tobacco, etc. regardless of area of cultivated land	1 cow, 1 calf or 1 heifer, 5 sheep, 3 pigs, 4 pigs and sheep, 59 poultry, 20 beehives	—	Each collective included as 1 holding	—
NORTH AND CENTRAL AMERICA						
Antigua and Barbuda	None	12 bearing fruit trees, 12 bearing banana plants, 12 bearing plantain plants, 0.05 ha of vegetables, food and cash crops	—	—	—	—
Barbados	None	10 bearing fruit trees, bananas or plantains, plants or 0.05 ha of vegetables, food or cash crops	1 cattle, 2 pigs, 2 sheep, 2 goats, combined total of 2 for pigs, sheep and goats, 12 fowl	—	—	—
Canada	0.4 ha	—	—	\$50 (for census year) or \$250 for the year following	Community pastures included as 1 holding; uncultivated land in Indian reservations not leased included as 1 holding	—
Costa Rica	0.6989 ha	—	—	—	—	—
Dominican Republic	None	—	—	—	—	Each part of holding owned by each landlord included as a separate holding

TABLE 1.1 - FACTORS IN DEFINITION OF HOLDING AFFECTING NUMBER OF HOLDINGS (continued)

	Factors reducing number of holdings					Factors increasing number of holdings
	Holdings with land		Holdings without land, i.e. with livestock or products and no land or less than minimum area	Value of sales	Other factors limiting number of holdings	
	Minimum area of total land	Specific considerations for crops				
			Minimum number of livestock or poultry			
El Salvador	None	—	Excluding holdings without land or pastures producing livestock or livestock products	—	—	—
Guatemala	None	—	—	Holdings with agricultural land or pastures in urban areas cultivating vegetables or fruit trees for sale or other crops if producing more than one quintal in the agricultural year	Each community with agricultural land used by its members was considered as 1 holding	—
Jamaica	0.4047 ha	1 «square» of cultivated crops, 12 main commercial fruit trees	1 cattle, 2 pigs, 2 goats, 2 sheep, 12 poultry, 6 beehives	—	—	—
Mexico	None	—	—	—	Each ejido included as only 1 holding	Includes holding with only forest operations
Nicaragua	None	—	—	—	Beekeeping holdings excluded	—
Panama	0.5 ha	—	—	—	Approximately 8 300 holdings of indigenous population not included	—
Puerto Rico	None	Any crops	Any livestock, 15 poultry	—	Land used by agregados and sharecroppers (medianeros) not included as holding	—
Trinidad and Tobago	0.4 ha	0.5 ha cultivated, 10 bearing fruit trees, 10 bearing banana plants, 10 bearing plantain plants, 0.05 ha in vegetables, food and cash crops	1 head of cattle, 2 pigs, 2 sheep, 2 goats, total of 2 for pigs, sheep and goats, 12 poultry	—	—	—
United States	4.047 ha if sales of \$50 or more; or less than 4.047 ha if sales of \$250	—	—	\$50 (if area = 4.047 ha or more, \$250 if area less than 4.047 ha)	—	—
Virgin Islands (U.K.)	None	10 bearing fruit trees, 10 bearing banana plants, 10 bearing plantain plants, 0.05 ha in vegetables, food and cash crops	1 head of cattle, 2 pigs, 2 sheep, 2 goats, total of 2 for pigs, sheep and goats, 12 poultry	—	—	—
Virgin Islands (U.S.)	1.414 ha	—	—	\$100 (if area was less than 1.414 ha)	—	—

TABLE 1.1 - FACTORS IN DEFINITION OF HOLDING AFFECTING NUMBER OF HOLDINGS (continued)

	Factors reducing number of holdings					Factors increasing number of holdings
	Holdings with land		Holdings without land, i.e. with livestock or products and no land or less than minimum area	Value of sales	Other factors limiting number of holdings	
	Minimum area of total land	Specific considerations for crops				
			Minimum number of livestock or poultry			
SOUTH AMERICA						
Argentina	None	—	—	—	Holdings operated by sharecroppers and vineyards, operated by contractors, included in holdings of owner	—
Brazil	None	—	—	—	Kitchen gardens for home use excluded	—
Chile	0.1 ha (cropland) 0.5 ha (natural pastures if used for feeding livestock)	—	10 beehives, 1 adult animal (horse,cattle,mule), 2 young animals (horses or cattle), 5 sheep, goats, pigs or auchenia; 25 geese, turkeys or rabbits; 100 cocks, hens or pullets	—	Land owned or operated by a community and indigenous groups included as 1 holding	Includes holdings with only forestry operations
Colombia	None	—	—	—	—	—
Paraguay	None	—	—	—	—	—
Peru	None	—	—	—	Land owned or operated by a community included as 1 holding	—
Surinam	0.12 ha (agricultural land)	Any crops for sale (if area was less than 0.12 ha)	2 cows, 2 pigs, 100 chickens (only if for sale)	—	—	—
Uruguay	1 ha	—	—	—	—	—
Venezuela	None	—	—	—	—	—
ASIA						
Brunei	0.1012 ha (cropland)	15 coconut trees, 10 fruit trees, 10 sago palms	1 cattle, 1 buffalo, 3 pigs, 3 goats, 30 poultry	M\$200 or U.S. \$65 (if not qualifying by other criteria)	—	Holdings operated jointly included as separate holdings
Ceylon	None	—	2 cattle, 2 buffaloes, 5 sheep, goats and pigs (taken together) or 20 chickens and other poultry	—	—	—
China (Taiwan)	0.0194 ha (cropland)	—	3 pigs, 1 cattle (excluding oxen), 100 poultry	NT \$4 000 (U.S. \$100) if not qualifying under other criteria)	—	—
India	None	—	—	—	Holdings used only as pasture for livestock or production of livestock products not included	Holdings operated jointly by members of different households included as separate holdings

TABLE 1.1 - FACTORS IN DEFINITION OF HOLDING AFFECTING NUMBER OF HOLDINGS (continued)

	Factors reducing number of holdings					Factors increasing number of holdings
	Holdings with land		Holdings without land, i.e. with livestock or products and no land or less than minimum area	Value of sales	Other factors limiting number of holdings	
	Minimum area of total land	Specific considerations for crops				
			Minimum number of livestock or poultry			
Indonesia	0.1 ha	—	10 cattle, 10 buffaloes, 10 horses, 50 pigs, 50 goats, 50 sheep, 100 poultry	—	Holders living in urban areas and having holdings in rural areas excluded from the census. Land used by squatters and others in the area of estates not included as separate holding	—
Iran	None	—	—	—	—	—
Iraq	None	—	—	—	Sharecroppers (288 692) not counted as separate holdings	—
Japan	0.1 ha (cropland) (eastern Japan) 0.05 ha (cropland) (western Japan)	—	—	Y 20 000 (U.S. \$55) if not qualifying by other criteria	Holdings (7 260) operated by agricultural enterprise other than farm households excluded	—
Korea, Rep. of	0.0991 ha (cropland)	—	—	—	—	—
Lebanon	0.1 ha (agricultural land)	—	—	—	—	—
Malaya, Fed. of	0.1012 ha (agricultural land) (40.47 ha of cropland for "estates")	—	—	—	Each group settlement included as a single holding	—
North Borneo	0.2023 ha (agricultural land)	—	—	—	Land used in partnership or in common with other households not included as a holding	—
Pakistan	None	—	1 cattle or buffalo, 5 sheep or goats, 20 poultry	—	Holdings operated separately by members of same household counted as one holding	—
Philippines	0.1 ha (cropland)	—	20 livestock, 100 poultry	—	—	—
Sarawak	0.2023 ha (agricultural land)	—	—	—	Land used in partnership or in common with other households not included as a holding	—
Thailand	0.16 ha (cropland)	0.04 ha vegetables regardless of minimum area	1 cattle, 1 water buffalo, 5 pigs, 5 goats, 5 sheep, 100 chickens and/or ducks	B 2 400 (U.S. \$100) if not qualifying by other criteria	—	—
Turkey	None	—	—	—	—	—
Viet-Nam, Rep. of	0.1 ha (agricultural land)	—	1 cow, 1 ox, 1 buffalo, 1 pig, 30 poultry (hens, cocks, ducks)	—	Establishments producing only rabbits, beehives, pigeons, etc. not counted as holdings	—

TABLE 1.1 - FACTORS IN DEFINITION OF HOLDING AFFECTING NUMBER OF HOLDINGS (*concluded*)

	Factors reducing number of holdings					Factors increasing number of holdings
	Holdings with land		Holdings without land, i.e. with livestock or products and no land or less than minimum area	Value of sales	Other factors limiting number of holdings	
	Minimum area of total land	Specific considerations for crops	Minimum number of livestock or poultry			
AFRICA						
Central African Republic	None	—	—	—	—	—
Kenya	None	—	—	—	—	—
Lesotho	None	—	—	—	Holdings operated by missions and the Government excluded. All holdings of members of household included as 1 holding	—
Libya	0.1 ha irrigated land or 0.5 ha non-irrigated arable land	5 producing date palms, 5 producing olive trees, (regardless of minimum area)	10 sheep, 10 goats or sheep or goats with 1 cattle, 1 camel or 1 horse	—	—	—
Madagascar	None	—	—	—	—	—
Mali	None	—	—	—	—	—
Morocco	None	—	—	—	—	—
Portuguese Guinea	None	—	—	—	Land used for pasture not included	—
Senegal	None	—	—	—	—	—
Seychelles	0.8094 ha	—	—	—	—	—
South Africa	None	—	—	—	In urban areas holdings not producing for sale excluded	—
Southern Rhodesia ¹	10.11 ha	—	—	—	—	—
South West Africa	None	—	—	—	In urban areas holdings not producing for sale excluded	—
Tanganyika (commercial holdings only)	None	—	—	—	Land operated by African labour force not counted as separate holding	—
Togo	None	—	—	—	—	—
Tunisia	None	—	—	—	—	—
Uganda	None	—	—	—	—	—
United Arab Republic	None	—	—	—	—	—
Zambia ¹	10.11 ha	—	—	—	—	—
OCEANIA						
American Samoa	None	Any crops	Any livestock or 5 or more poultry	—	—	—
Australia	0.4047 ha	—	—	—	—	—
Guam	None	Any crops	Any livestock or 5 or more poultry	—	—	—
New Zealand	4.047 ha	—	—	—	—	—

¹ Holdings operated by Europeans only.

TABLE 1.2 - NUMBER OF HOLDINGS BY COUNTRY AND TOTAL POPULATION PER HOLDING

	Year to which data relate	Number of holdings	Popu- lation per hold- ing	Remarks relating to completeness of census and factors affecting comparability of count of holdings with that of other countries
EUROPE		21 145 247	16	
Austria	1960	396 530	18	Includes holdings with only forestry operations.
Belgium	1959	269 069	34	Excludes 743 122 occasional producers of agricultural products not for sale.
Denmark	1959	196 506	23	
Finland	1959	387 962	11	
France	1963	1 899 170	25	Excludes holdings without land.
Germany, Fed. Rep. of ...	1960	1 709 084	31	Excludes 17 490 communally operated pastures with an area of 134 135 ha.
Greece	1961	1 156 172	7	
Ireland	1960	360 113	8	
Italy	1961	4 294 004	12	
Malta and Gozo	1960	11 747	28	Totals do not include data for 539 or 4.2 percent of the holdings.
Netherlands	1959	300 702	38	
Norway	1959	198 315	18	Totals do not include data for 235 605 holdings with less than 0.51 ha of agricultural land.
Poland	1960	3 601 895	8	Holdings operated by labourers on state holdings, and holdings operated individually by members of collective holdings not counted as separate holdings.
Spain	1962	3 007 626	10	
Sweden	1961	264 580	28	
United Kingdom	1960	467 580	112	Excludes 17 750 "statistically insignificant holdings" in England and Wales.
Yugoslavia	1960	2 624 192	7	
NORTH AND CENTRAL AMERICA		7 183 086	129	
Antigua and Barbuda	1961	5 747	10	
Barbados	1961	27 912	8	
Canada	1961	480 903	38	
Costa Rica	1963	64 621	22	
Dominican Republic	1960	447 098	7	
El Salvador	1961	224 289	11	
Guatemala	1964	417 344	10	
Jamaica	1961	158 941	10	
Mexico	1960	1 365 141	112	Holdings include 18 699 ejidos having 1 597 691 members in- cluding 73 895 who did not own land.
Nicaragua	1963	102 201	15	
Panama	1960	95 505	11	Approximately 8 300 holdings operated by indigenous population not included.
Puerto Rico	1959	45 792	51	Count of holdings does not include 31 250 parcelas (holders with places of less than 1.2 ha) and 4 200 sharecroppers.
Trinidad and Tobago	1963	35 796	25	
United States	1959	3 710 503	48	
Virgin Islands (U.K.)	1961	792	10	
Virgin Islands (U.S.)	1960	501	62	
SOUTH AMERICA		6 731 837	20	
Argentina	1960	471 756	44	Sharecroppers and contractor-operated vineyards not counted as holding.
Brazil	1960	3 337 769	21	
Chile	1965	258 657	34	Totals do not include Pascua Island with 50 holdings, having 35 499 ha.
Colombia	1960	1 209 672	13	Department of Chocó and National Territories not included in census.
Paraguay	1961	160 777	11	
Peru	1961	869 945	12	
Surinam	1959	16 239	15	
Uruguay	1961	86 928	30	
Venezuela	1961	320 094	24	
ASIA		97 132 396	9	
Brunei	1964	6 306	15	
Ceylon	1962	1 169 801	9	
China (Taiwan)	1960	808 267	13	
India	1960	48 882 000	9	Excludes holdings in Ladakh district of Jammu, Kashmir, North East Frontier Agency, Andamar and Malabar Islands, Laccadive and Amindivi Islands.
Indonesia	1963	12 237 590	8	Excludes holdings in West Irian and Maluku Provinces and hold- ings operated by persons living in urban areas.
Iran	1960	1 877 299	111	Census excluded 272 616 ha of land under temporary fallow.
Iraq	1958	253 254	112	Count of holdings does not include 288 682 sharecroppers.
Japan	1960	6 056 534	15	Excludes 7 260 enterprises with 19 840 ha of cultivated land and 254 119 households having 6 944 ha of cultivated land that operated tracts of land of less than minimum size of holding.
Korea, Rep. of	1961	2 331 834	11	
Lebanon	1961	127 123	17	
Malaya, Fed. of	1960	452 189	15	Places with less than 0.1012 ha excluded. Also excluded are urban areas with 1 000 or more households and some urban areas with less than 5 percent of households engaged in agri- culture and some areas of shifting agriculture.

TABLE 1.2 - NUMBER OF HOLDINGS BY COUNTRY AND TOTAL POPULATION PER HOLDING (*concluded*)

	Year to which data relate	Number of holdings	Population per holding	Remarks relating to completeness of census and factors affecting comparability of count of holdings with that of other countries
North Borneo	1961	42 974	11	Holdings in 2 out of 22 districts and holdings in inaccessible areas in parts of 11 other districts excluded from census.
Pakistan	1960	12 154 928	8	
Philippines	1960	2 166 216	13	Excludes Jammu, Kashmir, areas occupied by nomadic tribes in West Pakistan.
Sarawak	1960	44 712	17	
Thailand	1963	3 214 405	9	Part of country not included in census. Holdings not included may total 50 000.
Turkey	1963	3 409 846	9	
Viet-Nam, Rep. of	1960	1 897 118	7	Excludes holdings in parts of 2 provinces, where agricultural households comprised less than 5 percent of all households.
AFRICA		7 623 900	110	
Central African Republic ..	1960	231 500	5	Census did not include areas with a population of approximately 60 000 (of an estimated total of 1 014 000). Areas not covered by census had at least 433 000 holdings.
Kenya	1960	521 009	19	
Lesotho	1960	161 250	4	Census totals do not include data for 8 000 to 11 000 "modern" holdings.
Libya	1960	145 518	9	
Madagascar	1961	882 000	6	Census did not cover areas with a population of 31 000 (total population 527 000).
Mali	1960	280 260	14	
Morocco	1962	1 106 765	11	Census did not include "Fleuve" region.
Portuguese Guinea	1960	86 951	6	
Senegal	1960	295 400	11	Holdings include 4 503 African tribal holdings with 660 000 residential plots having arable land and/or livestock.
Seychelles	1960	1 143	37	
South Africa	1960	110 362	114	Holdings include 142 African tribal holdings with 56 000 residential plots having arable land and/or livestock.
Southern Rhodesia	1960	437 589	8	
South West Africa	1960	5 358	110	African holdings not included.
Tanganyika (commercial holdings only)	1960	1 241	..	
Togo	1961	217 127	7	Census did not cover entire area (holdings in Karamoja district and Taro Kingdom not included). A few large coffee, tea and sugar plantations were not included in the census.
Tunisia	1961	325 800	12	
Uganda	1963	1 171 000	6	Holdings operated by Africans not included.
United Arab Republic	1961	1 642 160	16	
Zambia (European and Asian holdings only)	1960	1 467	...	
OCEANIA		333 334	38	
American Samoa	1960	2 135	9	
Australia	1960	252 243	41	
Guam	1960	2 028	33	
New Zealand	1960	76 928	31	
TOTAL		140 149 800	13	

1 Estimated on basis of approximate total number of holdings.

TABLE 1.3 - DISTRIBUTION OF NUMBER OF HOLDINGS, NUMBER OF COUNTRIES AND POPULATION BY SIZE GROUP OF POPULATION PER HOLDING

	Total	Countries with total population per holding of:				
		Under 10	10 to 19	20 to 29	30 to 39	40 and over
EUROPE						
Number of countries	17	4	5	4	3	1
Number of holdings (1 000)	21 145	7 742	8 284	2 372	2 279	468
Population (1 000)	341 029	59 337	95 454	60 212	73 674	52 352
NORTH AND CENTRAL AMERICA						
Number of countries	16	2	8	2	1	3
Number of holdings (1 000)	7 183	475	2 369	100	481	3 757
Population (1 000)	251 231	3 266	47 222	2 291	18 269	180 183
SOUTH AMERICA						
Number of countries	9	—	4	2	2	1
Number of holdings (1 000)	6 732	—	2 257	3 657	346	472
Population (1 000)	137 235	—	27 759	77 342	11 284	20 850
ASIA						
Number of countries	18	7	11	—	—	—
Number of holdings (1 000)	97 132	82 966	14 167	—	—	—
Population (1 000)	913 463	718 421	195 042	—	—	—
AFRICA						
Number of countries	17	9	7	—	1	—
Number of holdings (1 000)	7 621	3 854	3 766	—	1	—
Population (1 000)	95 613	29 775	65 796	—	42	—
OCEANIA						
Number of countries	4	1	—	—	2	1
Number of holdings (1 000)	333	2	—	—	79	252
Population (1 000)	12 733	20	—	—	2 438	10 275
TOTAL						
Number of countries	81	23	35	8	9	6
Number of holdings (1 000)	140 146	95 039	30 844	6 130	3 185	4 948
Population (1 000)	1 751 304	810 819	431 273	139 845	105 707	263 660

TABLE 1.4 - NUMBER OF HOLDINGS 1 HECTARE AND OVER BY SIZE

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE	15 701 654	2 868 176	4 997 144	3 770 749	2 375 652	1 251 222	278 622	96 424	41 848	13 101	8 716
Austria	363 075	50 477	83 313	72 106	78 205	60 587	11 571	4 369	1 447	500	500
Belgium	195 456	37 685	52 536	52 536	35 165	12 305	1 873	309	—	—	—
Denmark	193 243	7 978	26 343	54 405	56 356	41 677	5 188	1 041	255	—	—
Finland	331 263	46 435	101 173	101 848	62 224	17 961	84 900	237	4 080	—	—
France	1 805 160	153 740	300 150	364 020	484 980	393 900	—	19 390	—	—	—
Germany, Fed. Rep. of	1 390 772	232 431	388 749	343 769	287 037	122 296	13 771	2 102	617	—	—
Ireland	277 539	10 515	64 208	64 208	81 745	64 461	15 413	3 565	756	—	—
Italy	2 878 433	799 820	1 063 514	560 738	288 383	117 391	28 086	11 677	5 698	1 751	1 375
Malta and Gozo	6 247	3 173	2 503	516	48	7	—	157	—	—	—
Netherlands	229 228	31 389	55 184	61 570	54 442	24 615	1 871	—	—	—	—
Norway	178 901	40 889	75 527	42 126	15 074	4 870	372	43	2 888	—	—
Poland	2 947 235	523 292	1 092 258	938 130	350 544	33 450	2 810	1 170	17 151	2 183	510
Spain	2 050 864	411 783	620 018	417 125	300 996	196 001	51 672	24 556	8 360	6 728	4 834
Sweden	262 836	29 916	66 635	75 017	53 446	30 226	5 410	2 186	—	—	—
United Kingdom	438 630	42 736	77 809	58 582	72 192	97 467	53 673	25 026	596	1 635	1 170
Yugoslavia	2 152 752	445 867	951 556	564 006	154 815	34 008	677	596	—	304	327
NORTH AND CENTRAL AMERICA	6 125 031	570 185	863 360	552 754	662 697	1 203 966	1 083 974	691 074	334 989	90 763	71 269
Antigua and Barbuda	2 168	1 654	394	48	23	13	10	11	15	—	—
Barbados	1 412	927	210	36	29	32	66	71	41	—	—
Canada	477 206	6 094	9 162	10 733	21 157	114 115	112 699	121 071	64 904	13 570	3 701
Costa Rica	61 149	6 622	13 376	9 616	9 480	12 265	5 473	2 333	1 376	362	246
Dominican Republic	245 591	94 829	88 124	30 403	17 526	10 149	2 593	1 118	—	156	120
El Salvador	118 604	47 943	37 343	13 750	8 665	6 454	2 391	1 045	700	189	124
Guatemala	285 466	104 975	105 012	37 607	20 016	9 766	3 744	2 174	1 352	567	253
Jamaica	85 789	40 087	30 389	10 347	2 479	1 478	381	238	175	175	—
Mexico	955 188	171 540	317 615	94 319	103 012	99 573	59 091	42 264	30 382	14 792	22 600
Nicaragua	97 040	12 581	26 460	14 594	12 591	14 850	8 309	4 446	2 300	541	368
Panama	90 546	13 193	25 540	18 086	14 897	12 038	4 329	1 574	665	133	91
Puerto Rico	45 792	12 744	13 784	8 499	5 454	3 077	1 172	1 062	—	—	—
Trinidad and Tobago	26 295	7 149	11 676	5 076	4 403	580	201	119	55	37	—
United States	3 631 724	49 626	183 825	299 438	445 876	919 495	883 492	513 533	232 439	60 234	43 766
Virgin Islands (U.K.)	145	76	288	129	47	32	5	1	—	—	—
Virgin Islands (U.S.)	454	—	162	73	42	49	19	14	12	7	—
SOUTH AMERICA	5 877 965	780 528	1 357 658	895 593	855 204	947 843	420 883	268 426	200 697	74 422	76 711
Argentina	452 908	18 275	49 274	40 826	50 838	82 748	62 641	58 795	45 488	17 665	26 358
Brazil	3 704 292	280 763	619 119	465 684	546 079	672 675	272 661	157 422	116 645	40 765	32 480
Chile	208 299	34 699	43 761	33 076	29 976	29 360	14 785	9 164	6 998	3 156	3 324
Colombia	911 601	191 347	267 187	169 145	114 231	86 789	39 990	22 317	13 693	4 141	2 761
Paraguay	152 840	18 870	47 752	37 735	26 451	13 700	3 053	1 699	1 310	641	1 629
Peru	550 320	185 767	220 740	76 372	31 481	17 995	6 643	4 284	3 400	1 519	2 119
Surinam	13 034	4 431	5 549	1 925	729	261	53	26	30	22	8
Uruguay	86 928	5 456	7 313	13 028	14 032	15 715	9 490	7 387	6 986	3 712	3 809
Venezuela	297 743	40 920	96 963	57 802	41 387	28 600	11 567	7 332	6 147	2 802	4 223

TABLE 1.4 - NUMBER OF HOLDINGS 1 HECTARE AND OVER BY SIZE (concluded)

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
ASIA	52 007 905	20 775 637	19 845 102	7 400 937	3 021 519	833 937	101 850	16 466	7 779	2 582	2 096
Brunei	3 812	1 214	1 764	619	172	32	8	—	2	1	—
Ceylon	405 649	221 593	145 380	24 493	8 311	3 299	1 166	643	764	—	—
China (Taiwan)	260 636	183 805	71 729	4 812	32	33	37	78	101	—	—
India	28 985 000	10 879 000	11 547 000	4 245 000	1 791 000	471 000	52 000	166	269	181	504
Indonesia	3 660 834	2 222 941	1 124 147	222 095	68 963	21 568	—	—	—	—	—
Iran	1 384 993	256 496	474 457	340 037	233 757	77 714	8 446	2 647	1 123	316	1 187
Iraq	180 144	30 187	40 719	30 945	30 882	29 675	9 012	3 662	2 582	1 293	—
Japan	2 144 839	1 586 879	454 096	67 659	29 645	6 560	—	—	—	—	—
Korea, Rep. of	676 997	562 343	114 654	7 277	3 017	1 304	299	106	30	4	—
Lebanon	58 998	23 708	23 253	—	—	—	—	—	—	—	—
Malaya, Fed. of	285 297	135 863	118 857	22 865	4 363	1 047	966	424	410	260	242
North Borneo	33 764	7 999	15 578	7 334	1 953	768	47	23	40	—	22
Pakistan	6 231 635	2 421 004	2 480 465	916 699	310 016	82 992	15 568	4 891	—	—	—
Philippines	1 916 443	642 060	863 796	289 730	99 831	16 338	2 466	1 180	1 042	—	—
Sarawak	37 427	6 208	15 517	9 862	4 394	1 336	110	—	—	—	—
Thailand	2 586 953	687 240	1 163 611	579 556	139 505	16 715	326	2 499	1 333	491	97
Turkey	2 326 752	494 623	863 470	561 732	291 693	99 785	11 029	2 499	1 333	27	44
Viet-Nam, Rep. of	827 752	412 474	326 609	70 222	13 985	3 771	370	147	83	—	—
AFRICA	4 382 801	1 549 429	1 656 188	601 214	330 854	110 752	29 171	19 306	31 035	20 684	34 168
Kenya	388 209	133 300	153 800	65 307	32 461	260	269	387	1 142	697	586
Lesotho	110 176	42 380	57 083	9 146	1 227	140	—	—	—	—	—
Libya	128 101	9 295	21 928	22 358	27 097	29 282	10 020	4 890	3 231	—	—
Madagascar	321 930	218 730	94 380	8 820	19 210	—	—	—	—	—	—
Mali	239 980	51 390	112 310	52 090	—	4 980	—	—	—	—	—
Morocco	660 353	233 627	260 711	110 239	40 916	14 860	—	—	—	—	—
Portuguese Guinea	75 260	25 385	38 198	8 735	2 639	303	—	—	—	—	—
Senegal	231 900	64 300	102 500	47 200	17 900	—	—	—	—	—	—
Seychelles	1 021	272	340	130	104	78	40	31	20	4	2
South Africa	109 715	482	5 013	6 196	6 407	8 674	6 819	10 342	23 570	17 552	24 660
Southern Rhodesia (European holdings)	7 064	—	—	—	169	445	454	462	992	1 419	3 123
South West Africa	5 256	5	11	51	27	48	18	14	23	36	5 023
Tanganyika	906	—	—	—	76	70	50	130	240	140	200
Togo (Commercial holdings only)	152 208	57 775	66 002	22 439	4 790	1 202	8 300	3 000	1 500	600	—
Tunisia	325 800	—	133 000	73 000	64 300	42 100	—	—	—	—	—
Uganda	928 000	296 000	404 000	131 000	97 000	8 211	3 119	—	—	—	—
United Arab Republic	695 455	416 288	206 912	44 503	16 422	99	82	50	317	236	574
Zambia (European holdings)	1 467	—	—	—	109	—	—	—	—	—	—
OCEANIA	329 147	4 968	13 070	18 319	22 264	50 417	52 260	48 823	57 247	28 820	32 959
American Samoa	1 448	676	605	120	33	10	4	35 238	47 195	25 704	30 622
Australia	249 558	3 844	10 219	13 672	16 598	31 606	34 860	—	—	—	—
Guam	1 213	448	469	130	56	18 745	17 372	13 585	10 052	3 116	2 337
New Zealand	76 928	—	1 777	4 397	5 547	—	—	—	—	—	—
TOTAL	84 424 503	26 548 923	28 732 522	13 239 566	7 268 190	4 398 137	1 966 760	1 140 519	673 595	230 372	225 919

TABLE 1.5 - PERCENT DISTRIBUTION OF NUMBER OF HOLDINGS 1 HECTARE AND OVER BY SIZE

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE	100.0	18.3	31.7	24.0	15.1	8.0	1.8	0.6	0.3	0.1	0.1
Austria	100.0	13.9	23.0	19.9	21.5	16.7	...	1.2	0.4	0.1	0.1
Belgium	100.0	19.3	28.3	26.9	18.0	6.3	1.0	0.2	...	—	—
Denmark	100.0	4.1	13.6	28.2	29.2	21.6	2.7	0.5	0.1	...	—
Finland	100.0	14.0	30.5	30.8	18.8	5.4	0.4	0.1	...	—	—
France	100.0	8.5	16.6	20.2	26.9	21.8	4.7	1.1	0.2	...	—
Germany, Fed. Rep. of ...	100.0	16.7	28.1	24.7	20.6	8.8	1.0	0.1	—	—	—
Ireland	100.0	3.8	13.3	23.1	29.4	23.2	5.6	1.3	0.3	...	—
Italy	100.0	27.8	36.9	19.5	10.0	4.1	1.0	0.4	0.2	0.1	—
Malta and Gozo	100.0	50.8	40.1	8.2	0.8	0.1	...	—	—	—	—
Netherlands	100.0	13.7	24.1	26.8	23.8	10.7	0.8	0.1	...	—	—
Norway	100.0	22.9	42.3	23.5	8.4	2.7	0.2	—	—	—	—
Poland	100.0	17.8	37.1	31.8	11.9	1.1	0.1	—	0.1	0.1	—
Spain	100.0	20.1	30.2	20.4	14.7	9.6	2.5	1.2	0.8	0.3	0.2
Sweden	100.0	11.4	25.4	28.5	20.3	11.5	2.1	0.8	...	—	—
United Kingdom	100.0	9.7	17.7	13.4	16.5	22.2	12.2	5.7	1.9	0.4	0.3
Yugoslavia	100.0	20.8	44.2	26.2	7.2	1.6	—	—	—	—	—
NORTH AND CENTRAL AMERICA	100.0	9.3	14.1	9.0	10.8	19.6	17.7	11.3	5.5	1.5	1.2
Antigua and Barbuda	100.0	76.3	18.2	2.2	1.1	0.6	0.4	0.5	0.7	...	—
Barbados	100.0	65.6	14.9	2.5	2.1	2.3	4.7	5.0	2.9	...	—
Canada	100.0	1.3	1.9	2.3	4.4	23.9	23.6	25.4	13.6	2.8	0.8
Costa Rica	100.0	10.8	21.9	15.7	15.5	20.1	8.9	3.8	2.3	0.6	0.4
Dominican Republic	100.0	38.6	35.9	12.4	7.1	4.1	1.1	0.5	0.2	0.1	—
El Salvador	100.0	40.4	31.5	11.6	7.3	5.4	2.0	1.0	0.6	0.1	0.1
Guatemala	100.0	36.8	36.8	13.2	7.0	3.4	1.3	0.7	0.5	0.2	0.1
Jamaica	100.0	46.7	35.4	12.1	2.9	1.7	0.5	0.3	0.2	0.2	—
Mexico	100.0	18.0	33.2	9.9	10.8	10.4	6.2	4.4	3.2	1.5	2.4
Nicaragua	100.0	13.0	27.3	15.0	13.0	15.3	8.5	4.6	2.4	0.5	0.4
Panama	100.0	14.6	28.2	20.0	16.5	13.3	4.8	1.7	0.7	0.1	0.1
Puerto Rico	100.0	27.8	30.1	18.6	11.9	6.7	2.6	2.3	...	—	—
Trinidad and Tobago	100.0	27.2	44.4	19.3	5.3	2.2	0.8	0.5	0.2	0.1	—
United States	100.0	1.4	5.1	8.2	12.3	25.3	24.3	14.1	6.4	1.7	1.2
Virgin Islands (U.K.)	100.0	22.4	44.5	19.9	7.3	5.0	0.7	0.2	...	—	—
Virgin Islands (U.S.)	100.0	16.7	35.7	16.1	9.3	10.8	4.2	3.1	2.6	1.5	—
SOUTH AMERICA	100.0	13.3	23.1	15.2	14.5	16.1	7.2	4.6	3.4	1.3	1.3
Argentina	100.0	4.0	10.9	9.0	11.2	18.3	13.8	13.0	10.1	3.9	5.8
Brazil	100.0	8.8	19.3	14.5	17.1	21.0	8.5	4.9	3.6	1.3	1.0
Chile	100.0	16.7	21.0	15.9	14.4	14.1	7.1	4.4	3.3	1.5	1.6
Colombia	100.0	21.0	29.3	18.6	12.5	9.5	4.4	2.4	1.5	0.5	0.3
Paraguay	100.0	12.3	31.2	24.7	17.3	9.0	2.0	1.1	0.9	0.4	1.1
Peru	100.0	33.7	40.1	13.9	5.7	3.3	1.2	0.8	0.6	0.3	0.4
Surinam	100.0	34.0	42.6	14.8	5.6	2.0	0.4	0.2	0.2	0.1	0.1
Uruguay	100.0	6.3	8.4	15.0	16.1	18.1	10.9	8.5	8.0	4.3	4.4
Venezuela	100.0	13.7	32.6	19.4	13.9	9.6	3.9	2.5	2.1	0.9	1.4
ASIA	100.0	40.1	38.1	14.2	5.8	1.6	0.2	—	—	—	—
Brunei	100.0	31.9	46.3	16.2	4.5	0.8	0.2	—	0.1	—	—
Ceylon	100.0	54.6	35.8	6.0	2.1	0.8	0.3	0.2	0.2	...	—
China (Taiwan)	100.0	70.7	27.5	1.8	—	—	—	—	—	—	—
India	100.0	37.5	39.8	14.7	6.2	1.6	0.2	...	—	—	—
Indonesia	100.0	60.7	30.7	6.1	1.9	0.6	—	—	—	—	—
Iran	100.0	18.5	34.3	24.5	16.2	5.6	0.6	0.2	0.1	—	—
Iraq	100.0	16.8	22.6	17.2	17.1	16.5	5.0	2.0	1.4	0.7	0.7
Japan	100.0	74.0	21.2	3.1	1.4	0.3	...	—	—	—	—
Korea, Rep. of	100.0	83.1	16.9	...	—	—	—	—	—	—	—
Lebanon	100.0	40.2	39.4	12.3	5.1	2.2	0.6	0.2	—	—	—
Malaya, Fed. of	100.0	47.6	41.7	8.0	1.5	0.4	0.3	0.2	0.1	0.1	0.1
North Borneo	100.0	23.7	46.1	21.7	5.8	2.3	0.1	0.1	0.1	—	0.1
Pakistan	100.0	38.8	39.8	14.7	5.0	1.3	0.3	0.1	—	—	—
Philippines	100.0	33.5	45.1	15.1	5.2	0.9	0.1	0.1	—	—	—
Sarawak	100.0	16.6	41.5	26.3	11.7	3.6	0.3	...	—	—	—
Thailand	100.0	26.6	45.0	22.4	5.4	0.6	—	—	—	—	—
Turkey	100.0	21.3	37.1	24.1	12.5	4.3	0.5	0.1	0.1	—	—
Viet-Nam, Rep. of	100.0	49.8	39.5	8.5	1.7	0.4	—	—	0.1	—	—

TABLE 1.5 - PERCENT DISTRIBUTION OF NUMBER OF HOLDINGS 1 HECTARE AND OVER BY SIZE (*concluded*)

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
AFRICA	100.0	35.4	37.8	13.7	7.5	2.5	0.7	0.4	0.7	0.5	0.8
Kenya	100.0	34.3	39.6	16.8	8.4	0.1	0.1	0.1	0.3	0.2	0.1
Lesotho	100.0	38.7	51.8	8.3	1.1	0.1	...	...	...	...	...
Libya	100.0	7.3	17.1	17.4	21.2	22.9	7.8	3.8	2.5	...	...
Madagascar	100.0	68.0	29.3	2.7	...	...	...	...	...	...	...
Mali	100.0	21.4	46.8	21.7	8.0	2.1	...	...	...	...	...
Morocco	100.0	35.4	39.5	16.7	6.2	2.2	...	...	...	...	...
Portuguese Guinea	100.0	33.7	50.8	11.6	3.5	0.4	...	...	...	...	...
Senegal	100.0	27.7	44.2	20.4	7.7	...	...	...	...	...	...
Seychelles	100.0	26.7	33.3	12.7	10.2	7.6	3.9	3.0	2.0	0.4	0.2
South Africa	100.0	0.4	4.6	5.7	5.8	7.9	6.2	9.4	21.5	16.0	22.5
Southern Rhodesia	100.0	...	...	...	2.4	6.3	6.4	6.6	14.0	20.1	44.2
South West Africa	100.0	0.1	0.2	1.0	0.5	0.9	0.3	0.3	0.4	0.7	95.6
Tanganyika (commercial holdings only)	100.0	...	...	...	8.4	7.7	5.5	14.3	26.5	15.5	22.1
Togo	100.0	38.0	43.4	14.7	3.1	0.8	...	...	...	...	...
Tunisia	100.0	...	40.8	22.4	19.7	12.9	2.6	0.9	0.5	0.2	...
Uganda	100.0	31.9	43.5	14.1	10.5	...	...	...	...	...	...
United Arab Republic	100.0	59.9	29.7	6.4	2.4	1.2	0.4	...	...	...	...
Zambia (European holdings)	100.0	...	...	...	7.4	6.8	5.6	3.4	21.6	16.1	39.1
OCEANIA	100.0	1.5	4.0	5.6	6.8	15.3	15.9	14.8	17.3	8.8	10.0
American Samoa	100.0	46.6	41.8	8.3	2.3	0.7	0.3	...	...	...	...
Australia	100.0	1.5	4.1	5.5	6.6	12.7	14.0	14.1	18.9	10.3	12.3
Guam	100.0	36.9	38.7	10.7	7.1	4.6	2.0	...	...	...	...
New Zealand	100.0	...	2.3	5.7	7.2	24.4	22.6	17.7	13.1	4.0	3.0
TOTAL	100.0	31.4	34.0	15.7	8.6	5.2	2.3	1.4	0.8	0.3	0.3

TABLE 1.6 - NUMBER OF HOLDINGS UNDER 1 HECTARE AND HOLDINGS 2 TO 5 HECTARES IN SPECIFIED COUNTRIES BY SIZE

	Total number of holdings (1 000)	Holdings without land (number)	Holdings under 0.5 ha (number)	Holdings 0.5 ha and under 1 (number)	Holdings 2 ha and under 3 (number)	Holdings 3 ha and under 4 (number)	Holdings 4 ha and under 5 (number)
EUROPE	15 624	165 777	1 858 751	1 530 604	1 781 943	1 360 978	1 074 347
Finland	388	...	24 534	32 165	37 229	35 653	28 291
Germany, Fed. Rep. of ..	1 709	...	...	...	157 609	128 217	102 923
Italy	4 294	14 829	753 048	647 694	496 507	333 754	233 253
Poland	3 602	...	347 755	306 905	427 391	360 573	304 294
Spain	3 007	150 948	481 192	324 622	270 387	196 088	153 543
Yugoslavia	2 624	...	252 222	219 218	392 820	306 693	252 043
NORTH AND CENTRAL AMERICA	641	...	...	...	78 821	38 998	24 536
El Salvador	224	...	...	...	21 987	8 411	6 945
Guatemala	417	...	...	...	56 834	30 587	17 591
SOUTH AMERICA	2 820	36 447	351 275	310 620	302 905	218 087	155 411
Chile	259	5 125	20 888	24 345	16 680	14 984	12 097
Colombia	1 210	...	165 652	132 419	117 005	92 001	58 181
Paraguay	161	...	2 192	5 745	18 977	15 575	13 200
Peru	870	26 705	157 475	135 445	107 794	65 628	47 318
Venezuela	320	4 617	5 068	12 666	42 449	29 899	24 615
ASIA	95 163	1 517 029	24 141 594	17 815 313	9 853 628	5 725 684	3 813 321
China (Taiwan)	808	31 686	290 349	225 596	50 579	15 326	5 824
India	48 882	...	11 359 000	8 538 000	5 794 000	3 424 000	2 329 000
Indonesia	12 238	...	5 331 872	3 244 884	693 479	281 525	149 143
Iran	1 877	...	312 791	179 515	208 471	144 356	121 630
Japan	6 057	...	2 064 291	1 847 404	325 623	89 132	39 341
Korea, Rep. of	2 332	...	816 391	838 486	...	...	...
Lebanon	127	...	44 510	23 615	10 598	6 706	5 949
Pakistan	12 155	1 155 465	2 741 706	2 026 122	1 279 402	743 162	457 901
Philippines	2 166	...	89 093	160 680	458 914	252 484	152 398
Thailand	3 214	...	...	...	500 479	383 479	279 653
Turkey	3 410	308 899	398 866	375 329	349 096	291 121	223 253
Viet-Nam, Rep. of ..	1 897	20 979	692 725	355 682	182 987	94 393	49 229
AFRICA	3 263	6 153	456 579	434 365	439 374	233 421	158 625
Libya	146	6 153	6 118	5 146	8 218	7 896	5 814
Madagascar	...	...	299 880	260 190	60 860	22 050	11 470
Portuguese Guinea	87	...	2 844	8 847	20 355	11 066	6 777
Togo	217	...	28 737	36 182	36 129	17 909	11 964
Uganda	1 171	...	119 000	124 000	192 000	116 000	96 000
United Arab Republic	1 642	...	...	...	121 812	58 500	26 600
TOTAL	117 511	1 725 406	26 808 199	20 090 902	12 456 671	7 577 168	5 226 240

2. AREA OF AGRICULTURAL HOLDINGS

2.1 Introduction

Agricultural holdings are the operating units for agricultural production. The number and area of holdings are the basic units for describing the structure of world agriculture. They provide important measures of the distribution of agricultural operations and production.

The area of all agricultural holdings in 83 countries included in this volume totalled 2 472 million hectares and represented just under 20 percent of the world's land area of almost 13 500 million hectares.

2.2 Total area of holdings

The FAO programme suggested that the total area of the holdings include all land forming part of the holdings — arable land, land under permanent crops, land under permanent meadows and pastures, wood or forest land, and all other land. (See Chapter 3.) In the case of shifting cultivation (described in the next section) the programme proposed that the total area of the holding should consist of the area actually under crops plus the area prepared for cultivation but not planted at the time of the census.

Three countries in Europe (Denmark, Greece and Sweden) excluded wood and forest land and "all other land" from the total area of the holding. Three other countries (Iran, Morocco and Tunisia), where shifting cultivation was not the major system of land cultivation, also excluded some uses of land from the total area of the holdings. In seven African countries (Central African Republic, Lesotho, Madagascar, Mali, Portuguese Guinea, Senegal and Togo), where shifting cultivation was a usual practice, land in permanent meadows and pastures, wood or forest land, and all other land were excluded from

the total area of all holdings. Undoubtedly in other countries (India, Malaya, Fed. of, Indonesia, Philippines, Brunei, Sarawak, Venezuela, Surinam and others), where shifting cultivation was practised on part of the holdings, the area of the holding comprised only land under crops or land cultivated on holdings.

The 83 countries had a total area of 7 102 million hectares (Chapter 3, Table 3.2). About one third of this area, namely 2.5 million hectares, was in agricultural holdings (Table 2.10). In 9 countries three fourths or more of the total area was in agricultural holdings. In general, much of the land outside agricultural holdings is not suitable for crops or for pasture. However, there are large areas of land not included in agricultural holdings that were used for agricultural purposes. In the United States of America there were 129 million hectares of grazing and range land outside agricultural holdings. In Australia at least 75 million hectares of grazing land were not included in agricultural holdings. More than 11 million hectares of agricultural land were excluded from the areas of agricultural holdings in Iraq. In many countries communal or public pastures and grazing land were not included in agricultural holdings. Nomadic grazing was of particular importance in the countries along the Sahara desert in Africa, in Lebanon, Iraq and Iran.

The common system of agricultural operations in the humid tropics is characterized as shifting cultivation. This system refers to the clearing of trees, grass and other vegetation, burning them and growing crops 1 to 5 years and then allowing the natural cover to return for 5 to 15 or more years so that the soil may be regenerated. For holdings in the areas of shifting cultivation only the area under crop plus the area prepared for planting were counted as land in holdings, and therefore the fallow

area in the "bush," the surrounding forest area as well as areas used for grazing were excluded from the area of agricultural holdings.

The total area of agricultural holdings is affected by the inclusion or omission of some uses of land from the area of the holding. In 13 of the 83 countries some uses of land were excluded from the total area of the agricultural holding. In 7 of these 13 countries the total area of the holding was determined on the basis of the specifications of the FAO programme that the area of the holding under the system of shifting cultivation be limited to the area actually under crops plus the area prepared for cultivation but not planted at the time of the census.

The total area in holdings was affected by the omission of some kinds of holdings and some areas of the country from the census. Table 1.2 in Chapter 1 lists the important kinds of holdings and areas excluded from the census. Attention is called particularly to the fact that relatively large areas of holdings are excluded from Kenya, Morocco, Tanganyika, Zambia, Indonesia, North Borneo and Sarawak. Also, in a number of countries areas in community pastures and areas used for pasturing of nomadic livestock were excluded from the census.

The variation from country to country in the criteria for minimum size of holdings did not have a significant effect upon the total area of agricultural holdings, as small holdings represented only a small fraction of the area in all holdings.

The total area of all holdings was 2 471.7 million hectares (Table 2.10). More than half of this area was located in the 25 countries in the western hemisphere. Oceania had almost a fifth of the total. The largest areas in agricultural holdings were in Australia and the United States. These two countries had 37 percent of the total area in all agricultural holdings in the 83 countries. Four other countries — Argentina, Brazil, India and Mexico — each had more than 100 million hectares of land in agricultural holdings. The six countries with the largest area in agricultural holdings had two thirds of the land in all holdings in the 83 countries.

2.3 Size groups for holdings

The FAO programme proposed that the classification of the holding be based upon the total area of the holdings. The classification of holdings

according to land area provides useful and meaningful information on the organization of holdings. Land area is not a fully satisfactory measure of size of operations on holdings, because various other factors such as labour, irrigation, use of fertilizer, use of machinery and use of purchased feed help determine the productive capacity of the holdings, but it is the only measure of size for which data can be organized. For small holdings with surplus labour and for measuring size in terms of a single input, the use of size-of-holding area to measure size of agricultural operations is adequate for census purposes. Moreover, most of the 140 million holdings in the 83 countries are used for crop production, and the land area may limit the size of agricultural operations, particularly on the 80 million holdings less than 2 hectares in size.

Total area is used for the classification of holdings by size for 60 of the 81 countries for which tabulations are presented by size of holding (Table 2.3). The 21 countries using an area other than total area for the classification of holdings by size are listed in Table 2.1, together with a description of the area used for the size classification. The 21 countries include 6 African countries (Lesotho, Madagascar, Mali, Portuguese Guinea, Senegal and Togo) for which the total area of the holding consisted generally of land under crops because of the predominance of shifting cultivation.

The FAO programme suggested 18 size-of-holding groups for the purpose of making tabulations:

1. Holdings without land
2. Under 0.1 ha
3. 0.1 ha and under 0.2
4. 0.2 ha and under 0.5
5. 0.5 ha and under 1
6. 1 ha and under 2
7. 2 ha and under 3
8. 3 ha and under 4
9. 4 ha and under 5
10. 5 ha and under 10
11. 10 ha and under 20
12. 20 ha and under 50
13. 50 ha and under 100
14. 100 ha and under 200
15. 200 ha and under 500
16. 500 ha and under 1 000
17. 1 000 ha and under 2 500
18. 2 500 ha and over

Only about half of the countries used a size-of-holding classification with size grouping conforming fully or generally to the FAO specifications. The use of size groups with limits differing from those suggested by FAO occurred primarily in countries where units other than hectares were used for measuring land area. In some countries the limits of size classes were such that some size groupings were essentially the same as those proposed by FAO. (For example, in countries using acres as the unit of measuring land area, size groups with limits of 2.5, 5, 25, 50, 250 and 500 acres were approximately the same as some of the proposed FAO size classes.)

For countries with size groupings that differed from those proposed by FAO, estimates have been prepared to provide data for FAO size groupings. The countries and the size-of-holding groups for which estimates have been made are indicated in Table 2.2. The interpolations for these estimates were made as follows:

When required, each size-of-holding group used by each country was divided into suitable parts that could be regrouped to form the required size groups. The estimation of the number of holdings and area of holdings for the required size groups was based on the assumption that the distribution of the number of holdings and area of holdings within each size group used by each country could be represented by log normal curves. For many countries, log normal curves did not give acceptable results for the small size groups, and for some countries they were not acceptable for any of the size groups. For these countries, the number and area of holdings for each size group used by each country were divided in such a way that the ratio of the difference between the average size of holding and the lower limit of the size group to the difference between the lower and upper limit of the size group had the same value for each of the interpolated parts of the size group as that for the size group used by the country. For example, if in the original size group used by the country the average size of holding was one third from the lower limit in the interval between upper and lower limits, then the number and area of holdings were divided in such a way as to put the average size of holding again one third of the interval between limits in each subinterval. Estimates for size groups for items other than the number and area of holdings, i.e., for number of livestock, were made on the basis of estimates for the number of holdings.

Most of the interpolations were required for countries using acres for land measurement. For those countries the conversion of limits of size groups was made by using the rounded factor 0.4 instead of 0.40468 (1 ha = 0.40468 acre) in order to have the size groups with limits of 5, 25, 50, etc., acres correspond exactly with the size groups with limits of 2, 10, 20, etc., hectares.

Required size groups	Component parts of the required size group	Number of holdings		
		Reported by U.S.A.	Interpolated for the part not reported	Total for the required size
1	2	3	4	5
Under 1 ha	Under 1 ha	78 779	—	78 779
1 ha and under 2	1 ha and under 2	49 626	—	49 626
2 ha and under 5	2 ha and under 4 4 ha and under 5	115 923 —	— 67 902	183 825 —
5 ha and under 10	5 ha and under 10	—	299 438	299 438
10 ha and under 20	10 ha and under 12 12 ha and under 20	— 343 716	— 102 160	445 876 —
20 ha and under 50	20 ha and under 40 40 ha and under 50	— 657 990	— 261 505	919 495 —
50 ha and under 100	50 ha and under 56 56 ha and under 88 88 ha and under 100	— 603 579 —	— 133 000 146 913	883 492 — —
100 ha and under 200	100 ha and under 104 104 ha and under 200	— 471 547	— 41 986	513 533 —
200 ha and under 500	200 ha and under 400 400 ha and under 500	— 200 012	— 32 427	232 439 —
500 ha and under 1 000	500 ha and under 800 800 ha and under 1 000	— —	— 46 674 13 560	60 234 — —
1 000 ha and over	1 000 ha and under 1 200 1 200 ha and over	— 34 929	— 8 837	43 766 —
		2 556 101	1 154 402	3 710 503

The table above shows, in column 2, the subdivision, when necessary, of the size groups used in the United States of America into parts which on regrouping give the required size groups (column 1).

The data indicate that the component size groups under 1 hectare, 1 hectare and under 2, 2 hectares and under 4, 12 hectares and under 20, 20 hectares and under 40, 56 hectares and under 88, 104 hectares and under 200, 200 hectares and under 400, and 1 200 hectares and over were included entirely within required size groups. For these component parts of required size groups no interpolations were required. The interpolation to obtain the number of holdings for required size groups for the United States involved only 31 percent of the total number of holdings. Similarly, in many other countries, where interpolation was required for all or nearly all the required size groups, only a fraction of the total number of holdings was involved in the interpolation.

The size groups for which estimates were made for the number of holdings, area of holdings and the area of cropland are indicated by a cross in Table 2.2. Dash denotes that there was no need to make estimates for the size groups for which data were available. This table could also be used to determine, in most cases, the size groups for which estimates were made for items other than those mentioned in the table.

Comparative data by size of holding for the number of holdings and the area of holdings for the censuses for 1950 and 1930 have been taken from the report of the 1950 World Census of Agriculture, "Study No. 1. World Agricultural Structure. General Introduction, Number and Size of Holding."

2.4 Area of holdings by size of holding

The total area of the 140.1 million agricultural holdings was 2 471.7 million hectares. The distribution of the area in holdings by size of holding was not available for Greece, Central African Republic and for part of the holdings in Kenya, Morocco and Southern Rhodesia. The area of 1.8 million holdings for which data by size of holding are not available totalled 24.8 million hectares. Thus, data are available by size of holding for holdings with a total area of 2 446.9 million hectares. Of this total, 26.9 million hectares were in the 53.9 million holdings with less than 1 hectare of total area (Table

2.10), and 2 420 million hectares were in the 84.4 million holdings having a total area of 1 hectare or more. The distribution of the 2 420 million hectares in holdings of 1 hectare or more by size of holding is shown in Table 2.3 and percentage distribution in Table 2.4. The two tables are summarized as follows:

Size of holding	Millions of hectares	Percent distribution
All holdings 1 hectare and over	2 420.1	100.0
1 ha and under 2	40.7	1.7
2 ha and under 5	98.4	4.1
5 ha and under 10	102.1	4.2
10 ha and under 20	107.4	4.4
20 ha and under 50	140.7	5.8
50 ha and under 100	140.6	5.8
100 ha and under 200	161.3	6.7
200 ha and under 500	209.9	8.7
500 ha and under 1 000	160.0	6.6
1 000 ha and over	1 259.0	52.0

Data are available for the number of holdings of sizes 2 hectares and under 3, 3 hectares and under 4, and 4 hectares and under 5 and the figures are given in Chapter 1, Table 1.6 for countries having more than three fourths of the holdings 2 hectares and under 5. Data for the area of holdings in these size groups could be estimated on the basis of data in Table 1.6 and Table 2.3.

Data are also available in Table 2.5 for the distribution of the area of holdings of 1 000 hectares and over by two size groups: holdings 1 000 hectares and under 2 500 and holdings with 2 500 hectares and over. The countries listed have almost three fifths of the holdings with a total area of 1 000 hectares or more.

There was a wide range among countries in the distribution of area of holdings by size of holding. As can be seen from Table 2.3, in China (Taiwan), Japan, the Republic of Korea and Madagascar half or more of the area of all holdings was in holdings with an area of less than 2 hectares. On the other hand, holdings with a total area of 1 000 hectares or more accounted for half or more of the total area of all holdings in Argentina, Chile, Paraguay, Peru, Uruguay, Venezuela, South Africa, Southern Rhodesia, Tanganyika, Zambia, and Australia (Table 2.5).

It should be noted that the area of holdings has been estimated by interpolation for some or all size groups in a number of countries (see Table 2.2). For a number of countries, data giving the area of holdings for size groups 20 hectares and over were not adequate to provide figures for all size groups, and consequently the total for the highest size group for which figures appear in Tables 2.3 and 2.4 may contain area for holdings belonging in a higher size group. However, the extent of the understatement of area of size groups for which no data appear in Tables 2.3 and 2.4 is considered to be small, and the totals for size groups for groups of countries are not affected significantly.

One of the most significant features of the distribution of area of holdings by size is the concentration of a relatively large proportion of the holding area on a small proportion of the holdings. For the 81 countries the concentration of holding area is indicated by the percentage distribution of holdings and area in holdings by size of holding (Tables 1.5 and 2.4).

likely that the concentration of control over land in agricultural holdings is greater than indicated by these data.

2.5 Cropland by size of holding

Data are given in Tables 2.6, 2.7, 2.8 and 2.9 for the area of cropland by size of holding. The area of cropland was not available for uniform size groups or for all size groups for a number of countries. For these countries the area of cropland was estimated by interpolation. Knowing the total area, the percentage represented by cropland was plotted on a graph against average size of holding, for each size group for which data were available, and for each country. The percentage corresponding to average size of holding for the required size groups was then read from the graph and multiplied by the total area of holdings for the appropriate size group. The size groups for which estimates were made were generally those indicated for each country in Table 2.2.

The distribution of cropland by size of holding is available for 64 countries and is shown in Table 2.6. These 64 countries have 638.3 of 699.5 million hectares (91 percent) of the total cropland in the 83 countries. The percent distribution of cropland by size of holding is shown in Table 2.8. It differed considerably from the distribution of all land by size of holding.

Size of holding	Percent distribution	
	Number of holdings	Area in holdings
All holdings 1 hectare and over	100.0	100.0
1 ha and under 2	31.4	1.7
2 ha and under 5	34.0	4.1
5 ha and under 10	15.7	4.2
10 ha and under 20	8.6	4.4
20 ha and under 50	5.2	5.8
50 ha and under 100	2.3	5.8
100 ha and under 200	1.4	6.7
200 ha and under 500	0.8	8.7
500 ha and under 1 000	0.3	6.6
1 000 ha and over	0.3	52.0

Approximately one quarter of a million holdings or 0.3 percent of all holdings of 1 hectare or more had a total area greater than the area of the other 84 million holdings of 1 hectare or more in the 81 countries. Approximately 1.1 million of the 84.4 million holdings of 1 hectare and over contained over two thirds of the area of all holdings. These data refer to operating units and not to ownership units. Since operators of large holdings often rent or lease additional land to other holdings, it is very

Size of holding	Percent distribution	
	All land in holding ¹	Cropland in holding
All holdings	100.0	100.0
Under 1 ha	1.1	3.4
1 ha and under 2	1.7	5.3
2 ha and under 5	4.0	12.0
5 ha and under 10	4.2	11.5
10 ha and under 20	4.4	10.7
20 ha and under 50	5.8	11.8
50 ha and under 100	5.8	9.8
100 ha and under 200	6.6	11.0
200 ha and under 500	8.6	11.5
500 ha and under 1 000	6.5	5.9
1 000 ha and over	51.3	7.1

¹ Percentage distribution in this column has been derived from Table 2.4, corrected to include holdings under 1 hectare.

For holdings under 20 hectares in size, cropland represented two thirds or more of all land in the holding (see Table 2.7). For holdings of less than 5 hectares, cropland represented four fifths or more of the total area of the holding. Only 5 percent of the total area of holdings of 1 000 hectares and over was used as cropland.

Size of holding	Percent of total area of holding represented by cropland
All holdings	31
Under 1 ha	81
1 ha and under 2	85
2 ha and under 5	81
5 ha and under 10	74
10 ha and under 20	67
20 ha and under 50	55
50 ha and under 100	50
100 ha and under 200	49
200 ha and under 500	40
500 ha and under 1 000	28
1 000 ha and over	5

Table 2.9 shows the average area of total cropland per holding by size of holding. The average area of cropland per holding for all holdings was 4.8 hectares. The average area of cropland increased as the size of holding increased. The average area of cropland per holding for holdings under 1 hectare was 0.4 hectare. On the other hand the average area of cropland per holding for holdings of 1 000 hectares and over was 273.5 hectares or 684 times the average for holdings of less than 1 hectare.

Size of holding	Average area of cropland per holding (ha)
All holdings	4.8
Under 1 ha	0.4
1 ha and under 2	1.3
2 ha and under 5	2.8
5 ha and under 10	5.7
10 ha and under 20	9.9
20 ha and under 50	17.9
50 ha and under 100	35.5
100 ha and under 200	68.9
200 ha and under 500	125.6
500 ha and under 1 000	197.6
1 000 ha and over	273.5

2.6 Comparison of the number and area of holdings for the 1930, 1950 and 1960 censuses

Data have been assembled for a number of countries showing the number of holdings and the area of holdings for the 1930 and the 1950 world censuses of agriculture. These data appear in Tables 2.10, 2.11, 2.12, 2.13 and 2.14. There are numerous problems in making meaningful comparisons of data for successive censuses of agriculture. In a number of countries, concepts relating to area of the holding and definitions of holdings were changed and the criteria for the minimum size of holdings were modified. Many countries improved the methods of taking and tabulating their census so that later censuses were often more complete than earlier censuses. In the case of Finland there was a change in the territorial boundaries, but adjustments in the data have not been made to take care of such change. In order to minimize the effects of changing criteria for minimum size of holding, most comparative data presented relate only to holdings of 1 hectare and over. It should be noted also that the interval between censuses varied greatly among countries. The period between successive censuses was often greater than 10 years or 20 years. Comparisons and analysis of changes for individual countries may not be fully accurate especially for those countries which have not published comparative data or analysis of change from census to census.

In order to see more clearly the relationships between the number and area of holdings at successive censuses, the data for all countries for which data are available for both the 1950 and 1960 censuses have been arranged in one set of tables (see Tables 2.11 and 2.12), while the data for all countries for which data are available for the 1930, 1950 and 1960 censuses have been arranged in another set of tables (see Tables 2.13 and 2.14).

Comparative data for the number and area of holdings by size for the 1950 and the 1960 censuses are available for 34 countries (Tables 2.11 and 2.12). These 34 countries had 49.5 million of the 84.4 million holdings of 1 hectare and over in 1960. Almost two thirds of the countries were in Europe and North and Central America. These countries are not representative of the 83 countries, nor can data for them be used to project or to indicate the extent of changes for other countries.

For the 34 countries as a group, both the number and the area of agricultural holdings were significantly larger for the 1960 census than for the 1950 census. However, neither the direction of change nor the extent of change were the same for all the countries. For 8 of 10 countries in Europe, the number of holdings 1 hectare and over in size was less for 1960 than for 1950. In most of these 8 countries there was a decrease in small holdings as labour requirements lessened because of modern technology and as people shifted from agricultural holdings and rural areas to industry and to cities. On the other hand, in Yugoslavia there was an increase in the number of small holdings, largely as the result of subdivision of larger holdings.

In the 11 countries in North and Central America, there were conflicting trends in the number of holdings. In Canada, United States of America and Puerto Rico there were significant reductions in the number of holdings. Again, the reasons were chiefly that (1) considerable numbers of holders and their families moved from holdings and rural areas to nonfarm employment, and (2) new technology, mechanized equipment and greater efficiency of operations resulted in large-scale combinations of holdings and a net decrease of almost 2 million holdings. In the other 8 countries in North and Central America, the number of holdings for 1960 equalled or exceeded the number for 1950. In most of the 8 countries there were significantly more agricultural holdings for 1960 than for 1950 as the increase of population in rural areas was accompanied by either further subdivision of holdings or by the development of new holdings. Differences in the number of holdings in the Dominican Republic were affected by the fact that in 1960 a single holding was counted as two or more if leased from two or more landowners.

In each of the four countries in South America the number of holdings was larger for 1960 than for 1950. Increasing rural population in these countries resulted in the development of additional holdings either through subdivision of holdings or through the development of new holdings. The number of holdings for each of the size-of-holding groups for holdings under 1 000 hectares was significantly larger in 1960 than in 1950 for the four South American countries as a group.

In the three countries in Asia as a group, there were 2.7 million more holdings in 1960 than in 1950.

There were significant gains in the number of small holdings and a decrease in larger holdings as the population growth, and in some cases land reform measures brought about further subdivisions of holdings.

Data are available for 1960 and 1950 for only two countries in Africa. In South Africa, there were fewer holdings in 1960 than in 1950, while in the United Arab Republic the number of holdings increased almost 50 percent as a result of land reform measures and subdivision of holdings.

The number of holdings in the four countries in Oceania was slightly less for 1960 than for 1950. Actually there were no significant changes in the number of holdings in the four countries as most of the changes in number resulted from slight modification in the definition of a holding and in the area included in the censuses in Australia and New Zealand.

For the 34 countries the change in the number of holdings 1 to 5 hectares in size was greater than the change in the number of all holdings from 1950 to 1960. The number of holdings 5 hectares and under 10 was about 2 percent greater in 1960 than in 1950, while there was a significant decrease in the number of holdings in the two size groups 10 hectares and under 20 and 20 hectares and under 50. The number of holdings 100 hectares and over was greater for 1960 than for 1950. However, the comparisons for the individual size groups, 100 hectares and under 200, 200 hectares and under 500 hectares, 500 hectares and under 1 000, and 1 000 hectares and over cannot provide fully reliable indications of differences because data are not available for all size groups on the same basis for the two censuses, and estimates made for the number and area of holdings for some size groups for some countries are subject to considerable error. The 34-country totals for the two size groups 500 hectares and under 1 000 and 1 000 hectares and over are affected by the fact that in 1960 the number of holdings 500 hectares and over in the United States was distributed between two groups: 500 hectares and under 1 000, and 1 000 hectares and over, whereas in 1950 all these holdings were lumped in the size group 500 hectares and under 1 000.

The area of holdings of 1 hectare and over for the 34 countries as a group was almost 125 million hectares greater for 1960 than for 1950. More than three fourths of the change occurred in Austra-

lia, where additional Crown (public) lands were incorporated into holdings through leasing and through alienation to holders. There was an 18 million hectare change in the area of holdings in Brazil and a 10 million hectare change in South Africa from 1950 to 1960. The 12 million hectare difference in Sweden resulted from changes in the procedure regarding the inclusion of wood or forest lands in holdings. In most other countries the differences between the area in holdings for 1960 and 1950 censuses were relatively small.

Data are available for 15 countries for the number and area of holdings of 1 hectare and over for the 1930, 1950 and 1960 censuses. (See Tables 2.13 and 2.14.) These 15 countries contained 12.6 million holdings or less than 10 percent of the holdings included in the 1960 census for 83 countries. Generally there were fewer holdings in the western European countries (Denmark, Ireland, Netherlands and Sweden) for 1960 than for 1950 and 1930. The number of holdings in Yugoslavia increased from 1930 to 1950 to 1960. In the three countries in North and Central America there were significant decreases in the number of holdings from 1930 to 1960 in the United States and Puerto Rico, while the number of holdings increased in Mexico.

The number of holdings in the two South American countries, Brazil and Uruguay, was larger for 1960 than for 1950 or for 1930. The data for Brazil for 1930 do not include holdings of less than 5 hectares; hence the difference between the total number of holdings and the total area of holdings for 1930 and for 1950 and 1960 are overstated.

For South Africa, comparisons between 1960 and 1950 and 1930 are affected by the inclusion in 1960 totals of approximately 4 000 holdings and 16 million hectares for holdings operated by Africans (Bantu). The number of holdings of more than 1 hectare in the United Arab Republic was significantly larger for 1960 than for 1950 and for 1950 than for 1930. The drop in the number of holdings in New Zealand is largely the result of the exclusion of the holdings of less than 4 hectares from the totals for 1960.

There were significantly larger numbers of holdings for the size groups 1 hectare and under 5 and 5 hectares and under 10 in the 15 countries. On the other hand, the number of holdings for the size groups 10 hectares and under 20, 20 hectares and under 50, and 50 hectares and under 100 was

less for 1960 than for 1950 and less for 1950 than for 1930. The number of holdings for 100 hectares and under 200, 200 hectares and under 500 and 500 hectares and under 1 000 and 1 000 hectares and over was greater for 1960 than for 1950, and greater for 1950 than for 1930. It should be noted that for some countries data are not available for the number of holdings (and areas) for the size groups 50 hectares and under 100, 100 hectares and under 200, 200 hectares and under 500, 500 hectares and under 1 000 and 1 000 hectares and over. The number of holdings for the last group for which data appear may contain data for the larger size groups, as indicated by the dotted line.

The area in holdings 1 hectare and over for the 15 countries was greater for 1960 than for 1950 and greater for 1950 than for 1930. However, in several countries the differences were the result in part of changes in census procedures and concepts. The area in the Netherlands for 1960 includes approximately 230 000 hectares of wood or forest land and other land (wood or forest land and "all other land" were not included in the total area of the holding for the 1950 and 1930 censuses). Conversely, the area of holdings for Sweden for 1960 does not include wood or forest land, formerly included, and nearly all the difference in area in holdings for the 1960 and the 1950 and the 1930 censuses is the result of this exclusion.

The area of holdings operated by or for Africans (totalling approximately 16 million hectares for 1960) was included in the total for 1960, but not for the 1950 and the 1930 censuses. If adjustments were made for change in census procedures and concepts, the total area of holdings of 1 hectare or more would be slightly different from the total area of holdings in this category for the 15 countries as shown in Table 2.14. The area of holdings for 1960 differed from the area for 1950 by more than 20 million hectares for Mexico and by more than 10 million hectares for Brazil and the United States of America, rising in the first two cases and falling in the latter. Apparently the area within agricultural holdings increased significantly between 1950 and 1960 in Mexico and Brazil, while in the United States of America changes in the definition of a holding and the taking of land out of agricultural production in accordance with government farm programmes resulted in a net decrease from 1950 to 1960 of 16 million hectares in the area of holdings.

Generally the total area of holdings for all sizes of holding groups containing less than 100 hectares was smaller for 1960 than for 1950 and smaller for 1950 than for 1930. On the other hand, this was not

the case for the total area of the holdings for the size groups containing 100 hectares or more, which was greater for 1960 than for 1950 and greater for 1950 than for 1930.

TABLE 2.1 - AREA USED FOR THE CLASSIFICATION OF HOLDINGS BY SIZE, AND USE OF LAND EXCLUDED FROM TOTAL AREA¹

	Area used for classification by size	Use of land excluded from total area
EUROPE		
Belgium	Cropland plus land in permanent meadows and pastures	Wood and forest land, all other land
Denmark	Cropland plus land in permanent meadows and pastures	
Finland	Arable land	
France	Cropland plus land in permanent meadows and pastures	
Germany, Fed. Rep. of ...	Cropland plus land in permanent meadows and pastures	Wood and forest land, all other land
Greece	Data not tabulated by size	
Netherlands	Cropland plus land in permanent meadows and pastures	
Norway	Cropland plus land in permanent meadows and pastures	
Sweden	Cropland	Wood and forest land, all other land
ASIA		
Brunei	Cropland	Land in permanent meadows and pastures, all other land
China (Taiwan)	Cropland	
Iran	Cropland plus wood and forest land	
Korea, Rep. of	Cropland	
Malaya, Fed. of	Cropland	
AFRICA		
Central African Republic ..	Data not tabulated by size	Land in permanent meadows and pastures, wood and forest land, all other land
Lesotho	Arable land	Land in permanent meadows and pastures, wood and forest land, all other land
Madagascar	Cropland	Land in permanent meadows and pastures, wood and forest land, all other land
Mali	Cropland	Land in permanent meadows and pastures, wood and forest land, all other land
Morocco	Land in cultivated crops	Wood and forest land, all other land
Portuguese Guinea	Arable land	Land in permanent meadows and pastures, wood and forest land, all other land
Senegal	Cropland	Land in permanent meadows and pastures, wood and forest land, all other land
Togo	Cropland	Land in permanent meadows and pastures, wood and forest land, all other land
Tunisia	Cropland plus land in permanent meadows and pastures	Wood and forest land, all other land

¹ Total area was used as a basis for the classification of holdings by size for all countries except those listed in this table.

TABLE 2.2 - SIZE GROUPS FOR WHICH ESTIMATES WERE MADE FOR NUMBER OF HOLDINGS, AREA OF HOLDINGS AND AREA OF CROPLAND

	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE											
Austria	x	x	—	—	—	—	—	—	x	x	x
Belgium	—	x	x	—	—	—	—	—	—	—	—
Denmark	x	x	x	—	x	x	x	x	—	—	—
Ireland	x	x	x	x	x	x	x	x	x	—	—
Malta and Gozo	x	x	x	x	x	x	—	—	—	—	—
Netherlands	—	x	x	—	—	—	—	—	—	—	—
Sweden	x	x	—	—	—	—	—	—	—	—	—
United Kingdom	x	x	x	x	x	x	x	x	x	x	x
NORTH AND CENTRAL AMERICA											
Antigua and Barbuda	x	x	x	x	—	x	x	x	—	—	—
Barbados	x	x	x	x	—	x	x	x	x	—	—
Canada	x	x	x	x	x	x	x	x	x	x	x
Costa Rica	x	x	x	x	x	x	x	x	x	x	x
Dominican Republic	x	x	x	x	x	x	x	x	x	x	x
Guatemala	x	x	x	x	x	x	x	x	x	x	x
Jamaica	x	x	x	x	x	x	x	x	x	x	—
Mexico	x	x	x	—	x	x	—	—	—	—	—
Nicaragua	x	x	x	x	x	x	x	x	x	x	x
Puerto Rico	x	x	x	x	x	x	x	x	—	—	—
Trinidad and Tobago	x	x	x	x	—	x	x	x	x	x	—
United States	x	x	x	x	x	x	x	x	x	x	x
Virgin Islands (U.K.)	x	x	x	x	—	x	x	x	—	—	—
Virgin Islands (U.S.)	x	x	x	x	x	x	x	x	x	x	—
SOUTH AMERICA											
Argentina	x	x	x	x	x	x	x	—	x	x	—
Uruguay	x	x	—	—	—	—	—	—	—	—	—
ASIA											
Brunei	x	x	x	x	x	x	x	—	x	x	—
Ceylon	—	—	—	x	—	x	x	—	—	—	—
China (Taiwan)	—	—	—	x	x	x	x	x	x	x	—
India	—	x	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	x	—	x	x	x
Iran	—	—	—	—	—	—	—	x	x	—	—
Iraq	—	x	x	—	—	—	—	—	—	—	—
Lebanon	—	—	—	—	—	—	—	x	x	x	—
Malaya, Fed. of	x	x	x	x	x	x	x	x	x	x	x
North Borneo	x	x	x	x	x	x	x	x	x	—	x
Pakistan	—	—	—	—	x	x	x	x	—	—	—
Sarawak	x	x	x	x	x	x	x	—	—	—	—
Thailand	x	x	x	x	x	x	x	—	—	—	—
Turkey	—	—	—	—	—	—	—	x	x	x	x
Viet-Nam, Rep. of	—	—	—	—	x	x	—	x	x	x	x
AFRICA											
Kenya	—	—	x	x	x	—	—	—	—	—	—
Lesotho	x	x	x	x	x	x	—	—	—	—	—
Seychelles	—	—	x	x	x	x	x	—	x	x	—
South Africa	x	x	x	x	x	x	x	x	x	x	x
Southern Rhodesia	—	—	—	—	—	x	x	—	x	x	—
South West Africa	x	—	—	—	—	—	—	—	—	—	—
Tanganyika	—	—	—	—	—	—	—	—	—	—	—
(commercial holdings)	x	x	x	x	x	x	x	x	x	x	x
Tunisia	—	—	—	—	—	—	—	—	—	—	—
United Arab Republic	x	x	x	x	x	x	x	—	—	—	—
Zambia	—	—	—	—	—	—	—	—	—	—	—
(European holdings)	—	—	—	—	—	x	x	x	x	x	—
OCEANIA											
American Samoa	x	x	x	x	x	x	x	—	—	—	—
Australia	x	x	x	x	x	x	x	x	x	x	x
Guam	—	x	x	—	—	—	—	—	—	—	—
New Zealand	x	x	x	x	—	—	—	—	x	x	—

TABLE 2.3 - AREA OF HOLDINGS 1 HECTARE AND OVER BY SIZE OF HOLDING

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
						Hectares					
EUROPE	224 626 861	5 751 523	23 279 691	35 460 338	40 127 218	42 067 044	20 215 883	13 909 579	13 233 334	8 975 997	21 606 254
Austria	7 659 968	72 190	276 113	520 060	1 129 164	1 784 417	780 526	595 449	450 049	325 000	1 727 000
Belgium	1 736 245	60 447	190 066	386 882	515 136	393 201	135 298	55 215	—	—	—
Denmark	3 105 725	12 161	93 531	391 496	804 419	1 233 573	339 112	139 250	91 383	—	—
Finland	15 492 770	178 092	3 338 935	4 724 274	4 064 597	2 098 916	359 898	188 058	—	—	—
France	35 723 210	283 690	1 248 220	3 186 560	7 841 000	12 899 650	6 112 490	2 748 680	1 402 920	—	—
Germany, Fed. Rep. of	17 398 802	578 628	1 796 487	3 115 985	5 041 788	4 645 067	1 293 263	509 280	418 304	—	—
Ireland	5 753 513	20 827	136 534	506 217	1 241 532	2 010 403	1 051 773	506 795	279 432	—	—
Italy	25 862 212	1 205 767	3 495 122	3 976 421	4 008 144	3 493 262	1 944 297	1 615 243	1 221 778	3 162 888	—
Malta and Gozo	16 128	4 407	7 640	3 277	600	204	—	—	—	—	—
Netherlands	2 617 207	59 550	220 121	499 878	824 027	774 421	137 210	102 020	—	—	—
Norway	7 253 996	488 050	2 460 103	2 395 679	1 210 341	551 338	126 413	22 072	—	—	—
Poland	22 577 961	884 727	4 258 943	7 768 112	5 258 231	1 034 100	197 048	130 000	934 700	1 412 900	679 200
Spain	44 331 538	573 169	1 989 265	2 927 613	4 192 531	5 872 086	3 510 835	3 376 997	5 286 697	4 670 836	11 931 709
Sweden	3 864 834	57 670	323 370	696 408	907 936	1 027 976	413 581	437 893	—	—	—
United Kingdom	19 002 299	60 889	253 538	426 883	1 058 886	3 151 795	3 763 974	3 377 597	2 442 423	1 132 409	3 333 905
Yugoslavia	12 230 453	671 279	3 191 703	3 934 593	2 029 086	1 095 835	50 165	85 030	188 156	213 074	771 552
NORTH AND CENTRAL AMERICA	710 368 042	752 509	2 615 783	3 863 798	9 294 758	40 583 819	77 499 764	97 314 108	103 348 297	62 358 630	312 734 576
Antigua and Barbuda	12 399	2 309	1 033	297	299	433	745	1 476	5 807	—	—
Barbados	30 859	1 247	386	232	926	926	5 534	11 262	10 685	—	—
Belize	69 825 912	8 668	28 703	80 009	315 451	4 212 566	8 296 635	18 182 256	20 650 462	8 862 162	9 189 000
Costa Rica	2 665 231	9 160	40 554	66 403	134 738	373 399	370 062	313 499	406 349	252 400	696 667
Dominican Republic	2 167 402	124 190	257 186	193 285	223 542	276 379	169 350	145 415	173 866	145 189	459 000
El Salvador	1 503 966	63 545	112 542	101 564	128 207	210 343	166 273	132 381	214 079	128 145	246 887
Guatemala	3 407 669	139 401	307 272	250 678	277 376	298 165	253 679	304 457	344 747	344 747	853 125
Jamaica	54 235	54 235	77 638	79 924	33 313	44 949	28 396	36 291	92 040	269 899	—
Mexico	168 963 272	222 145	985 026	678 912	1 259 677	3 334 821	4 169 383	5 845 656	9 491 675	10 436 370	132 539 607
Nicaragua	3 813 299	14 157	74 028	98 069	167 518	430 052	514 383	531 173	626 570	360 984	996 365
Panama	1 803 502	16 174	76 531	117 756	192 215	354 651	284 437	200 673	189 310	87 305	284 450
Puerto Rico	661 244	18 211	41 896	56 536	73 200	90 987	78 225	302 189	16 765	50 055	—
Trinidad and Tobago	9 556	9 556	32 250	33 667	18 803	18 016	13 854	16 647	71 148 063	41 413 962	167 469 475
United States (U.K.)	209 413	69 454	579 206	2 105 083	6 468 815	30 935 682	63 137 117	71 288 636	—	—	—
Virgin Islands (U.K.)	454 615 493	168	848	877	622	897	325	150	3 857	7 412	—
Virgin Islands (U.S.)	17 809	89	483	506	596	1 553	1 366	1 947	—	—	—
SOUTH AMERICA	560 874 422	1 061 046	4 362 534	6 409 840	11 992 153	29 671 009	29 968 507	37 585 355	61 796 014	51 440 545	326 587 419
Argentina	175 138 705	26 975	169 868	341 530	802 157	2 983 694	5 142 664	8 778 295	14 363 518	12 181 098	130 349 906
Brazil	249 758 350	381 556	2 051 455	3 415 578	7 684 200	20 819 118	19 062 972	21 764 444	35 851 678	28 413 333	110 314 016
Chile	30 621 730	46 100	138 500	230 300	413 500	1 022 500	1 022 500	1 261 500	2 167 500	2 143 400	22 286 230
Colombia	27 205 834	270 308	836 675	1 164 749	1 572 076	2 638 701	2 680 471	2 996 152	3 994 319	2 730 764	8 321 619
Paraguay	17 469 000	28 300	161 400	283 000	396 000	479 500	229 000	254 900	458 500	480 800	14 696 800
Peru	17 592 952	245 329	661 767	477 760	409 814	519 531	433 776	541 957	1 009 081	1 022 819	12 271 118
Surinam	104 022	6 133	16 952	12 939	9 105	7 325	3 518	3 478	10 918	19 377	19 377
Uruguay	16 988 408	6 940	26 906	88 552	197 048	495 487	674 365	1 041 988	2 174 181	2 608 955	9 673 986
Venezuela	25 995 421	49 405	299 011	395 432	507 153	816 753	719 241	942 641	1 766 319	1 845 099	18 654 367

TABLE 2.3 - AREA OF HOLDINGS 1 HECTARE AND OVER BY SIZE OF HOLDING (concluded)

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
ASIA	229 364 044	30 795 181	62 529 417	51 556 234	40 676 034	22 896 624	7 108 088	2 817 028	2 790 806	1 988 525	6 206 107
Brunei	29 529	4 248	8 665	5 718	3 824	1 368	1 040	90 741	3 318	1 348	—
Ceylon	1 598 013	308 998	397 487	162 030	106 060	102 921	74 594	90 741	355 182	1 348	—
China (Taiwan)	684 180	320 991	248 922	44 546	2 729	5 803	4 167	13 900	34 730	8 392	—
India	123 047 000	16 004 000	36 717 000	29 948 000	24 352 000	12 340 000	3 686 000	26 152	88 566	135 818	1 500 291
Indonesia	10 943 489	2 942 013	3 189 261	1 447 226	891 824	722 338	—	—	—	—	—
Iran	11 157 315	371 846	1 553 906	2 413 042	3 054 502	2 209 211	563 805	371 122	313 109	306 772	—
Iraq	8 013 123	40 598	122 941	210 683	430 422	885 192	590 156	494 435	806 068	895 983	3 536 645
Japan	4 957 522	2 415 320	1 397 237	505 212	427 609	211 984	—	—	—	—	—
Korea, Rep. of	2 257 737	1 608 020	649 717	49 195	38 653	36 434	21 102	13 792	6 223	4 845	—
Lebanon	276 872	32 472	74 156	—	—	—	—	—	—	—	—
Malaya, Fed. of	1 851 698	195 348	365 200	155 218	59 140	35 006	66 252	66 300	157 511	211 153	540 570
North Borneo	242 777	242 777	46 027	51 579	21 224	26 974	3 300	3 300	17 100	—	61 420
Pakistan	26 484 519	3 498 801	7 791 885	6 312 692	4 152 273	2 359 112	1 103 903	1 225 853	633 892	—	—
Philippines	7 648 062	795 547	2 426 920	1 845 251	1 189 493	439 314	1 162 945	154 700	—	—	—
Sarawak	237 745	9 351	46 257	73 991	49 676	49 565	8 905	—	—	—	—
Thailand	10 835 898	952 141	3 683 608	3 892 116	1 769 346	497 245	41 442	334 627	349 038	405 611	408 443
Turkey	16 711 068	744 767	2 902 910	3 995 311	3 973 076	2 842 127	755 158	22 106	26 069	18 603	158 738
Viet-Nam, Rep. of	2 387 457	538 667	907 318	444 424	154 183	92 030	25 319	—	—	—	—
AFRICA	212 432 212	2 322 681	5 593 225	4 650 847	4 942 855	3 754 117	2 092 315	2 685 468	10 276 271	14 882 085	161 232 348
Kenya	4 792 470	199 345	486 175	435 116	546 484	9 025	20 234	56 009	390 846	493 676	2 155 560
Lesotho	321 606	67 129	174 860	58 875	16 121	4 621	—	613 829	1 192 556	—	—
Libya	3 864 220	10 620	64 687	149 358	355 642	841 421	636 107	—	—	—	—
Madagascar	641 900	305 360	268 685	67 855	253 859	147 987	—	—	—	—	—
Mali	1 198 332	75 733	362 376	358 377	—	—	—	—	—	—	—
Morocco	15 117 000	511 000	1 444 000	1 338 000	952 000	872 000	—	—	—	—	—
Portuguese Guinea	254 460	39 316	116 333	56 511	33 920	8 380	—	—	—	—	—
Senegal	1 038 808	95 375	334 201	329 757	279 385	—	—	—	—	—	—
Seychelles	235 523	369	1 329	977	1 329	2 432	2 831	4 091	6 129	2 780	3 642
South Africa	105 944 786	957	13 609	38 453	84 035	273 467	486 575	1 491 118	7 681 913	12 402 684	83 471 995
Southern Rhodesia (European holdings)	13 955 057	—	—	—	—	—	—	—	—	—	—
South West Africa (commercial holdings only)	61 082 869	5	35	333	2 598	17 123	32 711	66 749	356 021	1 121 399	12 358 456
Togo	974 900	84 313	203 898	149 807	63 742	1 410	11 251	1 730	8 380	27 490	61 041 892
Tunisia	5 022 000	—	307 000	512 000	888 000	1 304 000	562 000	427 000	72 100	97 500	779 900
Uganda	3 733 000	385 000	1 236 000	865 000	1 247 000	—	—	—	—	—	—
United Arab Republic	2 209 969	548 179	580 333	290 428	215 664	233 702	341 663	—	—	—	—
Zambia (European holdings)	1 721 388	—	—	—	1 633	3 885	5 743	6 342	100 326	182 556	1 420 903
OCEANIA	482 404 539	6 898	44 513	127 311	318 756	1 737 285	3 744 880	6 999 370	18 412 263	20 351 083	430 662 180
American Samoa	4 286	858	1 636	727	405	240	420	5 050 866	15 358 869	18 208 111	422 022 844
Australia	464 573 828	5 625	33 440	94 309	235 075	1 078 745	2 485 944	—	—	—	—
Guam	12 858	415	1 663	874	1 142	1 699	7 065	—	—	—	—
New Zealand	17 813 567	—	7 774	31 401	82 134	656 601	1 251 451	1 948 504	3 053 394	2 142 972	8 639 336
TOTAL	2 420 070 120	40 689 838	98 425 163	102 068 368	107 351 774	140 711 898	140 629 437	161 310 908	209 856 985	159 996 865	1 259 028 884

T 1 Land privately owned only.

TABLE 2.4 - PERCENT DISTRIBUTION OF THE TOTAL AREA OF HOLDINGS OF 1 HECTARE AND OVER BY SIZE OF HOLDING

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE	100.0	2.6	10.4	15.8	17.9	18.6	9.0	6.2	5.9	4.0	9.6
Austria	100.0	0.9	3.6	6.8	14.7	23.4	10.2	7.8	5.9	4.2	22.5
Belgium	100.0	3.5	10.9	22.3	29.7	22.6	7.8	3.2	...	—	—
Denmark	100.0	0.4	3.0	12.6	25.9	39.8	10.9	4.5	2.9	...	—
Finland	100.0	4.6	21.5	30.7	26.2	13.5	2.3	1.2	...	—	—
France	100.0	0.8	3.5	8.9	21.9	36.2	17.1	7.7	3.9	...	—
Germany, Fed. Rep. of ...	100.0	3.3	10.3	17.9	29.1	26.7	7.4	2.9	2.4	...	—
Ireland	100.0	0.4	2.4	8.8	21.6	34.8	18.3	8.8	4.9	...	—
Italy	100.0	4.7	13.5	15.4	15.6	13.5	7.5	6.2	6.7	4.7	12.2
Malta and Gozo	100.0	27.3	47.4	20.3	3.7	1.3	...	—	—	—	—
Netherlands	100.0	2.3	8.4	19.1	31.5	29.6	5.2	3.9	...	—	—
Norway	100.0	6.7	33.9	33.1	16.7	7.6	1.7	0.3	...	—	—
Poland	100.0	3.9	18.9	34.3	23.3	4.6	0.9	0.7	4.1	6.3	3.0
Spain	100.0	1.3	4.5	6.6	9.5	13.2	7.9	7.6	11.9	10.5	27.0
Sweden	100.0	1.5	8.4	18.0	23.5	26.6	10.7	11.3	...	—	—
United Kingdom	100.0	0.3	1.3	2.2	5.6	16.6	19.8	17.8	12.9	6.0	17.5
Yugoslavia	100.0	5.5	26.1	32.2	16.6	9.0	0.4	0.7	1.5	1.7	6.3
NORTH AND CENTRAL AMER- ICA	100.0	0.1	0.4	0.6	1.4	6.0	11.4	14.3	15.2	9.2	41.4
Antigua and Barbuda	100.0	18.6	8.3	2.4	2.4	3.5	6.0	11.9	46.9	...	—
Barbados	100.0	4.0	1.9	0.8	1.3	3.0	17.9	36.5	34.6	...	—
Canada	100.0	—	—	0.1	0.5	6.0	11.9	26.0	29.6	12.7	13.2
Costa Rica	100.0	0.3	1.5	2.5	5.1	14.1	13.9	11.8	15.2	9.5	26.1
Dominican Republic	100.0	5.7	11.9	8.9	10.3	12.8	7.8	6.7	8.0	6.7	21.2
El Salvador	100.0	4.2	7.5	6.8	8.5	14.0	11.1	8.8	14.2	8.5	16.4
Guatemala	100.0	4.1	9.0	7.4	8.1	8.7	7.7	8.9	10.8	10.1	25.2
Jamaica	100.0	8.1	11.6	12.0	5.0	6.7	4.3	5.4	6.3	40.6	...
Mexico	100.0	0.1	0.6	0.4	0.7	2.0	2.5	3.5	5.6	6.2	78.4
Nicaragua	100.0	0.4	1.9	2.6	4.4	11.3	13.5	13.9	16.4	9.5	26.1
Panama	100.0	0.9	4.2	6.5	10.7	19.7	15.8	11.1	10.5	4.8	15.8
Puerto Rico	100.0	2.8	6.3	8.5	11.1	13.8	11.8	45.7	...	—	—
Trinidad and Tobago	100.0	4.5	15.4	16.1	9.0	8.6	6.6	7.9	8.0	23.9	...
United States	100.0	—	0.1	0.5	1.4	6.8	13.9	15.7	15.6	9.1	36.9
Virgin Islands (U.K.)	100.0	4.3	21.8	22.6	16.0	23.0	8.4	3.9	...	—	—
Virgin Islands (U.S.)	100.0	0.5	2.7	2.8	3.3	8.7	7.7	10.9	21.7	41.7	—
SOUTH AMERICA	100.0	0.2	0.8	1.1	2.1	5.3	5.3	6.7	11.0	9.2	58.3
Argentina	100.0	—	0.1	0.2	0.5	1.7	2.9	5.0	8.2	6.9	74.5
Brazil	100.0	0.2	0.8	1.4	3.1	8.3	7.6	8.7	14.4	11.4	44.1
Chile	100.0	0.2	0.5	0.8	1.4	3.0	3.3	4.1	7.1	7.0	72.6
Colombia	100.0	1.0	3.1	4.3	5.8	9.7	9.9	11.0	14.7	10.0	30.5
Paraguay	100.0	0.2	0.9	1.6	2.3	2.7	1.3	1.5	2.6	2.8	84.1
Peru	100.0	1.4	3.8	2.7	2.3	3.0	2.5	3.1	5.7	5.8	69.7
Surinam	100.0	5.9	16.3	12.4	8.8	7.0	3.4	3.3	10.5	13.7	18.7
Uruguay	100.0	—	0.2	0.5	1.2	2.9	4.0	6.1	12.8	15.4	56.9
Venezuela	100.0	0.2	1.1	1.5	2.0	3.1	2.8	3.6	6.8	7.1	71.8
ASIA	100.0	13.4	27.3	22.5	17.7	10.0	3.1	1.2	1.2	0.9	2.7
Brunei	100.0	14.4	29.4	19.4	12.9	4.6	3.5	—	11.2	4.6	—
Ceylon	100.0	19.3	24.9	10.1	6.6	6.4	4.7	5.7	22.3	...	—
China (Taiwan)	100.0	47.0	36.4	6.5	0.4	0.8	0.6	2.0	5.1	1.2	—
India	100.0	13.0	29.8	24.3	19.8	10.0	3.1	...	...	...	—
Indonesia	100.0	26.9	29.2	13.2	8.2	6.6	—	0.2	0.8	1.2	13.7
Iran	100.0	3.3	13.9	21.6	27.4	19.8	5.1	3.3	2.8	2.8	...
Iraq	100.0	0.5	1.5	2.6	5.4	11.0	7.4	6.2	10.1	11.2	44.1
Japan	100.0	48.7	28.2	10.2	8.6	4.3	...	—	—	—	—
Korea, Rep. of	100.0	71.2	28.8	...	...	...	...	...	...	...	—
Lebanon	100.0	11.7	26.8	17.8	14.0	13.2	7.6	5.0	2.2	1.7	—
Malaya, Fed. of	100.0	10.5	19.7	8.4	3.2	1.9	3.6	3.6	8.5	11.4	29.2
North Borneo	100.0	4.9	19.0	21.2	8.7	11.1	1.4	1.4	7.0	—	25.3
Pakistan	100.0	13.2	29.4	23.8	15.7	9.1	4.2	4.6	...	...	—
Philippines	100.0	10.4	31.8	24.1	15.6	5.7	2.1	2.0	8.3	...	—
Sarawak	100.0	3.9	19.5	31.1	20.9	20.9	3.7	...	—	—	—
Thailand	100.0	8.8	34.0	35.9	16.3	4.6	0.4	...	—	—	—
Turkey	100.0	4.5	17.4	23.9	23.8	17.0	4.5	2.0	2.1	2.4	2.4
Viet-Nam, Rep. of	100.0	22.6	37.9	18.6	6.5	3.9	1.1	0.9	1.1	0.8	6.6

TABLE 2.4 - PERCENT DISTRIBUTION OF THE TOTAL AREA OF HOLDINGS OF 1 HECTARE AND OVER BY SIZE OF HOLDING (*concluded*)

	All holdings 1 ha and over	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
AFRICA	100.0	1.1	2.6	2.2	2.3	1.8	1.0	1.3	4.8	7.0	75.9
Kenya	100.0	4.2	10.1	9.1	11.4	0.1	0.4	1.2	8.2	10.3	45.0
Lesotho	100.0	20.9	54.4	18.3	5.0	1.4	...	...	...	...	...
Libya	100.0	0.3	1.7	3.9	9.2	21.8	16.6	15.9	30.6	...	...
Madagascar	100.0	47.5	41.9	10.6	...	...	...	...	...	...	...
Mali	100.0	6.3	30.3	29.9	21.2	12.3	...	...	...	...	...
Morocco	100.0	10.0	28.3	26.1	18.6	17.0	...	...	...	...	...
Portuguese Guinea	100.0	15.5	45.7	22.2	13.3	3.3	...	...	...	...	...
Senegal	100.0	9.2	32.2	31.7	26.9	...	...	...	...	...	...
Seychelles	100.0	1.4	3.7	3.8	5.2	9.5	11.1	16.0	24.1	10.9	14.3
South Africa	100.0	—	—	—	0.1	0.3	0.5	1.4	7.3	11.7	78.7
Southern Rhodesia	100.0	—	—	—	—	0.1	0.2	0.5	2.6	8.0	88.6
(European holdings)											
South West Africa	100.0	—	—	—	—	—	—	—	—	0.1	99.9
Tanganyika	100.0	—	—	—	0.1	0.3	0.3	1.9	7.4	10.0	80.0
(commercial holdings only)											
Togo	100.0	15.8	38.2	28.1	11.9	6.0	...	...	...	...	...
Tunisia	100.0	...	6.1	10.2	17.7	26.0	11.2	8.5	9.3	11.0	...
Uganda	100.0	10.3	33.1	23.2	33.4	...	...	...	...	...	...
United Arab Republic	100.0	24.8	26.2	13.1	9.8	10.6	15.5	...	...	...	...
Zambia (European holdings)	100.0	—	—	...	0.1	0.2	0.3	0.4	5.8	10.6	82.6
OCEANIA	100.0	—	—	—	0.1	0.4	0.8	1.5	3.8	4.2	89.2
American Samoa	100.0	20.0	38.0	17.0	9.4	5.6	10.0	...	...	...	...
Australia	100.0	...	...	...	0.1	0.2	0.5	1.1	3.3	3.9	90.9
Guam	100.0	3.2	12.9	6.8	8.9	13.2	55.0	...	...	...	...
New Zealand	100.0	—	—	0.2	0.5	3.7	7.0	10.9	17.1	12.0	48.6
TOTAL	100.0	1.7	4.1	4.2	4.4	5.8	5.8	6.7	8.7	6.6	52.0

TABLE 2.5 - NUMBER AND AREA OF HOLDINGS WITH 1 000 HECTARES AND OVER BY SIZE OF HOLDING

	Total number of holdings (1 000)	Total area of all holdings (1 000 ha)	Holdings with 1 000 ha and less than 2 500		Holdings with an area of 2 500 ha and over	
			Number	Area (1 000 ha)	Number	Area (1 000 ha)
EUROPE	6 918	39 025	1 255	1 904	447	2 031
Italy	4 294	26 572	1 014	1 543	361	1 620
Yugoslavia	2 624	12 453	241	361	86	411
NORTH AND CENTRAL AMERICA	2 167	178 593	12 793	22 203	10 521	112 418
Costa Rica	65	2 668	190	267	56	430
El Salvador	224	1 559	93	134	31	113
Guatemala	417	3 476	188	369	65	484
Mexico	1 365	169 084	12 259	21 345	10 341	111 195
Panama	96	1 806	63	88	28	196
SOUTH AMERICA	2 959	263 195	22 889	37 651	16 381	141 619
Argentina	472	175 142	14 899	25 774	11 459	104 576
Colombia	1 210	27 338	1 975	2 808	786	5 513
Peru	870	17 722	1 093	1 619	1 026	10 652
Uruguay	87	16 988	2 587	3 994	1 222	5 680
Venezuela	320	26 005	2 335	3 456	1 888	15 198
ASIA	253	8 039	835	1 242	352	2 295
Iraq	253	8 039	835	1 242	352	2 295
AFRICA	636	173 147	15 006	23 289	15 263	123 381
Kenya	521	6 119	311	435	275	1 721
South Africa	110	105 945	14 393	22 298	10 267	61 174
South West Africa	5	61 083	302	556	4 721	60 486
OCEANIA	329	482 390	19 455	29 631	13 504	401 031
Australia	252	464 576	17 909	27 289	12 713	394 734
New Zealand	77	17 814	1 546	2 342	791	6 297
TOTAL	13 262	1 144 389	72 233	115 920	56 468	782 775

TABLE 2.6 - AREA OF TOTAL CROPLAND BY SIZE OF HOLDING

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
<i>Thousands of hectares</i>												
EUROPE	102 780	1 583	3 114	11 611	18 289	20 476	21 478	10 405	6 828	4 843	2 403	1 750
Austria	1 661	12	35	118	223	479	567	108	47	72	...	—
Belgium	914	21	35	97	193	253	202	83	30	...	...	—
Denmark	2 744	2	11	87	362	733	1 063	288	118	80	...	—
Finland	2 597	32	67	338	720	829	489	84	38	...	...	—
France	18 148	46	132	489	1 357	3 780	6 740	3 330	1 578	696	...	—
Germany, Fed. Rep. of	7 843	120	208	729	1 473	2 379	2 035	568	331	...	—	—
Ireland	1 477	21	8	44	147	335	543	263	96	20	...	—
Italy	12 553	573	887	2 400	2 664	2 532	1 757	763	511	313	153	—
Netherlands	1 078	21	30	83	178	280	360	97	29	...	—	—
Norway	829	14	57	220	236	166	112	19	5	...	—	—
Poland	16 223	296	697	3 195	5 615	3 611	631	114	97	607	920	440
Spain	19 442	259	431	1 430	2 121	3 163	4 500	2 323	1 677	1 760	974	804
Sweden	3 342	1	44	251	572	790	922	372	390	...	...	—
United Kingdom ...	7 319	5	16	87	143	398	1 395	1 961	1 826	1 177	225	86
Yugoslavia	6 610	160	456	2 043	2 285	748	162	32	55	118	131	420
NORTH AND CENTRAL AMERICA	223 168	184	290	875	1 767	4 498	20 660	42 719	55 107	53 488	23 306	20 274
Canada	36 696	1	4	13	38	158	2 275	3 650	10 364	13 216	5 140	1 837
Costa Rica	610	2	9	27	45	59	115	97	60	71	44	81
Dominican Republic	1 807	86	115	229	162	182	211	125	106	125	110	356
El Salvador	648	48	55	83	57	59	87	60	46	62	38	53
Jamaica	221	13	28	32	25	9	11	7	8	10	78	...
Nicaragua	884	2	11	50	52	72	151	154	143	132	54	63
Panama	553	3	14	64	81	103	130	71	33	21	5	28
Puerto Rico	285	...	9	19	23	28	36	33	137	...	...	—
Trinidad and Tobago	132	5	8	22	20	11	11	8	10	8	29	—
United States	181 332	24	37	336	1 264	3 817	17 633	38 514	44 200	39 843	17 808	17 856
SOUTH AMERICA ...	48 293	329	834	2 987	3 445	4 980	8 183	5 266	4 762	6 050	3 840	7 617
Brazil	28 712	90	334	1 549	1 986	3 410	6 132	3 672	3 081	3 701	2 076	2 681
Chile	4 434	20	38	107	156	229	396	368	447	729	587	1 357
Colombia	5 047	97	206	571	651	697	823	560	470	455	234	283
Peru	2 596	112	203	487	289	195	175	105	108	149	110	663
Surinam	38	1	4	8	6	4	1	1	1	4	5	3
Uruguay	2 252	—	4	14	51	102	204	218	277	395	289	698
Venezuela	5 214	9	45	251	306	343	452	342	378	617	539	1 932
ASIA	222 063	18 101	27 934	57 424	46 820	36 048	22 485	2 579	2 099	2 106	1 592	4 875
Brunei	18	1	2	5	4	2	1	1	—	1	1	—
Ceylon	1 611	251	278	350	146	94	91	65	76	260	...	—
China (Taiwan)	792	246	258	200	34	1	1	3	12	31	6	...
India	120 268	8 284	15 116	34 055	27 369	21 763	13 681	...	...	...	...	...
Indonesia	12 851	3 238	2 711	2 976	1 339	804	630	...	6	48	87	1 012
Iran	11 320	197	370	1 544	2 406	3 047	2 206	563	680	307	...	—
Iraq	7 461	24	37	112	190	382	785	532	459	762	858	3 320
Japan	6 046	1 988	2 210	1 155	362	261	70	...	...	...	...	—
Korea, Rep. of	1 887	841	752	294	...	...	...	...	...	...	...	—
Lebanon	255	24	29	67	43	34	31	12	9	6	...	—
Malaya, Fed. of ...	1 768	88	182	346	148	57	31	62	60	140	188	466
North Borneo	159	4	10	35	37	15	18	40	...	...	...	—
Pakistan	22 819	1 793	3 110	6 926	5 422	3 256	1 460	494	358	...	...	—
Philippines	6 696	119	774	2 333	1 642	968	343	124	113	280	...	—
Sarawak	208	3	8	41	64	43	42	7	...	...	...	—
Thailand	9 782	272	866	3 315	3 386	1 503	440	...	...	...	...	—
Turkey	15 701	423	725	2 811	3 805	3 679	2 571	663	319	260	445	...
Viet-Nam, Rep. of	2 421	305	496	859	423	139	84	13	7	11	7	77

TABLE 2.6 - AREA OF TOTAL CROPLAND BY SIZE OF HOLDING (*concluded*)

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
<i>Thousands of hectares</i>												
AFRICA	28 909	1 245	1 852	3 778	2 940	2 300	2 015	1 015	961	3 381	3 237	6 184
Kenya	1 280	50	122	238	148	143	3	8	21	126	134	287
Lesotho	353	31	67	175	59	16	5	...	...	...	...	...
Libya	2 509	4	9	60	132	299	652	437	354	562	...	...
Madagascar	917	275	305	269	68	...	...	...	...	...	...	...
Mali	1 221	22	76	362	358	254	72	77	...	...	...	...
Morocco	15 500	383	511	1 444	1 338	952	872	...	...	...	...	...
Portuguese Guinea	263	8	39	116	57	34	9	...	...	...	...	...
Senegal	1 072	33	95	334	330	279	...	...	...	...	...	...
Seychelles	14	...	...	...	1	1	2	2	3	3	1	1
South Africa	12 058	...	1	7	20	49	148	204	582	2 689	3 101	5 257
South West Africa	642	...	...	...	...	...	...	...	1	1	1	639
Togo	570	36	84	204	150	64	32	...	...	...	...	...
United Arab Republic	2 510	403	543	569	279	209	220	287	...	...	...	...
OCEANIA	13 086	2	2	13	37	82	248	447	808	3 225	3 277	4 945
Australia	13 086	2	2	13	37	82	248	447	808	3 225	3 277	4 945
TOTAL	638 299	21 444	34 026	76 688	73 298	68 384	75 069	62 431	70 565	73 093	37 655	45 645

¹ Land privately owned only.

TABLE 2.7 - PERCENT TOTAL CROPLAND OF ALL LAND IN HOLDINGS BY SIZE OF HOLDING
(See Table 2.1 for specifications for the classification of oldings by size)

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
	Percent											
EUROPE	45	52	54	50	52	51	51	51	48	33	20	10
Austria	22	48	48	43	43	42	32	14	8	3	...	...
Belgium	52	68	58	51	50	49	51	62	55	...	...	...
Denmark	88	94	90	93	92	91	86	85	85	88	...	...
Finland	16	7	9	10	15	20	23	23	20	...	...	...
France	51	65	46	39	43	48	52	54	57	50	...	...
Germany, Fed. Rep. of	44	19	36	41	47	47	44	44	36	...	...	...
Ireland	26	66	39	32	29	27	27	25	19	7	...	...
Italy	47	81	74	69	67	63	50	39	32	18	3	...
Netherlands	41	52	51	38	36	34	46	71	29	...	...	...
Norway	11	12	12	9	10	14	20	15	21	...	...	...
Poland	71	84	92	88	84	80	71	63	65	65	65	65
Spain	44	81	75	72	72	75	77	66	50	33	21	7
Sweden	86	76	76	78	82	87	90	90	89	...	...	...
United Kingdom ...	38	26	26	34	34	38	44	52	54	48	20	3
Yugoslavia	53	72	68	64	58	37	15	64	65	63	61	54
NORTH AND CENTRAL AMERICA	41	88	75	66	60	58	56	58	60	57	45	11
Canada	53	68	46	45	47	50	54	44	57	64	58	20
Costa Rica	23	82	95	67	67	44	31	26	19	17	17	12
Dominican Republic	80	95	93	89	84	82	76	74	73	72	76	77
El Salvador	42	87	87	73	56	46	41	36	35	29	30	21
Jamaica	33	51	51	41	31	27	24	23	22	23	29	...
Nicaragua	23	76	78	68	53	43	35	30	27	21	15	6
Panama	31	88	89	84	69	54	37	25	16	11	6	10
Puerto Rico	43	...	51	46	40	38	40	42	45	...	...	...
Trinidad and Tobago	61	90	89	68	59	58	58	60	57	48	47	...
United States	40	53	53	58	60	59	57	61	62	56	43	11
SOUTH AMERICA ...	13	82	83	74	60	46	31	21	17	13	10	4
Brazil	11	86	88	75	58	44	29	19	14	10	7	2
Chile	14	87	83	77	68	55	43	36	35	34	27	6
Colombia	18	74	76	68	56	44	31	21	16	11	9	3
Peru	15	87	83	74	60	48	34	24	20	15	11	5
Surinam	36	68	63	53	48	39	16	14	19	32	35	16
Uruguay	13	...	52	52	58	52	41	32	27	18	11	7
Venezuela	20	90	90	84	77	68	55	48	40	35	29	10
ASIA	89	84	91	92	91	89	84	74	62	77	79	87
Brunei	55	41	41	60	72	63	62	56	...	29	51	...
Ceylon	85	86	90	88	90	89	88	87	84	73	...	...
China (Taiwan) ...	77	71	81	80	77	16	20	63	84	89	74	...
India	91	94	94	93	91	88	85	...	23	54	64	67
Indonesia	88	88	92	93	93	90	87	...	...	...	...	...
Iran	100	99	100	99	100	100	100	100	99	99	...	...
Iraq	93	94	91	91	90	89	89	90	93	95	96	94
Japan	85	91	91	83	72	61	33	...	...	...	...	...
Korea, Rep. of ...	39	33	47	45	...	87	85	...	65	58	...	...
Lebanon	84	88	89	91	...	...	...	...	...	...	...	...
Malaya, Fed. of ...	91	88	93	95	95	96	89	94	90	89	89	86
North Borneo	64	87	86	77	71	72	68	46	...	...	...	...
Pakistan	80	85	89	89	86	78	61	45	29	...	...	...
Philippines	86	96	97	96	89	81	78	76	73	44	...	...
Sarawak	86	89	89	88	87	86	85	82	...	...	...	...
Thailand	88	90	91	90	87	85	82	...	86	74	55	...
Turkey	92	98	97	97	95	93	90	88	86	...	...	...
Viet-Nam, Rep. of	88	84	92	95	95	90	91	52	32	40	40	49

TABLE 2.7 - PERCENT TOTAL CROPLAND OF ALL LAND IN HOLDINGS BY SIZE OF HOLDING (*concluded*)
(See Table 2.1 for specifications for the classification of holdings by size)

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
	<i>Percent</i>											
AFRICA	15	98	96	93	90	82	86	65	44	36	25	4
Kenya	21	69	61	49	34	26	32	40	37	32	27	13
Lesotho	100	100	100	100	100	100	100	...	...	...	...	...
Libya	65	90	89	90	88	84	76	69	58	47	...	...
Madagascar	100	100	100	100	100	...	...	...	...	...	...	...
Mali	100	100	100	100	100	100	100	...	...	...	...	...
Morocco	51	100	100	100	100	100	100	...	...	...	...	...
Portuguese Guinea..	100	100	100	100	100	100	100	...	...	...	...	...
Senegal	100	100	100	100	100	100	...	...	...	...	...	...
Seychelles	54	...	...	...	...	98	81	77	67	51	50	18
South Africa	11	99	53	49	52	58	54	42	39	35	25	6
South West Africa	1	...	20	34	68	41	23	26	30	7	4	1
Togo	100	100	100	100	100	100	100	...	...	...	...	...
United Arab Re- public	96	100	99	98	97	94	84	...	...	...	...	...
OCEANIA	3	99	36	39	39	35	23	20	16	21	18	1
Australia	3	99	36	39	39	35	23	20	16	21	18	1
TOTAL	31	81	85	81	74	67	55	50	49	40	28	5

TABLE 2.8 - PERCENT DISTRIBUTION OF TOTAL CROPLAND BY SIZE OF HOLDING

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE	100.0	1.6	3.0	11.3	17.8	19.9	20.9	10.1	6.7	4.7	2.3	1.7
Austria	100.0	0.7	2.1	7.1	13.4	28.9	34.1	6.5	2.9	4.3	...	—
Belgium	100.0	2.3	3.8	10.7	21.1	27.7	22.0	9.1	3.3	...	—	—
Denmark	100.0	—	0.4	3.2	13.2	26.7	38.8	10.5	4.3	2.9	...	—
Finland	100.0	1.2	2.6	13.0	27.7	32.0	18.8	3.2	1.5	...	—	—
France	100.0	0.3	0.7	2.7	7.5	20.8	37.2	18.3	8.7	3.8	...	—
Germany, Fed. Rep. of	100.0	1.5	2.6	9.3	18.8	30.5	25.9	7.2	4.2	...	—	—
Ireland	100.0	1.4	0.5	3.0	10.0	22.7	36.7	17.8	6.5	1.4	...	—
Italy	100.0	4.6	7.1	19.1	21.1	20.2	14.0	6.1	4.1	2.5	1.2	—
Netherlands	100.0	2.0	2.8	7.7	16.5	26.0	33.3	9.0	2.7	...	—	—
Norway	100.0	1.7	6.8	26.6	28.5	20.1	13.5	2.3	0.5	...	—	—
Poland	100.0	1.8	4.3	19.7	34.6	22.3	3.9	0.7	0.6	3.7	5.7	2.7
Spain	100.0	1.3	2.2	7.4	10.9	16.3	23.2	11.9	8.6	9.1	5.0	4.1
Sweden	100.0	—	1.3	7.5	17.1	23.6	27.7	11.1	11.7	...	—	—
United Kingdom	100.0	—	0.2	1.2	2.0	5.4	19.1	26.8	24.9	16.1	3.1	1.2
Yugoslavia	100.0	2.4	6.9	30.9	34.5	11.3	2.5	0.5	0.8	1.8	2.0	6.4
NORTH AND CENTRAL AMERICA	100.0	0.1	0.1	0.4	0.8	2.0	9.2	19.2	24.7	24.0	10.5	9.0
Canada	100.0	—	—	—	0.1	0.4	6.2	9.9	28.2	36.2	14.0	5.0
Costa Rica	100.0	0.4	1.4	4.4	7.3	9.8	18.8	15.9	9.8	11.6	7.2	13.4
Dominican Republic	100.0	4.8	6.4	12.7	9.0	10.1	11.7	6.9	5.9	6.9	6.1	19.5
El Salvador	100.0	7.4	8.5	12.7	8.8	9.1	13.5	9.2	7.1	9.6	5.9	8.2
Jamaica	100.0	6.0	12.6	14.4	11.2	4.1	4.9	2.9	3.6	4.4	35.9	...
Nicaragua	100.0	0.2	1.2	5.7	5.9	8.1	17.1	17.4	16.2	14.9	6.1	7.2
Panama	100.0	0.5	2.6	11.5	14.7	18.6	23.6	12.9	6.0	3.7	0.9	5.0
Puerto Rico	100.0	...	3.3	6.8	7.9	10.0	12.8	11.6	47.6	...	—	—
Trinidad and Tobago	100.0	3.8	6.3	16.6	15.1	8.3	8.0	6.3	7.2	6.1	22.3	—
United States	100.0	—	—	0.2	0.7	2.1	9.7	21.2	24.4	22.0	9.8	9.9
SOUTH AMERICA ...	100.0	0.7	1.7	6.2	7.1	10.3	16.9	10.9	9.9	12.5	7.9	15.9
Brazil	100.0	0.3	1.2	5.4	6.9	11.9	21.4	12.8	10.7	12.9	7.2	9.3
Chile	100.0	0.4	0.9	2.4	3.5	5.2	8.9	8.3	10.1	16.4	13.2	30.7
Colombia	100.0	1.9	4.1	11.3	12.9	13.8	16.3	11.1	9.3	9.0	4.6	5.7
Peru	100.0	4.3	7.8	18.7	11.1	7.5	6.7	4.0	4.1	5.8	4.2	25.8
Surinam	100.0	3.3	10.2	23.8	16.3	9.4	3.4	1.3	1.7	9.3	13.1	8.2
Uruguay	100.0	—	0.2	0.6	2.3	4.5	9.1	9.7	12.3	17.6	12.8	30.9
Venezuela	100.0	0.2	0.9	4.8	5.9	6.6	8.7	6.6	7.3	11.8	10.3	36.9
ASIA	100.0	8.1	12.6	25.8	21.1	16.2	10.1	1.2	0.9	0.9	0.7	2.4
Brunei	100.0	6.8	9.7	29.4	23.3	13.6	4.8	3.3	—	5.3	3.8	—
Ceylon	100.0	15.6	17.3	21.7	9.1	5.9	5.6	4.0	4.7	16.1	...	—
China (Taiwan)	100.0	31.1	32.7	25.2	4.3	—	0.1	0.4	1.5	3.9	0.8	...
India	100.0	6.9	12.6	28.3	22.7	18.1	11.4	...	—	—	—	—
Indonesia	100.0	25.1	21.1	23.2	10.4	6.3	4.9	...	—	0.4	0.7	7.9
Iran	100.0	1.7	3.3	13.6	21.3	26.9	19.5	5.0	6.0	2.7	...	—
Iraq	100.0	0.3	0.5	1.5	2.5	5.1	10.5	7.1	6.2	10.2	11.5	44.6
Japan	100.0	32.9	36.5	19.1	6.0	4.3	1.2	...	—	—	—	—
Korea, Rep. of	100.0	44.6	39.8	15.6	...	...	...	...	...	...	...	...
Lebanon	100.0	9.4	11.4	26.4	16.8	13.2	12.1	4.7	3.5	2.5	...	—
Malaya, Fed. of ...	100.0	5.0	10.3	19.6	8.4	3.2	1.8	3.5	3.4	7.9	10.6	26.3
North Borneo	100.0	2.2	6.4	22.3	23.1	9.6	11.5	24.9	...	—	—	—
Pakistan	100.0	7.8	13.6	30.3	23.8	14.3	6.4	2.2	1.6	...	—	—
Philippines	100.0	1.8	11.6	34.8	24.5	14.5	5.1	1.8	1.7	4.2	...	—
Sarawak	100.0	1.2	4.0	19.6	30.9	20.6	...	3.5	...	—	—	—
Thailand	100.0	2.8	8.8	33.9	34.6	15.4	4.5	...	—	—	—	—
Turkey	100.0	2.7	4.6	17.9	24.2	23.4	16.4	4.2	2.1	1.7	2.8	...
Viet-Nam, Rep. of	100.0	12.6	20.5	35.5	17.5	5.7	3.5	0.5	0.3	0.4	0.3	3.2

TABLE 2.8 - PERCENT DISTRIBUTION OF TOTAL CROPLAND BY SIZE OF HOLDING (*concluded*)

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
AFRICA	100.0	4.3	6.4	13.1	10.2	8.0	7.0	3.5	3.3	11.7	11.2	21.3
Kenya	100.0	3.9	9.5	18.6	11.6	11.2	0.2	0.6	1.6	9.8	10.5	22.5
Lesotho	100.0	8.8	19.0	49.6	16.7	4.6	1.3	—	—	—	—	—
Libya	100.0	0.2	0.4	2.3	5.2	11.9	26.0	17.4	14.1	22.5	...	—
Madagascar	100.0	30.0	33.3	29.3	7.4	...	—	—	—	—	—	—
Mali	100.0	1.8	6.2	29.7	29.4	20.8	5.9	6.2	...	—	—	—
Morocco	100.0	7.0	9.3	26.2	24.3	17.3	15.9	...	—	—	—	—
Portuguese Guinea..	100.0	3.1	15.0	44.3	21.5	12.9	3.2	...	—	—	—	—
Senegal	100.0	3.1	8.9	31.2	30.7	26.1	...	—	—	—	—	—
Seychelles	100.0	—	—	—	2.5	9.5	14.4	15.9	20.0	22.9	10.1	4.7
South Africa	100.0	—	—	0.1	0.2	0.4	1.2	1.7	4.8	22.3	25.7	43.6
South West Africa	100.0	—	—	—	—	—	—	0.1	0.1	0.1	0.2	99.5
Togo	100.0	6.3	14.8	35.8	26.3	11.2	5.6	...	—	—	—	—
United Arab Re- public	100.0	16.1	21.6	22.7	11.1	8.3	8.8	11.4	...	—	—	—
OCEANIA	100.0	—	—	0.1	0.3	0.7	1.9	3.4	6.2	24.6	25.0	37.8
Australia	100.0	—	—	0.1	0.3	0.7	1.9	3.4	6.2	24.6	25.0	37.8
TOTAL	100.0	3.4	5.3	12.0	11.5	10.7	11.8	9.8	11.0	11.5	5.9	7.1

TABLE 2.9 - AVERAGE AREA OF TOTAL CROPLAND PER HOLDING BY SIZE OF HOLDING
(See Table 2.1 for specifications for the classification of holdings by size)

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
	<i>Hectares</i>											
EUROPE	5.1	0.4	1.1	2.3	4.9	8.6	17.2	37.4	70.4	114.7	171.9	255.9
Austria	4.2	0.3	0.7	1.4	3.1	6.1	9.4	9.3	10.8	29.3	...	...
Belgium	3.4	0.3	0.9	1.8	3.7	7.2	16.3	44.5	98.4	...	...	...
Denmark	14.0	0.7	1.4	3.3	6.7	13.0	25.5	55.5	113.4	314.5	...	...
Finland	6.7	0.6	1.4	3.3	7.1	13.3	27.2	63.1	160.0	...	...	...
France	9.6	0.5	0.9	1.6	3.7	7.8	17.1	39.2	81.4	170.5	...	...
Germany, Fed. Rep. of	4.6	0.4	0.9	1.9	4.3	8.3	16.6	41.2	121.8	...	...	...
Ireland	4.1	0.3	0.8	1.2	2.3	4.1	8.4	17.1	26.9	26.6	...	...
Italy	2.9	0.4	1.1	2.3	4.7	8.8	15.0	27.2	43.8	55.0	48.8	...
Netherlands	3.6	0.3	1.0	1.5	2.9	5.1	14.6	52.0	186.8	...	...	...
Norway	4.2	0.7	1.4	2.9	5.6	11.0	23.0	50.4	105.7	...	...	...
Poland	4.5	0.5	1.3	2.9	6.0	10.3	18.9	40.6	82.9	210.2	421.4	863.0
Spain	6.5	0.3	1.0	2.3	5.1	10.5	23.0	45.0	68.3	102.6	144.8	166.4
Sweden	12.6	0.7	1.5	3.8	7.6	8.5	30.5	68.7	178.3	...	...	...
United Kingdom ..	15.7	0.1	0.4	1.1	2.4	5.5	14.3	36.6	72.9	140.7	137.6	73.6
Yugoslavia	2.5	0.3	1.0	2.1	4.1	4.8	4.8	47.6	93.0	197.6	429.5	1 284.8
NORTH AND CENTRAL AMERICA	41.6	0.4	1.0	2.0	4.2	8.3	18.9	41.3	85.2	176.4	309.1	418.3
Canada	76.3	0.4	0.7	1.4	3.5	7.5	19.9	32.4	85.6	203.6	378.8	496.2
Costa Rica	9.4	0.7	1.3	2.0	4.6	6.3	19.4	17.7	25.6	51.3	120.8	331.0
Dominican Republic	4.0	0.4	1.2	2.6	5.3	10.4	20.8	48.3	94.8	218.8	708.0	2 947.7
El Salvador	2.9	0.5	1.2	2.2	4.1	6.8	13.4	25.0	44.2	89.1	203.2	426.0
Jamaica	1.4	0.2	0.7	1.0	2.4	3.6	7.3	17.1	33.6	55.4	452.4	...
Nicaragua	8.6	0.4	0.9	1.9	3.6	5.7	10.2	18.5	32.2	57.4	99.8	170.7
Panama	5.8	0.5	1.1	2.5	4.5	6.9	10.8	16.5	21.0	31.1	36.2	308.3
Puerto Rico	6.2	...	0.7	1.4	2.7	5.1	11.8	28.1	128.4	...	...	...
Trinidad and Tobago	3.7	0.5	1.2	1.9	3.9	7.8	18.1	41.5	79.8	145.5	799.1	...
United States	48.9	0.3	0.7	1.8	4.2	8.6	19.2	43.6	86.1	171.4	295.6	408.0
SOUTH AMERICA ...	7.9	0.4	1.1	2.4	4.2	6.4	9.6	14.8	22.9	39.3	68.4	156.4
Brazil	8.6	0.7	1.2	2.5	4.3	6.2	9.1	13.5	19.6	31.7	50.9	82.5
Chile	17.1	0.4	1.1	2.4	4.7	7.6	13.5	24.9	48.7	104.2	186.0	408.5
Colombia	4.2	0.3	1.1	2.1	3.8	6.1	9.5	14.0	21.1	33.2	56.6	102.6
Peru	3.0	0.4	1.1	2.2	3.8	6.2	9.7	15.8	25.1	44.0	72.4	313.0
Surinam	2.3	0.4	0.9	1.6	3.2	4.9	5.0	9.5	24.9	117.5	225.7	384.8
Uruguay	25.9	...	0.7	1.9	3.9	7.3	13.0	22.9	37.5	56.6	77.8	183.1
Venezuela	16.3	0.4	1.1	2.6	5.3	8.3	15.8	29.6	51.6	100.3	192.3	457.9
ASIA	2.3	0.4	1.3	2.9	6.3	11.9	25.4	52.0	106.9	276.3	709.7	2 466.0
Brunei	2.8	0.5	1.4	3.0	6.7	14.0	26.4	72.5	...	475.0	681.0	...
Ceylon	1.4	0.3	1.3	2.4	6.0	11.4	27.6	56.0	118.2	339.7	...	...
China (Taiwan)	1.0	0.4	1.4	2.8	7.1	13.6	34.3	75.9	149.2	305.1	688.7	...
India	2.5	0.4	1.4	2.9	6.4	12.2	29.0	...	...	...	...	...
Indonesia	1.1	0.4	1.2	2.6	6.0	11.7	29.2	...	36.1	178.4	480.7	2 008.2
Iran	6.0	0.4	1.4	3.3	7.1	13.6	28.4	66.6	139.4	277.3	970.1	...
Iraq	29.5	0.3	1.2	2.8	6.1	12.4	26.5	59.0	125.3	295.1	663.6	2 796.7
Japan	1.0	0.5	1.4	2.5	5.4	8.8	10.8	...	...	...	...	...
Korea, Rep. of	0.8	0.5	1.3	2.6	...	...	...	...	...	...	...	...
Lebanon	2.0	0.4	1.2	2.9	5.9	11.1	23.6	40.4	84.9	215.1	...	...
Malaya, Fed. of ...	3.9	0.5	1.3	2.9	6.5	13.1	29.6	64.2	141.5	341.5	723.1	1 926.2
North Borneo	3.7	0.4	1.3	2.3	5.0	7.8	23.8	298.2	...	...	...	...
Pakistan	1.9	0.3	1.3	2.8	5.9	10.5	17.6	31.7	73.2	...	...	...
Philippines	3.1	0.5	1.2	2.7	5.7	9.7	21.0	50.2	95.5	268.7	...	...
Sarawak	4.7	0.4	1.3	2.6	6.5	9.7	31.5	66.1	...	...	...	...
Thailand	3.0	0.4	1.3	2.8	5.8	10.8	26.3	...	...	...	...	...
Turkey	4.6	0.4	1.5	3.3	6.8	12.6	25.8	60.1	115.6	217.6	757.5	...
Viet-Nam, Rep. of	1.3	0.3	1.2	2.6	6.0	9.9	22.2	35.5	48.1	126.6	240.8	1 759.6

TABLE 2.9 - AVERAGE AREA OF TOTAL CROPLAND PER HOLDING BY SIZE OF HOLDING (*concluded*)
(See Table 2.1 for specifications for the classification of holdings by size)

	All holdings	Under 1 ha	1 ha and under 2	2 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
	<i>Hectares</i>											
AFRICA	5.3	0.5	1.5	3.4	7.4	13.6	29.6	50.0	61.2	120.8	177.0	204.3
Kenya	2.5	0.6	0.9	1.5	2.3	4.4	11.2	29.7	53.0	109.9	192.7	490.3
Lesotho	2.2	0.4	1.6	3.1	6.4	13.1	33.0	...	...	...	...	...
Libya	17.2	0.2	1.0	2.6	5.9	11.0	22.3	43.6	72.3	174.5	...	...
Madagascar	1.0	0.5	1.4	2.9	7.7	...	...	...	...	...	...	...
Mali	4.4	0.6	1.5	3.2	6.9	13.2	29.7	...	...	...	...	...
Morocco	5.0	0.9	2.2	5.5	12.1	23.3	58.7	...	...	...	...	...
Portuguese Guinea..	3.0	0.7	1.5	3.0	6.5	12.9	27.7	...	...	...	...	...
Senegal	3.6	0.5	1.5	3.3	7.0	15.6	...	...	...	...	...	...
Seychelles	12.0	...	...	...	...	12.5	25.3	54.5	88.4	157.8	347.5	325.0
South Africa	109.3	0.2	1.0	1.3	3.2	7.6	17.1	29.9	56.3	114.1	176.7	213.2
South West Africa	119.8	...	0.1	1.1	4.5	5.2	6.8	18.3	37.4	26.4	28.7	127.1
Togo	2.6	0.6	1.5	3.1	6.7	13.3	26.8	...	...	...	...	...
United Arab Re- public	1.5	0.4	1.3	2.7	6.3	12.7	26.8	91.9	...	...	...	...
OCEANIA	51.9	0.7	0.5	1.3	2.7	4.9	7.8	12.8	22.9	68.3	127.5	161.5
Australia	51.9	0.7	0.5	1.3	2.7	4.9	7.8	12.8	22.9	68.3	127.5	161.5
TOTAL	4.8	0.4	1.3	2.8	5.7	9.9	17.9	35.5	68.9	125.6	197.6	273.5

TABLE 2.10 - NUMBER AND AREA OF ALL HOLDINGS AND OF HOLDINGS OF LESS THAN 1 HECTARE:
CENSUSES OF 1960, 1950 AND 1930

	Total number of all holdings (1 000)			Area of all holdings (1 000 ha)			Number of holdings of less than 1 hectare (1 000)			Area of holdings of less than 1 hectare (1 000 ha)			Year to which data relate		
	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930
EUROPE	21 145	...	...	231 338	...	...	4 289	...	...	3 036	...	...			
Austria	397	421	396	7 684	7 717	7 616	34	35	29	24	25	20	1960	1951	1930
Belgium	269	264	292	1 767	1 801	1 866	74	11	—	31	6	—	1959	1950	1929
Denmark	197	207	204	3 108	3 157	3 176	4	3	3	2	3	2	1959	1949	1933
Finland	388	336	240	15 960	15 306	14 000	57	31	22	467	238	250	1959	1950	1929
France	1 899	2 260	3 966	35 794	...	45 090	94	150	1 014	71	...	67 551	1963	1955	1929
Germany, Fed. Rep. of	1 709	2 051	...	18 024	22 173	...	318	...	...	625	...	...	1960	1949	...
Greece	1 156	...	953	3 673	...	3 880	...	...	355	...	...	175	1961	...	1929
Ireland	360	319	349	5 785	5 873	6 199	82	8	15	31	7	9	1960	1949	1929
Italy	4 294	...	4 196	26 572	...	64 870	1 416	...	1 491	710	...	1 595	1961	...	1930
Malta and Gozo	12	14	...	18	...	...	6	6	...	2	...	...	1960	1950	...
Netherlands	301	286	285	2 658	2 318	2 130	72	44	51	41	21	22	1959	1950	1930
Norway	198	213	209	7 369	6 903	...	19	24	28	115	107	...	1959	1949	1929
Poland	3 602	...	...	22 932	...	...	655	...	...	354	...	...	1960	...	...
Spain	3 007	...	...	44 650	...	...	956	...	...	318	...	...	1962	...	...
Sweden	265	378	429	3 866	16 300	20 457	2	45	60	1	424	698	1961	1951	1932
United Kingdom	468	543	...	19 023	19 502	10 646	29	42	...	21	24	...	1960	1950	1931
Yugoslavia	2 624	2 386	1 986	12 453	13 271	10 646	471	643	334	223	416	179	1960	1951	1931
NORTH AND CENTRAL AMERICA	7 183	...	...	710 796	...	...	1 059	...	...	427	...	...			
Antigua and Barbuda	6	...	...	14	...	...	4	...	...	2	...	...	1961	...	...
Barbados	28	5	...	34	...	...	27	...	3	3	2	...	1961	1946	1929
Canada	481	623	729	69 828	70 433	66 009	4	2	...	2	1	...	1961	1951	1931
Costa Rica	65	43	...	2 668	1 812	...	4	2	...	3	2	...	1963	1950	...
Dominican Republic	447	275	...	2 258	2 328	...	201	93	...	91	48	...	1960	1950	...
El Salvador	224	174	...	1 559	1 530	...	105	70	...	55	35	...	1961	1950	...
Guatemala	417	349	...	3 476	3 714	...	132	116	...	68	64	...	1964	1950	...
Jamaica	159	68	...	693	...	728	73	13	15	26	...	11	1961	1943	...
Mexico	1 365	1 383	858	169 084	145 517	131 595	410	498	244	121	182	100	1960	1950	1930
Nicaragua	102	52	...	3 816	2 368	...	5	2	...	3	1	...	1963	1952	...
Panama	96	85	...	1 806	1 159	...	5	—	...	2	—	...	1960	1950	...
Puerto Rico	46	54	51	661	725	776	—	—	—	—	—	—	1959	1950	1930
Trinidad and Tobago	36	31	...	214	168	...	10	13	...	5	8	...	1963	1946	...
United States	3 711	5 388	6 295	454 661	470 498	400 679	79	64	38	46	36	19	1959	1950	1930
Virgin Islands (U.K.)	1	...	...	4	...	...	—	...	...	—	...	...	1961	...	...
Virgin Islands (U.S.)	1	1	—	18	26	28	—	—	—	—	—	—	1960	1950	1930
SOUTH AMERICA	6 732	...	...	561 281	...	...	840	...	...	406	...	...			
Argentina	472	547	435	175 142	200 209	...	4	...	...	3	...	...	1960	1952	1937
Brazil	3 338	2 064	648	249 862	232 211	175 105	134	50	...	104	28	...	1960	1950	1920
Chile	259	...	...	30 644	27 712	...	51	...	...	22	...	...	1965	1955	...
Colombia	1 210	919	...	27 338	27 748	...	298	162	...	132	84	...	1960	1954	...
Paraguay	161	...	...	17 473	...	...	8	...	...	4	...	...	1961	...	...
Peru	870	...	...	17 722	...	...	320	...	...	129	...	...	1961	...	...
Surinam	16	...	...	106	...	...	3	...	...	2	...	...	1959	...	...
Uruguay	87	85	75	16 988	16 974	16 745	—	—	2	—	—	—	1961	1951	1937
Venezuela	320	235	218	26 005	22 127	23 372	22	14	...	10	7	...	1961	1950	1937

TABLE 2.10 - NUMBER AND AREA OF ALL HOLDINGS AND OF HOLDINGS OF LESS THAN 1 HECTARE:
CENSUSES OF 1960, 1950 AND 1930 (concluded)

	Total number of all holdings (1 000)			Area of all holdings (1 000 ha)			Number of holdings of less than 1 hectare (1 000)			Area of holdings of less than 1 hectare (1 000 ha)			Year to which data relate		
	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930
ASIA	97 132	...	...	250 960	...	...	45 123	...	...	21 592	...	...			
Brunei	6	...	...	33	...	...	2	...	...	2	...	...	1964	...	...
Ceylon	1 170	...	...	1 888	...	...	764	...	...	290	...	...	1962	...	...
China (Taiwan)	808	...	...	1 029	...	...	547	...	...	345	...	...	1960	...	...
India	48 882	61 780	...	131 873	135 856	...	19 897	34 684	...	8 826	7 577	...	1960	1954	...
Indonesia	12 238	...	...	14 635	...	...	8 577	...	...	3 691	...	...	1960	...	...
Iran	1 877	...	...	11 356	...	...	492	...	...	199	...	...	1960	...	...
Iraq	253	125	...	8 039	...	...	73	24	...	26	...	...	1958	1952	...
Japan	6 057	6 176	...	7 142	6 195	...	3 912	4 146	...	2 184	...	...	1960	1950	...
Korea, Rep. of	2 332	...	...	4 815	...	...	1 655	...	...	2 557	...	...	1961	...	...
Lebanon	127	...	...	304	...	...	68	...	...	27	...	...	1961	...	...
Malaya, Fed. of	452	...	...	1 952	...	...	167	...	...	100	...	...	1960	...	...
North Borneo	43	...	...	247	...	...	9	...	...	4	...	...	1961	...	...
Pakistan	12 155	...	...	28 593	...	...	5 923	...	...	2 107	...	...	1960	...	...
Philippines	2 166	1 639	1 635	7 772	5 727	6 691	250	314	368	124	165	...	1960	1948	1939
Sarawak	45	...	...	241	...	...	8	...	...	3	...	...	1960	...	...
Thailand	3 214	2 112	...	11 149	...	...	627	311	...	313	...	...	1963	1950	...
Turkey	3 410	2 528	...	17 143	19 452	...	1 083	456	...	432	370	...	1963	1952	...
Viet-Nam, Rep. of	1 897	...	...	2 749	...	...	1 069	...	...	362	...	...	1960	...	...
AFRICA	7 623	...	...	234 933	...	...	2 571	...	...	1 392	...	...			
Central African Republic	232	...	...	451	...	...	...	...	...	...	...	...	1960	...	...
Kenya	521	...	...	16 119	...	...	125	...	...	72	...	...	1960	...	...
Lesotho	161	...	...	353	...	...	51	...	...	31	...	...	1960	...	...
Libya	146	...	...	3 869	...	...	18	...	...	5	...	...	1960	...	...
Madagascar	882	...	...	917	...	...	560	...	...	275	...	...	1961	...	...
Mali	280	...	...	1 220	...	...	40	...	...	22	...	...	1960	...	...
Morocco	1 107	...	...	10 876	...	...	447	...	...	383	...	...	1962	...	...
Portuguese Guinea	87	...	...	262	...	...	12	...	...	8	...	...	1960	...	...
Senegal	295	...	...	1 072	...	...	63	...	...	33	...	...	1960	...	...
Seychelles	1	...	...	26	...	...	...	...	...	...	...	...	1960	...	...
South Africa	110	117	95	105 945	86 920	82 803	—	2	1	—	2	1	1960	1950	1930
Southern Rhodesia	438	...	...	27 982	...	...	—	...	...	—	...	...	1960	...	...
South West Africa	5	...	...	61 083	...	...	—	...	...	—	...	...	1960	...	...
Tanganyika (commercial holdings)	1	...	...	975	...	...	—	...	...	—	...	...	1960	...	...
Togo	217	...	...	570	...	...	65	...	...	36	...	...	1961	...	...
Tunisia	326	...	...	5 022	...	...	—	...	...	—	...	...	1961	...	...
Uganda	1 171	...	...	3 856	...	...	243	...	...	123	...	...	1963	...	...
United Arab Republic	1 642	1 003	1 214	2 614	2 581	3 126	947	530	787	404	243	300	1961	1950	1929
Zambia (European holdings)	1	1	...	1 721	1 519	...	—	—	...	—	—	...	1960	1950	...
OCEANIA	333	...	...	482 407	...	...	4	...	...	2	...	...			
American Samoa	2	2	1	4	6	...	1	—	...	—	—	...	1960	1950	1930
Australia	252	245	254	464 576	375 788	362 911	1	2	...	2	1	...	1960	1950	1938
Guam	2	2	2	13	10	...	2	1	...	—	—	...	1960	1950	1930
New Zealand	77	90	85	17 814	17 465	17 550	—	3	4	—	2	3	1960	1950	1930
TOTAL	140 150	...	...	2 471 717	...	...	53 886	...	...	26 855	...	...			

¹ Includes also area in holdings covered by transect method.

TABLE 2.11 - NUMBER OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960 AND 1950
(including only those countries that furnished this information for both censuses)

	Years	Total holdings 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
<i>Thousands of holdings</i>											
EUROPE	1960	4 623	2 277	1 147	662	387	99	36	10	3	2
	1950	4 466	2 196	1 060	664	386	114	31	13	1	1
Austria	1960	363	134	72	78	60	12	4	1	1	1
	1951	387	161	82	77	52	8	3	2	1	1
Belgium	1959	195	93	53	35	12	2	...	—	—	—
	1950	251	148	58	32	11	2	...	—	—	—
Denmark	1959	193	35	54	56	42	5	1	...	—	—
	1949	205	43	56	56	44	5	1	...	—	—
Finland	1959	331	148	102	62	18	1	...	—	—	—
	1950	304	143	88	54	18	1	...	—	—	—
Ireland	1960	278	48	64	82	64	15	4	1	...	—
	1949	310	65	74	91	60	20	...	—	—	—
Netherlands	1959	229	86	62	54	25	2	...	—	—	—
	1950	242	102	64	49	25	2	...	—	—	—
Norway	1959	179	117	42	15	5	—	—	—	—	—
	1949	190	126	43	16	5	—	—	—	—	—
Sweden	1961	263	98	75	53	30	5	2	...	—	—
	1951	333	147	90	60	29	5	2	...	—	—
United Kingdom	1960	439	121	59	72	97	54	25	8	2	1
	1950	502	144	80	79	106	57	25	11	...	—
Yugoslavia	1960	2 153	1 397	564	155	34	3	...	—	—	—
	1951	1 742	1 117	425	150	36	14	...	—	—	—
NORTH AND CENTRAL AMER- ICA	1960	6 036	1 360	543	661	1 204	1 083	689	335	90	71
	1950	7 595	1 569	800	958	1 759	1 359	699	307	121	23
Canada	1961	477	15	11	21	114	113	121	65	13	4
	1951	621	28	19	35	161	166	127	73	9	3
Costa Rica	1963	61	20	10	10	12	6	2	1	...	—
	1950	42	15	7	6	9	3	1	1	...	—
Dominican Republic	1960	246	183	30	18	10	3	1	1	...	—
	1950	182	117	33	17	10	3	1	1	...	—
El Salvador	1961	119	85	14	9	7	2	1	1	...	—
	1950	104	70	14	9	7	2	1	1	...	—
Guatemala	1964	286	210	38	20	10	4	2	1	1	...
	1950	233	176	28	14	8	3	2	1	1	...
Mexico	1960	955	489	94	103	100	59	42	30	15	23
	1950	885	506	90	70	91	44	29	24	11	20
Nicaragua	1963	97	39	15	13	15	8	4	2	1	...
	1952	49	13	9	8	11	5	2	1	...	—
Panama	1960	91	39	18	15	12	4	2	1	...	—
	1950	85	45	17	12	8	2	1	...	—	—
Puerto Rico	1959	46	27	9	5	3	1	...	1	...	—
	1950	53	32	9	6	4	1	...	1	...	—
Trinidad and Tobago	1963	26	19	5	1	1	...	—	—	—	—
	1946	18	14	3	1	...	—	—	—	—	—
United States	1959	3 632	234	299	446	920	883	514	232	60	44
	1950	5 323	553	571	780	1 450	1 130	535	204	100	...

TABLE 2.11 - NUMBER OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960 AND 1950 (*concluded*)
(including only those countries that furnished this information for both censuses)

	Years	Total holdings 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
<i>. Thousands of holdings</i>											
SOUTH AMERICA	1960	4 501	1 509	706	715	805	334	193	144	52	43
	1950	3 077	874	449	488	609	274	167	126	47	43
Brazil	1960	3 204	899	466	546	673	273	157	117	41	32
	1950	2 014	408	252	345	488	219	132	100	37	33
Colombia	1960	912	459	169	114	87	40	22	14	4	3
	1954	757	343	144	101	85	38	23	15	5	3
Uruguay	1961	87	13	13	14	16	9	7	7	4	4
	1951	85	11	11	14	17	10	8	7	3	4
Venezuela	1961	298	138	58	41	29	12	7	6	3	4
	1950	221	112	42	28	19	7	4	4	2	3
ASIA	1960	33 228	25 290	5 097	2 183	587	65	4	2	...	—
	1950	30 493	22 253	5 129	2 250	750	109	1	1	...	—
India	1960	28 985	22 426	4 245	1 791	471	52	...	—	—	—
	1954	27 096	20 070	4 416	1 924	618	68	...	—	—	—
Philippines	1960	1 916	1 506	290	100	16	2	1	1	...	—
	1948	1 325	1 068	161	66	25	3	1	1	...	—
Turkey	1963	2 327	1 358	562	292	100	11	3	1	—	—
	1958	2 072	1 115	552	260	107	38	...	—	—	—
AFRICA	1960	805	628	51	22	17	10	10	24	18	25
	1950	588	401	51	26	16	13	13	27	20	21
South Africa	1960	110	5	6	6	9	7	10	24	18	25
	1950	115	8	7	5	7	7	13	27	20	21
United Arab Republic	1961	695	623	45	16	8	3	...	—	—	—
	1950	473	393	44	21	9	6	...	—	—	—
OCEANIA	1960	329	18	18	22	51	52	49	57	29	33
	1950	332	32	19	22	53	52	46	53	26	29
American Samoa	1960	1	1	...	—	—	—	—	—	—	—
	1950	1	1	...	—	—	—	—	—	—	—
Australia	1960	250	14	14	16	32	35	35	47	26	31
	1950	244	18	14	16	33	35	34	44	23	27
Guam	1960	1	1	...	—	—	—	—	—	—	—
	1950	1	1	...	—	—	—	—	—	—	—
New Zealand	1960	77	2	4	6	19	17	14	10	3	2
	1950	86	12	5	6	20	17	12	9	3	2
TOTAL	1960	49 522	31 082	7 562	4 265	3 051	1 643	981	572	192	174
	1950	46 551	27 325	7 508	4 408	3 573	1 921	957	527	215	117

TABLE 2.12 - AREA OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960 AND 1950
(including only those countries that furnished this information for both censuses)

	Years	Total area 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
<i>Thousands of hectares</i>											
EUROPE	1960	78 717	12 705	14 483	13 786	14 121	8 417	5 425	3 262	1 457	5 061
	1950	90 875	16 197	16 734	15 758	15 155	11 159	5 919	7 450	3 390	2 113
Austria	1960	7 660	348	520	1 129	1 784	781	596	450	325	1 727
	1951	7 692	427	583	1 103	1 515	542	462	557	390	2 113
Belgium	1959	1 736	251	387	515	393	135	55	...	—	—
	1950	1 795	402	431	462	334	124	42	...	—	—
Denmark	1959	3 106	106	392	805	1 234	339	139	91	...	—
	1949	3 156	132	410	790	1 305	305	110	104	...	—
Finland	1959	15 493	4 057	4 724	4 065	2 099	360	188	...	—	—
	1950	15 067	4 156	4 138	3 860	2 347	365	201	...	—	—
Ireland	1960	5 754	158	506	1 242	2 010	1 052	507	279	...	—
	1949	5 866	226	626	1 362	1 913	991	427	321	...	—
Netherlands	1959	2 617	280	500	824	774	137	102	...	—	—
	1950	2 294	261	466	682	704	121	60	...	—	—
Norway	1959	7 254	2 948	2 396	1 210	551	127	22	...	—	—
	1949	6 796	2 463	2 165	1 355	655	130	28	...	—	—
Sweden	1961	3 865	381	696	908	1 028	414	438	...	—	—
	1951	15 876	4 700	4 441	3 046	1 904	767	1 018	...	—	—
United Kingdom	1960	19 002	314	427	1 059	3 152	3 764	3 378	2 442	1 132	3 334
	1950	19 478	355	565	1 094	3 423	4 002	3 571	6 468	...	—
Yugoslavia	1960	12 230	3 862	3 935	2 029	1 096	1 308	...	—	—	—
	1951	12 855	3 075	2 909	2 004	1 055	3 812	...	—	—	—
NORTH AND CENTRAL AMER- ICA	1960	709 635	3 229	3 783	9 261	40 537	77 463	97 025	103 524	62 080	312 733
	1950	699 875	3 837	5 607	13 908	58 792	96 214	97 289	92 380	205 505	126 343
Canada	1961	69 826	37	80	316	4 213	8 297	18 182	20 650	8 862	9 189
	1951	70 432	73	139	500	5 655	11 700	17 800	21 400	6 154	7 011
Costa Rica	1963	2 665	50	66	135	375	370	314	406	252	697
	1950	1 810	35	48	90	265	215	185	200	130	642
Dominican Republic	1960	2 167	381	193	224	276	169	146	174	145	459
	1950	2 280	270	225	246	298	223	167	177	109	565
El Salvador	1961	1 504	177	102	128	210	166	132	214	128	247
	1950	1 495	155	99	123	206	148	146	198	115	305
Guatemala	1964	3 408	447	251	277	298	264	304	369	345	853
	1950	3 650	378	188	188	243	200	256	390	364	1 443
Mexico	1960	168 963	1 207	679	1 260	3 335	4 169	5 846	9 492	10 436	132 539
	1950	145 335	1 181	703	1 000	2 940	3 304	4 212	8 057	8 359	115 579
Nicaragua	1963	3 813	88	98	168	430	514	531	627	361	996
	1952	2 367	36	61	113	356	346	288	311	205	651
Panama	1960	1 804	93	118	192	355	285	201	189	87	284
	1950	1 159	96	106	153	237	156	103	100	61	147
Puerto Rico	1959	661	60	57	73	91	78	64	238	...	—
	1950	725	75	65	75	115	90	65	240	...	—
Trinidad and Tobago	1963	209	41	34	19	18	14	16	17	50	...
	1946	160	31	18	13	14	11	13	60	...	—
United States	1959	454 615	648	2 105	6 469	30 936	63 137	71 289	71 148	41 414	167 469
	1950	470 462	1 507	3 955	11 407	48 463	79 821	74 054	61 247	190 008	...

TABLE 2.12 - AREA OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960 AND 1950 (*concluded*)
(including only those countries that furnished this information for both censuses)

	Years	Total area 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
		<i>Thousands of hectares</i>									
SOUTH AMERICA	1960 1950	319 947 298 941	3 922 2 274	5 066 3 191	9 960 6 856	24 770 18 939	23 136 19 159	26 745 23 414	43 786 39 036	35 598 33 564	146 964 152 508
Brazil	1960 1950	249 758 232 183	2 433 1 142	3 416 1 855	7 684 4 924	20 819 15 262	19 063 15 377	21 764 18 337	35 852 31 034	28 413 26 150	110 314 118 102
Colombia	1960 1954	27 206 27 664	1 107 843	1 165 983	1 572 1 376	2 639 2 594	2 680 2 586	2 996 3 432	3 994 4 686	2 731 3 749	8 322 7 415
Uruguay	1961 1951	16 988 16 974	34 29	89 77	197 193	495 535	674 732	1 042 1 104	2 174 2 272	2 609 2 444	9 674 9 588
Venezuela	1961 1950	25 995 22 120	348 260	396 276	507 363	817 548	719 464	943 541	1 766 1 044	1 845 1 221	18 654 17 403
ASIA	1960 1950	147 406 152 922	59 592 53 361	35 788 35 772	29 514 31 138	15 621 21 723	4 604 10 324	490 157	983 447	406 ...	408 —
India	1960 1954	123 047 128 279	52 721 47 791	29 948 30 758	24 352 26 539	12 340 17 857	3 686 5 334	...	—	—	—
Philippines	1960 1948	7 648 5 561	3 223 2 314	1 845 1 002	1 189 842	439 634	163 165	155 157	634 447	...	—
Turkey	1963 1952	16 711 19 082	3 648 3 256	3 995 4 012	3 973 3 757	2 842 3 232	755 4 825	335 ...	349 —	406 —	408 —
AFRICA	1960 1950	108 155 89 257	1 143 802	328 313	300 366	507 526	829 1 265	1 491 2 050	7 682 9 160	12 403 13 925	83 472 60 850
South Africa	1960 1950	105 945 86 918	15 30	38 50	84 73	273 230	487 550	1 491 2 050	7 682 9 160	12 403 13 925	83 472 60 850
United Arab Republic	1961 1950	2 210 2 339	1 128 772	290 263	216 293	234 296	342 715	...	—	—	—
OCEANIA	1960 1950	482 405 393 267	52 86	128 139	318 324	1 738 1 823	3 745 3 717	7 000 6 631	18 412 17 397	20 351 18 673	430 661 344 477
American Samoa	1960 1950	4 6	3 3	1 1	...	1	—	—	—	—	—
Australia	1960 1950	464 574 375 787	39 50	95 99	235 226	1 079 1 125	2 486 2 520	5 051 4 867	15 359 14 530	18 208 16 600	422 022 335 770
Guam	1960 1950	13 10	2 2	1 1	1 2	2 2	7 3	...	—	—	—
New Zealand	1960 1950	17 814 17 464	8 31	31 38	82 95	657 695	1 252 1 194	1 949 1 764	3 053 2 867	2 143 2 073	8 639 8 707
TOTAL	1960 1950	1 846 265 1 725 137	80 643 76 557	59 576 61 756	63 139 68 350	97 294 116 958	118 194 141 838	138 176 135 460	177 649 165 870	132 295 272 057	979 299 686 291

TABLE 2.13 - NUMBER OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960, 1950 AND 1930
(including only those countries that furnished this information for all three censuses)

	Years	Total holdings 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
<i>Thousands of holdings</i>											
EUROPE	1960	3 810	1 946	993	540	273	43	11	2	1	1
	1950	3 523	1 778	879	537	264	55	6	2	1	1
	1930	3 373	1 685	823	523	280	55	6	2	1	1
Austria	1960	363	134	72	78	60	12	4	1	1	1
	1951	387	161	82	77	52	8	3	2	1	1
	1930	368	151	76	73	53	8	3	2	1	1
Denmark	1959	193	35	54	56	42	5	1	...	—	—
	1949	205	43	56	56	44	5	1	...	—	—
	1933	201	53	50	46	45	6	1	...	—	—
Finland	1959	331	148	102	62	18	1	...	—	—	—
	1950	304	143	88	54	18	1	...	—	—	—
	1929	218	103	53	37	21	4	...	—	—	—
Ireland	1960	278	48	64	82	64	15	4	1	...	—
	1949	310	65	74	91	60	20	...	—	—	—
	1929	332	75	85	92	60	20	...	—	—	—
Netherlands	1959	229	86	62	54	25	2	...	—	—	—
	1950	242	102	64	49	25	2	...	—	—	—
	1930	234	111	56	41	24	2	...	—	—	—
Sweden	1959	263	98	75	53	30	5	2	...	—	—
	1951	333	147	90	60	29	5	2	...	—	—
	1932	369	178	96	60	28	5	2	...	—	—
Yugoslavia	1960	2 153	1 397	564	155	34	3	...	—	—	—
	1951	1 742	1 117	425	150	36	14	...	—	—	—
	1931	1 651	1 014	407	174	49	7	...	—	—	—
NORTH AND CENTRAL AMER- ICA	1960	4 633	750	402	554	1 023	943	556	263	119	23
	1950	6 261	1 091	670	856	1 545	1 175	564	229	111	20
	1930	6 918	875	784	1 169	1 971	1 317	519	208	59	16
Mexico	1960	955	489	94	103	100	59	42	30	15	23
	1950	885	506	90	70	91	44	29	24	11	20
	1930	612	332	79	47	67	26	19	17	9	16
Puerto Rico	1959	46	27	9	5	3	1	...	1	...	—
	1950	53	32	9	6	4	1	...	1	...	—
	1930	51	30	9	6	4	1	...	1	...	—
United States	1959	3 632	234	299	446	920	883	514	232	104	...
	1950	5 323	553	571	780	1 450	1 130	535	204	100	...
	1930	6 255	513	696	1 116	1 900	1 290	500	190	50	...
SOUTH AMERICA	1960	3 291	912	479	560	689	282	164	124	45	36
	1950	2 099	419	263	359	505	229	140	107	40	37
	1930	721	7	89	131	166	124	78	65	32	29
Brazil	1960	3 204	899	466	546	673	273	157	117	41	32
	1950	2 014	408	252	345	488	219	132	100	37	33
	1930	648	—	80	120	150	114	71	58	29	26
Uruguay	1961	87	13	13	14	16	9	7	7	4	4
	1951	85	11	11	14	17	10	8	7	3	4
	1937	73	7	9	11	16	10	7	7	3	3
AFRICA	1960	805	628	51	22	17	10	10	24	18	25
	1950	588	401	51	26	16	13	13	27	20	21
	1930	523	359	40	25	14	12	9	24	19	21
South Africa	1960	110	5	6	6	9	7	10	24	18	25
	1950	115	8	7	5	7	7	13	27	20	21
	1930	95	4	4	4	4	6	9	24	19	21
United Arab Republic	1961	695	623	45	16	8	3	...	—	—	—
	1950	473	393	44	21	9	6	...	—	—	—
	1929	428	355	36	21	10	6	...	—	—	—

TABLE 2.13 - NUMBER OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960, 1950 AND 1930 (*concluded*)
(including only those countries that furnished this information for all three censuses)

	Years	Total holdings 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
		<i>Thousands of holdings</i>									
OCEANIA	1960	77	2	4	6	19	17	14	10	3	2
	1950	86	12	5	6	20	17	12	9	3	2
	1930	81	12	6	6	18	14	11	9	3	2
New Zealand	1960	77	2	4	6	19	17	14	10	3	2
	1950	86	12	5	6	20	17	12	9	3	2
	1930	81	12	6	6	18	14	11	9	3	2
TOTAL	1960	12 616	4 238	1 929	1 682	2 021	1 295	755	423	186	87
	1950	12 557	3 701	1 868	1 784	2 350	1 489	735	374	175	81
	1930	11 616	2 938	1 742	1 854	2 449	1 519	623	308	114	69

TABLE 2.14 - AREA OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960, 1950 AND 1930
(including only those countries that furnished this information for all three censuses)

	Years	Total area of 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
<i>Thousands of hectares</i>											
EUROPE	1960	50 725	9 192	11 273	11 002	10 025	4 391	2 249	541	325	1 727
	1950	62 806	12 977	13 573	12 847	10 743	6 903	2 599	661	390	2 113
	1930	63 045	13 602	12 754	12 772	12 054	5 055	3 648	642	374	2 144
Austria	1960	7 660	348	520	1 129	1 784	781	596	450	325	1 727
	1951	7 692	427	583	1 103	1 515	542	462	557	390	2 113
	1930	7 596	404	545	1 059	1 541	557	445	527	374	2 144
Denmark	1959	3 106	106	392	805	1 234	339	139	91	...	—
	1949	3 156	132	410	790	1 305	305	110	104	...	—
	1933	3 174	161	361	670	1 347	390	130	115	...	—
Finland	1959	15 493	4 057	4 724	4 065	2 099	360	188	...	—	—
	1950	15 067	4 156	4 138	3 860	2 347	365	201	...	—	—
	1929	13 750	3 200	3 000	3 250	2 850	800	650	...	—	—
Ireland	1960	5 754	158	506	1 242	2 010	1 052	786	...	—	—
	1949	5 866	226	626	1 362	1 913	991	748	...	—	—
	1929	6 190	241	696	1 299	1 902	995	1 057	...	—	—
Netherlands	1959	2 617	280	500	824	774	137	102	...	—	—
	1950	2 294	261	466	682	704	121	60	...	—	—
	1930	2 109	274	387	567	696	152	33	...	—	—
Sweden	1961	3 865	381	696	908	1 028	414	438	...	—	—
	1951	15 876	4 700	4 441	3 046	1 904	767	1 018	...	—	—
	1932	19 759	6 520	4 892	3 546	2 329	1 139	1 333	...	—	—
Yugoslavia	1960	12 230	3 862	3 935	2 029	1 096	1 308	...	—	—	—
	1951	12 855	3 075	2 909	2 004	1 055	3 812	...	—	—	—
	1931	10 467	2 802	2 873	2 381	1 389	1 022	...	—	—	—
NORTH AND CENTRAL AMERICA	1960	624 239	1 915	2 841	7 802	34 362	67 384	77 199	80 878	219 319	132 539
	1950	616 522	2 763	4 723	12 482	51 518	83 215	78 331	69 544	198 367	115 579
	1930	532 930	2 468	5 877	16 603	66 073	90 773	72 204	62 988	105 772	110 172
Mexico	1960	168 963	1 207	679	1 260	3 335	4 169	5 846	9 492	10 436	132 539
	1950	145 335	1 181	703	1 000	2 940	3 304	4 212	8 057	8 359	115 579
	1930	131 494	789	610	690	2 043	1 958	2 816	5 947	6 469	110 172
Puerto Rico	1959	661	60	57	73	91	78	64	238	...	—
	1950	725	75	65	75	115	90	65	240	...	—
	1930	777	72	60	80	120	100	45	300	...	—
United States	1959	454 615	648	2 105	6 469	30 936	63 137	71 289	71 148	208 883	...
	1950	470 462	1 507	3 955	11 407	48 463	79 821	74 054	61 247	190 008	...
	1930	400 659	1 607	5 207	15 833	63 910	88 715	69 343	56 741	99 303	...
SOUTH AMERICA	1960	266 746	2 467	3 505	7 881	21 314	19 737	37 263	35 852	28 413	110 314
	1950	249 157	1 171	1 932	5 117	15 797	16 109	33 745	31 034	26 150	118 102
	1930	191 850	19	465	2 180	5 540	9 016	25 680	18 000	20 000	110 950
Brazil	1960	249 758	2 433	3 416	7 684	20 819	19 063	21 764	35 852	28 413	110 314
	1950	232 183	1 142	1 855	4 924	15 262	15 377	18 337	31 034	26 150	118 102
	1920	175 105	...	400	2 000	5 000	8 300	10 455	18 000	20 000	110 950
Uruguay	1961	16 988	34	89	197	495	674	15 499	...	—	—
	1951	16 974	29	77	193	535	732	15 408	...	—	—
	1937	16 745	19	65	180	540	716	15 225	...	—	—
AFRICA	1960	108 155	1 143	328	300	507	829	1 491	7 682	12 403	83 472
	1950	89 257	802	313	366	526	1 265	2 050	9 160	13 925	69 850
	1930	85 629	709	294	334	443	1 679	1 300	8 100	13 750	59 020
South Africa	1960	105 945	15	38	84	273	487	1 491	7 682	12 403	83 472
	1950	86 918	30	50	73	230	550	2 050	9 160	13 925	60 850
	1930	82 803	15	25	48	145	400	1 300	8 100	13 750	59 020
United Arab Republic	1961	2 210	1 128	290	216	234	342	...	—	—	—
	1950	2 339	772	263	293	296	715	...	—	—	—
	1929	2 826	694	269	286	298	1 279	...	—	—	—

TABLE 2.14 - AREA OF HOLDINGS WITH AN AREA OF 1 HECTARE AND OVER BY SIZE OF HOLDING: CENSUSES OF 1960, 1950 AND 1930 *(concluded)*
(including only those countries that furnished this information for all three censuses)

	Years	Total area of 1 ha and over	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
		<i>Thousands of hectares</i>									
OCEANIA	1960	17 814	8	31	82	657	1 252	1 949	3 053	2 143	8 639
	1950	17 464	31	38	95	695	1 194	1 764	2 867	2 073	8 707
	1930	17 548	33	43	88	600	1 020	1 642	2 600	2 420	9 102
New Zealand	1960	17 814	8	31	82	657	1 252	1 949	3 053	2 143	8 639
	1950	17 464	31	38	95	695	1 194	1 764	2 867	2 073	8 707
	1930	17 548	33	43	88	600	1 020	1 642	2 600	2 420	9 102
TOTAL	1960	1 067 679	14 725	17 978	27 067	66 865	93 593	120 151	128 006	262 603	336 691
	1950	1 035 206	17 744	20 579	30 907	79 279	108 686	118 489	113 266	240 905	305 351
	1930	891 002	16 831	19 433	31 977	84 710	107 543	104 474	92 330	142 316	291 388

3. LAND UTILIZATION

3.1 Introduction

The use made of land resources is directly related to problems of food and agriculture. It provides the background for the analysis of present and prospective agricultural and general economic conditions in many countries. Land is used not only for producing food and fibre and wood products but also for living space, water conservation, recreation and wildlife.

3.2 Classification of land utilization in agricultural holdings

The FAO programme recommended the classification of the land in holdings according to the following uses:

1. Arable land.
2. Land under permanent crops.
3. Land under permanent meadows and pastures.
4. Wood or forest land.
5. All other land.

To avoid duplication, each unit of land in the holding was to be allotted to one and only one of these five groups. The area to be allotted was to comprise gross area associated with each land use, i.e., including shoulders and ditches. The use was to be determined either on the basis of the use during the census, during the agricultural year or as of the census date.

1. *Arable land* comprised all land generally under temporary crops, used for temporary meadows, for market or kitchen gardens or for cultivation under glass, as well as land temporarily fallow.
2. *Land under permanent crops* comprised land under cultivated crops which occupy the land

for a long period of time and do not need to be replanted after each harvest. It was to include nurseries (except forest nurseries).

3. *Land under permanent meadows and pastures* comprised land used for five years or more for herbaceous forage crops either seeded or existing naturally. Meadow and pasture on which forest trees or shrubs were grown were to be included only if the growing of forage crops thereon was the most important use for the land.
4. *Wood or forest land* comprised all woodlots or tracts of timber, natural or planted, which had or would have value as wood, timber or forest products.
5. *All other land* included land occupied by buildings, parks, ornamental gardens, roads, lanes, wasteland, land under water, and land in wild berries, reeds and rushes.

The FAO programme further subdivided arable land into five classes: land under temporary crops, land under temporary meadows, land used as market and kitchen gardens, land temporarily fallow and all other arable land under rotation.

Land under temporary crops comprised all land used for crops whose growing cycle was under one year and which were newly sown or planted after each harvest. Crops with a growing period of more than one year were also considered temporary crops if the harvesting destroyed the plant.

Land under temporary meadows comprised land temporarily cultivated for a period not to exceed five years with forage crops for mowing or for pasture.

Temporarily fallow land was defined as land resting for a period of not more than five years before being planted again and land that could be brought back into cultivation by means of normal cultivation practices.

All other arable land comprised all arable land

that could not be classified under the other four classes, including land prepared for cultivation and not planted, land on which all crops failed and arable land flooded.

Cropland was another class of land utilization, aside from those recommended by FAO. This comprised the total of arable land and land under permanent crops. A number of countries reported data on cropland. For other countries it could be derived. Data for cropland are therefore shown in many tables in this volume.

3.3 Problems and differences among countries in classifying land according to use

Many problems were encountered in classifying land in agricultural holdings according to use. Climate, soils, length of growing season, location, topography, population density, labour supply, water supply, annual and seasonal variations in rainfall and temperature, and technology influence greatly the use of land in agricultural holdings. Moreover, there are great variations among countries and even within countries in the quality or productivity of land. The same quality and kind of land may have one use in one country and a different use in another country.

The differentiation between various categories of land utilization such as land in temporary or permanent meadows and pastures and wood or forest land was not uniform and presented problems in most countries. The FAO programme proposed that the differentiation between land under temporary meadows and pastures and permanent meadows and pastures be on the basis of whether the period of rotation was over five years. This time period was not specified by most countries, however, with the result that most land which was mowed for hay or forage was counted as land under temporary meadows even though some of the land was not usually in rotation.

The distinction between land in temporary crops and land in permanent crops was also a problem in many countries. Often temporary crops were grown in association with permanent crops. In some countries, areas of permanent crops associated with temporary crops were classified on the basis of which type of crops were of greater economic importance. In many countries, as was mentioned earlier, land

under temporary crops, or arable land, and land in permanent crops were included in one class, usually designated cropland. However, in many of these countries it has been possible to determine the area in permanent crops by totalling the areas for the individual permanent crops. For such countries the area of arable land has been obtained by subtracting the sum of the area of individual permanent crops from the area of cropland.

Land under permanent meadows was to include land in grasses and other forage crops for more than five years, to be used for pasture or grazing. But the time period of five years was not specified for the census by most countries. The pasture or forage crops could be those existing naturally or they could be seeded or otherwise improved. Land in permanent meadows and pastures was to include pasture or grazing land with forest trees or shrubs if the growing of pasture or forage crops thereon was the most important use of the land. Accordingly, woodland and forest land used for grazing often has been classified as permanent pastures. Land under permanent crops was often also used for pasture, but in this case it usually was counted as land under permanent crops, except when the permanent crop (usually fruit trees or plants) was scattered over the land. Land from which temporary crops were harvested was often used for pasture after the harvest but was not included in the total of land in permanent meadows and pastures.

In a number of countries there were no governmental records of land ownership, and accurate measurements of land areas had never been made. The determination of the total area of the holding and the uses of the land was particularly difficult in areas of shifting cultivation. (The designation of the system of shifting cultivation varied: "slash and burn," and "bush fallow" were used in several countries, "ladang" in Malaysia and Indonesia, "caingen" in the Philippines, "milpa" in Central America and Mexico, "ray" in Viet-Nam, "conuco" in Venezuela, "roca" in Brazil.) This refers to the practice of making clearings at scattered points in the forests or grass woodland, using these clearings for crops and abandoning them as soon as the soil fertility is so depleted that crop production is no longer satisfactory.

The plots of land used under the system of shifting cultivation seldom have distinct boundaries; at a given time some plots are definitely under crops;

other plots are in the process of regrowth with forest trees, bush or grass. Some plots are planted with one crop, others have mixtures. In some areas bananas, cacao, coffee, oil palm or other trees are planted and these trees continue after the actual cultivation of the land has been discontinued. Under this agricultural practice it is feasible to determine or estimate only the area crop. To separate the area under temporary crops from the area under permanent crops is difficult or impossible. Usually only a count of fruit plants or trees was obtained as an indication that the land was used for permanent crops.

3.4 Major uses of land

Many factors affected the pattern of land use in the 83 countries. The type of settlement often played an important part, since the original condition of soils might have been altered through the use of fertilizers, soil dressings and other soil fertility improvement practices. The ownership and control over the land both within and outside the agricultural holdings influenced its use. The distribution of population and availability of agricultural labour within the country were important determinants of land use. The extent of the use of new technology, i.e. adapted varieties of crops, agricultural machinery and land management practices such as fallowing, played an important role in determining the use of land.

Climate, topography and soil combine to make great diversity in the actual and potential uses of land. Differences in the annual amount and seasonal distribution of precipitation, in temperature, in the length of the frost-free season, in topography (including direction and degree of slope) and in the kind of vegetative cover all contribute to the pattern of use. Moisture supply greatly affects the use of land; in some areas, different degrees of aridity are more important than topography and soil. The moisture supply may be affected by land improvement through drainage and irrigation. Differences in temperature also greatly influence land use. The frost-free period is too short in some areas to permit agricultural production and in other areas it limits not only the extent but also the type of production.

There were deviations in many countries from the land utilization classes and concepts recom-

mended by FAO. In many cases, data for countries have been rearranged or adjusted to meet FAO proposals. The major rearrangements and variations of the data presented in this volume from the land-use classes and concepts recommended by FAO are described in Table 3.1.

Of the 2 472 million hectares of land in agricultural holdings, the utilization was as follows:

Land utilization groups	Millions of hectares	Percent distribution
Total area of holding	2 472	100
Cropland	700	28
Arable land	(654)	(26)
Land in permanent crops	(44)	(2)
Area of cropland not classified as arable land or land in permanent crops	(2)	(—)
Land in permanent meadows and pastures	1 300	53
Wood or forest land	238	10
All other land	234	9

Cropland comprises 28 percent of all land in agricultural holdings and is the major source of the world's production of food and fibre. Knowledge of its extent, distribution among holdings and use is of great importance in understanding the agriculture of each of the 83 countries. Cropland occupies more than half of the total area of agricultural holdings in 44 countries. On the other hand, in 20 countries less than one fourth of the land in agricultural holdings is cropland. Some countries with large areas in agricultural holdings have little cropland, and the cropland area is relatively small wherever there is a short or erratic supply of water. Low temperatures are another major limiting factor in the use of land as cropland. Even within the same climate zone, some countries have considerable areas with relatively small amounts of cropland, because parts of these countries have not yet been settled. Topography also places a major limitation on the use of land as cropland.

Land under permanent crops totalled less than 50 million hectares (Table 3.2) and accounted for less than 7 percent of the total cropland in the 83

countries. Sixteen of the 83 countries had 1 million hectares or more of land in permanent crops. Land in permanent crops comprised 10 percent or more of all land in holdings in 20 countries (Table 3.3). Table 5.3, in Chapter 5, gives the area in each of the principal permanent crops in the countries for which the data are available.

Land under permanent meadows and pastures totalled 1 300 million hectares and represented more than one half of all land in agricultural holdings. Most of the land in permanent meadows and pastures was in North America, South America and Oceania; almost two thirds of it was in four countries, United States of America, Argentina, Brazil and Australia. It made up a half or more of the land in agricultural holdings in 13 countries and less than 5 percent in 17 countries.

The area in permanent meadows and pastures does not indicate fully the total area used for meadows and pastures. Areas in temporary pasture and forage crops grown in rotations of five years or less were counted as cropland. Also, areas planted in permanent crops and areas from which temporary crops were harvested were used for pasture or for the grazing of livestock after harvesting, in the case of the temporary crop. In some cases the temporary crop provided pasture during a limited period of its growth. In a number of countries there were no data available for land in permanent meadows and pastures. In several of these countries the area of permanent meadows and pastures was not included as part of the total area of the agricultural holding. In some other countries, the area in permanent meadows and pastures was included with all other land.

Wood or forest land reported for the 83 countries totalled 238 million hectares (Table 3.2) and represented 10 percent of all land in agricultural holdings. The total area of wood or forest land in holdings was considerably greater than that given in Table 3.2 because considerable areas were included with all other land in a number of countries — the United Kingdom, Southern Rhodesia, Tunisia and Australia, among others — and in some the area of wood or forest land was not included as part of the agricultural holding.

All other land. The total of 234 million hectares of all other land shown in Table 3.2 overstates the area of all other land comprising a part of agricultural holdings. Some of the 41 million hectares of

all other land in Australia and New Zealand may represent natural grazing land. Likewise, considerable areas of all other land in several African countries was wood and forest land, for which separate data were not available.

The data in Tables 3.2 and 3.3 indicate striking differences in the pattern of land utilization among countries.

Fallow land comprised land left unplanted, largely for the purpose of conserving moisture. The area of fallow land reported by the countries totalled more than 97 million hectares (Table 3.5) and represented 14 percent of cropland. The practice of fallowing is associated largely with the growing of wheat, although considerable areas of fallow land are used for the growing of other (mostly grains) crops as well.

Cropland and arable land per holding. In the 83 countries there was an average of 5 hectares of cropland per holding (Table 3.4). In 16 countries the average area of cropland per holding was less than 2 hectares, and the average was less than 5 hectares per holding in 51 countries. On the other hand, the average area of cropland per holding was 20 hectares or more in 10 countries.

The area of cropland per 1 000 total population was 399 hectares for the 83 countries. There were less than 200 hectares per 1 000 persons in 25 countries and 800 or more hectares per 1 000 persons in 9 countries. Again there is variation within the same climate zone; some countries have a relatively large area of cropland per holding and a relatively large area of cropland per 1 000 population, and some have relatively small areas of each.

However, differences in physical cropland space per 1 000 population do not necessarily indicate relative differences in crop production because resources other than land (irrigation water, fertilizer, adapted varieties, control of pests and plant diseases, length of growing season, use of machinery and management abilities of holders) also have significant effects.

3.5 Changes in land utilization, 1950 to 1960

Data are presented in Table 3.6 showing the use of land in 33 countries for the 1950 and 1960 censuses. More than two thirds of these countries are in Europe and North and Central America.

Some changes in land use and in the total area

of holdings occurred between 1950 and 1960 in most of the 33 countries. A brief summary of the more important changes in each country follows.

In Belgium there was a decrease of more than 150 000 hectares in cropland.

The apparent decrease of almost 500 000 hectares in the area of agricultural holdings in Denmark was the result largely of the exclusion of wood or forest land and all other land from the total area of agricultural holdings for 1960.

The area of holdings in the Federal Republic of Germany was 4.1 million hectares less in 1960 than in 1950, because holdings engaged only in forestry or fishery operations were excluded in 1960 and not in 1950. The exclusion of pure forestry and fishery holdings in 1960 accounts largely for the 3.2 million hectare difference in the area of wood or forest land and 0.6 million hectare difference in the area of all other land between the 1950 and 1960 censuses. The area in permanent crops in 1960 was less than half that for 1950 and the decrease in the area in permanent crops accounted for nearly all the decrease in cropland between 1950 and 1960.

The area of agricultural holdings in Greece was larger in 1960 than in 1950, even though 220 000 hectares of wood or forest land were included in the total area of holdings in 1950 while none were included in 1960.

The 280 000 hectare difference in land in permanent meadows and pastures, the 330 000 hectare difference in land in permanent crops and the 300 000 hectare difference in fallow land between the 1950 and the 1960 censuses may be the result in part of differences in definitions and procedures used in the two censuses.

In Ireland the area of agricultural holdings was approximately 100 000 hectares less in 1960 than in 1950. Most of the difference was the result of the decrease in the area of arable land.

For the Netherlands the total area of holdings was 320 000 hectares greater in 1960 than in 1950, partly because wood or forest land and all other land (250 000 hectares) were included in the total area of holdings in 1960. The total area of cropland was about 25 000 hectares and the area of permanent meadows and pastures 50 000 hectares greater in 1960 than in 1950.

The increase in the area of holdings in Norway from 1950 to 1960 resulted largely from the increase

of 450 000 hectares of other land in holdings. The decrease of land in permanent meadows and pastures and the increase in the area of cropland result largely from the differences in the classification of the area of meadows cut for hay for 1950 and for 1960.

In 1960 the area of holdings in Sweden did not include wood or forest land or all other land. In 1950, 11.8 million hectares of land with these uses were included in the total area of holdings and the difference in concept of area of holding accounted for nearly all the difference in area of holdings between the 1960 and the 1950 censuses.

The comparability of the total area of agricultural holdings for the United Kingdom is affected by the inclusion of approximately 230 000 more hectares of wood or forest land and all other land in the total area of the holding in 1960 than in 1950. The area of arable land was 80 000 hectares less and the area in permanent meadows and pastures 600 000 hectares less in 1960 than in 1950.

In Yugoslavia, the total area in holdings was 800 000 hectares less in 1960 than in 1950. Most of the change resulted from a decrease of 440 000 hectares in wood or forest land, and a 370 000 hectare decrease in arable land.

The decrease of about 1 percent in the total area of holdings in Canada from 1950 to 1960 resulted from the decrease in the area of wood or forest land and from some modifications in the definition of a holding. The areas of cropland and arable land in 1960 were approximately 1.5 million hectares less than in 1950. The area of fallow land in 1960 exceeded that of 1950 by 2.5 million hectares.

The area in holdings in Costa Rica in 1960 exceeded that in 1950 by more than 850 000 hectares. More than half of the increase resulted from increases in land in permanent meadows and pastures (600 000 hectares) and the rest in cropland (250 000 hectares). Almost three fourths of the 250 000 hectare increase in cropland resulted from a 100 000 hectare increase in fallow land and a 70 000 hectare increase in land in permanent crops.

The 3 percent decrease in the area of holdings in the Dominican Republic resulted mainly from decreases in areas in wood or forest lands and in all other land. Increases in the area in temporary grasses for grazing and in fallow land accounted largely for the 250 000 hectare increase in the cropland category.

In El Salvador the approximately 100 000 hectare

increase of cropland and arable land was accompanied by a corresponding decrease of the area in permanent meadows and pastures.

The 240 000 hectare decline in area of holdings in Guatemala was related to the 520 000 hectare decrease in wood or forest land and 180 000 hectare decline in all other land. Land under permanent meadows and pastures increased 440 000 hectares while total cropland increased only slightly.

In Jamaica there was an increase of more than 60 000 hectares in cropland. There was a slight increase (less than 5 000 hectares) in the area in sugarcane. The remaining 55 000 hectare increase must have resulted from increases in land in permanent crops, fallow land or from changes in the method of reporting land use.

Relatively large changes occurred in the total area of holdings and in land use in Mexico from 1950 to 1960. Part of these changes may have been the result of improvement in census data and part the result of the incorporation of additional lands in ejidos. The figures for 1960 exceeded those of 1950 by 23.6 million hectares for total area of holdings, 3.9 million hectares for total cropland, 0.5 million hectares for land under permanent crops and 11.8 million hectares for land in permanent meadows and pastures.

The area included in agricultural holdings in Nicaragua in 1960 exceeded that of 1950 by almost two thirds. Cropland in 1960 exceeded that of 1950 by 300 000 hectares and the area of land in permanent meadows and pastures in 1960 was almost three times that of 1950.

The comparison of data for 1960 and 1950 for Panama indicate a substantial expansion in the area in holdings, but nearly all of the change was accounted for by increases in the area in permanent meadows and pastures and in wood and forest lands. Total cropland was 324 000 hectares less in 1960 than in 1950.

The decrease of land in agricultural holdings and in cropland in Puerto Rico from 1950 to 1960 resulted from the abandonment of small farms and the conversion of agricultural land to use in expansion of urban areas, factory sites and homes for rural workers.

Land included in agricultural holdings in the United States of America totalled almost 455 million hectares in 1960, which was about 15 million hectares less than in 1950. Part of this decrease (about

one third) was due to a change in the definitions of holding. The remaining decrease was attributed to the fact that holdings were no longer under the provision of the agricultural control programme, the expansion of urban areas, the building of roads, the spread of factories and the increase in the number of homes in rural areas. The area of cropland was about 12 million hectares less in 1960 than in 1950, and land in permanent meadows and pastures increased 58 million hectares. Fallow land increased more than 6 million hectares.

The total area of agricultural holdings in Brazil increased by almost 10 percent from 1950 to 1960, and the area of cropland increased by 9.6 million hectares or 50 percent, while the area in permanent crops almost doubled. Land in permanent meadows and pastures increased by almost 15 million hectares.

In Colombia the area of cropland decreased approximately one sixth from 1950 to 1960 and almost one third of the 1960 crop land area was fallow.

While the area of agricultural holdings in Uruguay remained unchanged from 1950 to 1960, cropland increased more than 10 percent and all other land in holdings declined almost 200 000 hectares.

In Venezuela, the area of agricultural holdings increased 3.3 million hectares from 1950 to 1960, the area of cropland almost doubled and the area under all other land increased by about 900 000 hectares.

The total area of holdings for Iraq was 1.6 million hectares greater in 1960 than in 1950 and the area of cropland increased more than 2 million hectares, but the increase in fallow land was greater than the increase in cropland.

For Japan the data indicate considerable changes from 1950 to 1960 in the total area of holding, cropland and land in permanent meadows and pastures. However, these data overstate the magnitude of the changes, as the figures for 1960 represent data revised on the basis of actual remeasurement of registered land areas beginning in 1956. The data for 1950 were not revised. The actual changes from 1950 to 1960 were less than 5 percent.

Part of the changes from 1950 to 1960 in total area of holdings and cropland in the Philippines was the result of expansion of the area of agricultural holdings and part probably was the result of changes in the completeness of the census.

The 90 million hectare increase in the area of holdings in Australia resulted from the increasing

transfer of public (Crown) lands to private control through alienation and through leasing (25 million hectares) and the inclusion of the area of holdings in the Northern Territory (64 million hectares) in the data for 1960 and not in the totals for 1950. Less than 1 000 hectares of the land in holdings in the Northern Territory was cropland in 1960. The area of cropland was 1.4 million hectares more in 1960 than in 1950. The totals for land in permanent meadows and pastures comprised two kinds of grazing lands, sown clovers and grasses, and natural grazing lands. The area of sown clovers and grasses was 7 356 000 hectares in 1950 and 12 801 000 hectares in 1960. The area of natural grazing lands was not reported separately and has been estimated to total at least 400 million hectares for 1960 and at least 320 million hectares for 1950.

For the 33 countries as a group there were no

large changes in the total area of agricultural holdings. The decrease of 17 million hectares in agricultural holdings in Europe resulted largely from a change in the method of reporting wood or forest land and all other land in Sweden (11.8 million hectares). There was an increase of 20 million hectares in holdings in South America. The change of 90 million hectares in Oceania resulted largely from the inclusion in holdings of additional publicly owned lands in Australia.

The area of cropland in the 33 countries may have been 2 percent more in 1960 than in 1950, but even this small gain may have resulted in a large part from differences in census procedures and completeness. The 11 million hectare increase in cropland in South America was offset by a decrease in North America. The other continents contributing to the increased area of cropland were Asia and Australia.

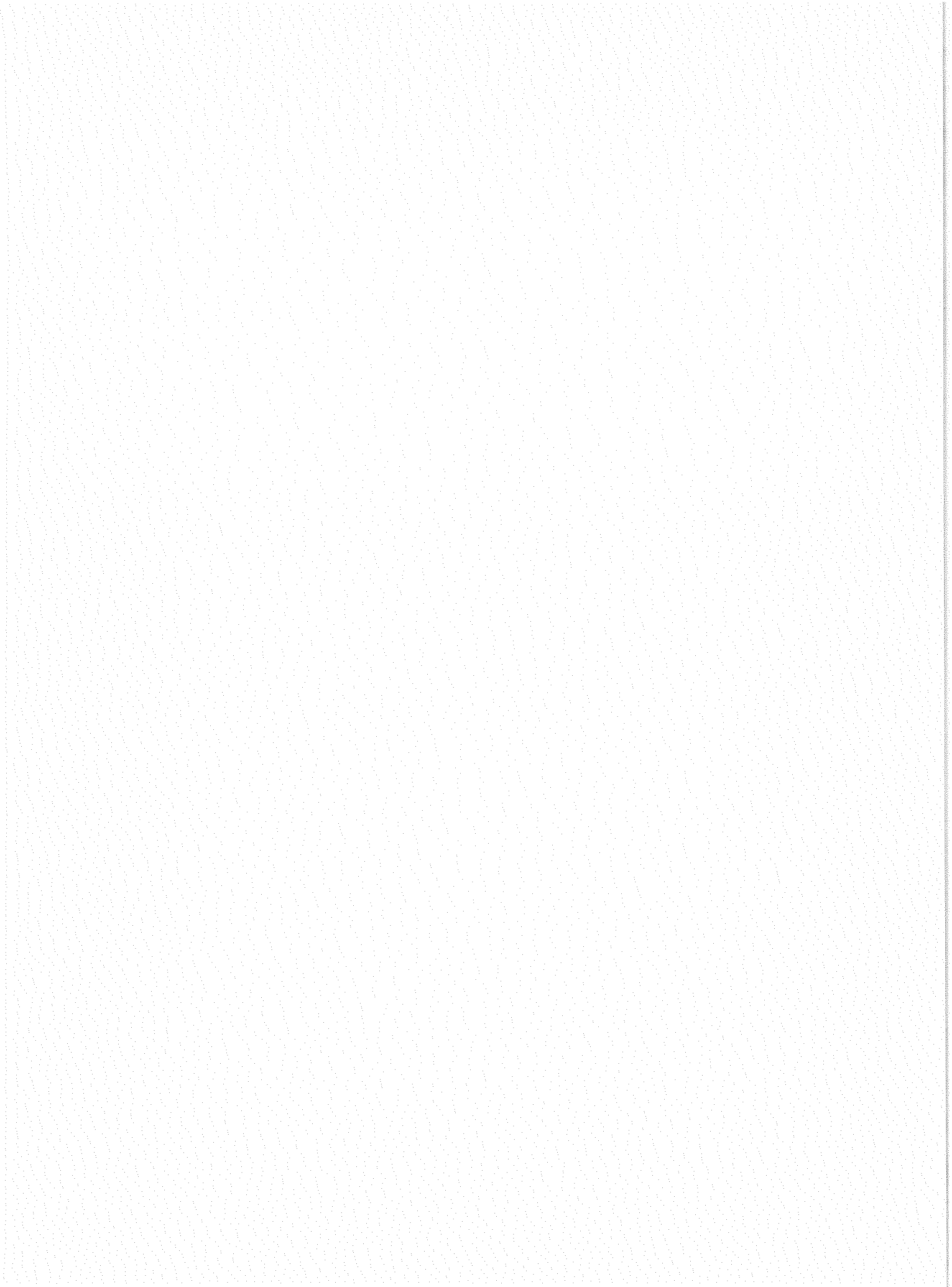


TABLE 3.1 - REARRANGEMENTS OF DATA TO MATCH FAO CLASSIFICATION OF LAND UTILIZATION

	Total cropland ¹	Arable land	Land under permanent crops	Permanent meadows and pastures	Wood or forest land	All other land
EUROPE						
Austria	None	None	None	None	Includes forestry holdings only	Includes in forestry holdings some land other than forest
Belgium	None	Total cropland minus land under permanent crops	Total area of permanent crops	None	None	None
Denmark	Does not include area under permanent crops	None	Not included in area for cropland	None	Not included in holding	Not included in holding
Finland	None	None	None	None	None	None
France	None	Does not include area in kitchen gardens	Total of area in orchards, vineyards, other permanent crops and kitchen gardens	None	None	None
Germany, Fed. Rep. of	None	None	None	None	None (land in forestry holdings only excluded)	None (land in forestry holdings only excluded)
Greece	None	None	None	None	Not included in holding	Not included in holding
Ireland	None	None	Total area in tree fruits and berries	Excludes rough grazing land	Included in all other land	Includes wood or forest land and rough grazing land
Italy	None	Total of land in cereals, horticultural crops, flowers, temporary meadows and pastures	Total area in fruits, olives, vineyards and forest nurseries	None	None	Obtained by subtracting other uses from total area of holding
Malta and Gozo	None	Cropland minus area in permanent crops	Total area of permanent crops	None	None	None
Netherlands	None	None	Total area of permanent crops	None	None	None
Norway	None	Area of crops on arable land	Cropland minus area of crops on arable land	None	None	None
Poland	None	None	None	None	None (land in government forestry holdings excluded)	None (land in government forestry holdings excluded)
Spain	None	None	None	None (includes land pastures)	None	None
Sweden	None	Cropland minus land in permanent crops	Total area of fruit trees and berries	None	Not included in holding	Not included in holding
United Kingdom	None	None	None	None	Included in all other land	Includes wood and forest land
Yugoslavia	None	Includes grape nurseries	Excludes grape nurseries	None	None	None
NORTH AND CENTRAL AMERICA						
Antigua and Barbuda	None	None	None	None	None	None
Barbados	None	None	None	None	None	None
Canada	None	Cropland minus area in permanent crops	None	None	None	None
Costa Rica	None	Some land in temporary meadows excluded	None	Includes some land in temporary meadows	None	None

TABLE 3.1 - REARRANGEMENTS OF DATA TO MATCH FAO CLASSIFICATION OF LAND UTILIZATION (continued)

	Total cropland ¹	Arable land	Land under permanent crops	Permanent meadows and pastures	Wood or forest land	All other land
Dominican Republic	None	None	None	None	None	None
El Salvador	None	None	None	None	None	None
Guatemala	None	None	None	None	None	None
Jamaica	None	Not available	Not available	None	None	None
Mexico	None	None	None	None	None	None
Nicaragua	None	None	None	None	None	None
Panama	None	None	None	None	None	None
Puerto Rico	None	Cropland minus area in permanent crops	Total area of permanent crops	None	None	None
Trinidad and Tobago	None	None	None	None	None	None
United States	None	Cropland minus total area in permanent crops	Total area in permanent crops	None (includes woodland pasture)	None	None
Virgin Islands (U.K.)	None	None	None	None	None	None
Virgin Islands (U.S.)	None	Total area of crops on arable land	Cropland minus area of crops on arable land	None	None	None
SOUTH AMERICA						
Argentina	Excludes fallow land and land prepared for cultivation but not planted	Excludes fallow land and land prepared for cultivation but not planted	Includes small area of planted forest trees	None	None	Includes fallow land and land prepared for cultivation but not planted
Brazil	Excludes fallow land not used year preceding or year following the census	Excludes fallow land not used year preceding or year following the census	None	None	None	Includes fallow land not used year preceding or year following the census
Chile	None	None	None	None	None	None
Colombia	None	None	None	None	None	None
Paraguay	None	None	None	None	None	None
Peru	None	None	None	None	None	None
Surinam	Excludes fallow land	Excludes fallow land	None	None	Included in all other land	Includes wood or forest land and fallow land
Uruguay	None	None	None	None	None	None
Venezuela	None	None	None	None	None	None
ASIA						
Brunei	None	None	None	None	None	None
Ceylon	None	None	None	None	None	None
China (Taiwan)	None	None	None	None	None	None
India	None	None	None	None	None	None
Indonesia	None	None	None	None	None	None
Iran	Part of fallow land not included in holding	Part of fallow land not included in holding	None	Not included in holding	None	Not included in holding

TABLE 3.1 - REARRANGEMENTS OF DATA TO MATCH FAO CLASSIFICATION OF LAND UTILIZATION (continued)

	Total cropland ¹	Arable land	Land under permanent crops	Permanent meadows and pastures	Wood or forest land	All other land
Iraq	None	None	None	None	None	None
Japan	None	None	None	None	Not included in holding	None
Korea, Rep. of	None	None	None	None	None	None
Lebanon	None	Cropland minus area in permanent crops	None	None	None	None
Malaya, Fed. of	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land
North Borneo	None	None	None	None	None	None
Pakistan	None	Cropland minus area in fruit trees	None	Included with all other land	...	Includes permanent meadows and pastures
Philippines	None	None	None	None	None	None
Sarawak	None	None	None	None	None	None
Thailand	None	None	None	None	None	None
Turkey	None	None	None	None	None	None
Viet-Nam, Rep. of	None	None	None	Included with all other land	Included with all other and	Includes permanent meadows and pastures and wood or forest land
AFRICA						
Central African Republic	Total cultivated land including land in permanent crops	Total cropland minus area in coffee and bananas	Total area in coffee and bananas	Not included in holding	Not included in holding	Not included in holding
Kenya	None	None	None	None	None	None
Lesotho	Arable land	Area in vegetable gardens not included	Not included in holding	Not included in holding	Not included in holding	Not included in holding
Libya	None	None	None	None	None	None
Madagascar	None	Cropland minus area of permanent crops	Total area of permanent crops	Not included in holding	Not included in holding	Not included in holding
Mali	None	Not available	Not available	Not included in holding	Not included in holding	Not included in holding
Morocco	None	None	None	Not included in holding	Not included in holding	Not included in holding
Portuguese Guinea	Excludes land in permanent crops when not planted with temporary crops	None	Not available	Not included in holding	Not included in holding	Not included in holding
Senegal	None	Cropland minus area in mangoes, pineapples, bananas and coconuts	Total area in mangoes, pineapples, bananas and coconuts	Not included in holding	Not included in holding	Not included in holding
Seychelles	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land
South Africa	None	None	None	None	None	None
Southern Rhodesia	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land

TABLE 3.1 - REARRANGEMENTS OF DATA TO MATCH FAO CLASSIFICATION OF LAND UTILIZATION (concluded)

	Total cropland ¹	Arable land	Land under permanent crops	Permanent meadows and pastures	Wood or forest land	All other land
South West Africa	None	None	None	None	None	None
Tanganyika (commercial holdings only)	None	None	None	None	None	None
Togo	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land
Tunisia	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land
Uganda	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land
United Arab Republic	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land
Zambia (European holdings only)	None	None	None	Included with all other land	Included with all other land	Includes permanent meadows and pastures and wood or forest land
OCEANIA						
American Samoa	Total of arable land and land in permanent crops	Total area of temporary crops	Estimated area in permanent crops	Included with all other land	Included with all other land	None
Australia	None	None	None	Area of sown grasses and clovers plus an estimated 400 million ha of natural grassland	Included with all other land	Includes wood or forest land; probably also includes some natural grazing lands
Guam	None	Cropland minus estimated area under permanent crops	Area in permanent crops	None	None	None
New Zealand	None	None	None	Area for sown grasses and clovers. (Area of natural grazing included with all other land)	Included with all other land	Includes wood or forest land and some natural grazing lands

¹ Total cropland: arable land plus land under permanent crops. This is not included in the FAO classification.

TABLE 3.2 - AREA OF HOLDINGS CLASSIFIED BY LAND USE GROUPS

	Year to which data relate	Total area of country (1 000 ha)	Total area of holdings (ha)	Cropland ¹ (ha)	Arable land (ha)	Land under permanent crops (ha)	Permanent meadows and pastures (ha)	Wood or forest land (ha)	All other land (ha)
EUROPE		392 215	231 338 493	106 414 923	95 775 080	10 651 123	71 090 880	36 381 721	17 450 969
Austria	1960	8 385	7 683 888	1 661 367	1 620 252	41 115	2 189 269	3 062 670	770 582
Belgium	1959	3 051	1 767 447	2 713 804	2 743 721	211 280	747 027	29 761	76 855
Denmark	1959	4 307	3 108 267	2 913 721	2 743 721	211 280	364 546	9 193 433	2 278 299
Finland	1959/60	33 701	15 959 621	2 596 621	2 585 222	1 111 511	1 891 156	3 604 700	1 956 700
France	1963	55 121	35 794 300	18 147 900	16 373 500	1 774 400	12 085 000	3 773 673	1 082 501
Germany, Fed. Rep. of	1960	24 681	18 023 822	7 843 280	7 708 143	135 137	5 324 368	...	1 253 043
Greece	1961	13 092	3 621 297	3 621 297	2 801 301	819 996	51 978	...	1 234 259
Ireland	1960	7 028	5 785 332	1 477 133	1 472 653	4 480	3 055 156	5 814 736	2 392
Italy	1960/61	30 123	26 571 898	12 552 853	10 209 286	2 343 567	6 970 050	...	...
Malta and Gozo	1959/60	32	18 449	16 057	14 457	1 600	...	...	...
Netherlands	1959	3 615	2 658 297	1 077 749	1 012 099	65 650	1 331 570	81 458	167 520
Norway	1959	32 392	7 369 106	828 539	785 039	43 500	4 174 538	3 513 863	2 832 166
Poland	1960	31 173	22 931 905	16 223 153	15 961 038	262 115	4 179 600	1 774 616	754 536
Spain	1961/62	50 475	44 630 089	19 441 630	15 007 348	4 434 282	18 248 360	3 388 980	3 571 119
Sweden	1961	4 979	3 866 484	3 341 578	3 337 011	4 567	524 906	...	...
United Kingdom	1960	24 480	19 022 873	7 318 880	7 202 696	116 184	10 882 007	2 143 831	821 986
Yugoslavia	1960	25 580	12 453 440	6 609 249	6 075 718	533 531	3 071 349	...	629 011
NORTH AND CENTRAL AMERICA		2 159 699	710 795 950	248 523 535	243 662 117	4 640 756	332 478 266	83 193 470	46 600 679
Antigua and Barbuda	1960/61	44	13 794	8 403	8 111	292	1 801	1 902	1 688
Barbados	1960/61	43	34 178	26 801	26 466	335	2 724	352	4 301
Canada	1961	997 618	69 827 959	36 695 945	36 612 290	83 655	21 184 877	6 979 673	4 967 464
Costa Rica	1962/63	2 090	2 668 078	609 974	409 506	200 468	1 219 433	535 631	303 050
Dominican Republic	1959/60	4 873	2 257 948	1 807 359	1 548 214	259 145	126 892	286 450	37 247
El Salvador	1961	2 139	1 559 439	647 571	487 589	159 982	604 056	226 284	81 528
Guatemala	1964	10 889	3 476 326	1 498 033	1 176 058	321 975	1 023 962	812 937	141 394
Jamaica	1961	1 142	692 581	220 662	220 379	1 310 144	200 379	97 677	173 863
Mexico	1959/60	196 927	169 084 208	23 816 912	22 506 768	1 310 144	79 092 228	43 678 641	22 496 427
Nicaragua	1962/63	14 800	3 815 932	883 802	725 386	158 416	1 771 380	1 046 197	114 553
Panama	1960	7 565	1 806 452	553 397	428 019	125 378	818 329	415 185	19 541
Puerto Rico	1958/59	890	661 244	284 614	178 540	106 074	284 249	62 291	30 090
Trinidad and Tobago	1963	513	214 990	131 865	50 261	81 604	7 852	54 370	20 903
United States	1959	917 115	454 661 045	181 331 985	179 499 270	1 832 715	226 132 862	28 989 683	18 207 015
Virgin Islands (U.K.)	1960/61	17	3 945	1 638	1 474	164	226 132 862	1 119	18 207 015
Virgin Islands (U.S.)	1960	34	17 831	4 574	4 165	409	6 867	5 078	1 312
SOUTH AMERICA		1 604 880	561 281 217	68 612 628	56 731 203	11 881 425	311 267 185	104 390 736	77 010 668
Argentina	1959/60	277 841	175 142 497	19 471 692	18 266 584	1 205 108	118 357 462	21 838 975	15 474 368
Brazil	1960	845 651	249 862 142	28 712 209	20 914 721	7 797 488	122 335 386	57 945 105	40 869 442
Chile	1964/65	74 177	30 644 131	4 434 390	4 236 674	1 977 716	10 151 034	5 807 515	10 251 192
Colombia	1960	113 834	27 337 827	5 047 088	3 515 958	1 515 130	14 605 954	6 387 024	1 297 761
Paraguay	1960/61	40 675	17 473 474	846 919	739 747	1 107 172	9 297 860	5 458 573	1 870 122
Peru	1960/61	128 522	17 722 044	2 596 321	2 254 155	342 166	8 819 461	1 997 289	4 308 973
Surinam	1958/59	18 693	105 832	37 887	29 964	7 923	62 223	62 223	62 223
Uruguay	1961	91 205	16 988 408	2 251 709	2 194 890	56 819	13 847 317	592 638	296 744
Venezuela	1960/61	91 205	26 004 862	5 214 413	4 562 510	631 903	13 846 989	4 363 617	2 579 843

TABLE 3.2 - AREA OF HOLDINGS CLASSIFIED BY LAND USE GROUPS (concluded)

	Year to which data relate	Total area of country (1 000 ha)	Total area of holdings (ha)	Cropland ¹ (ha)	Arable land (ha)	Land under permanent crops (ha)	Permanent meadows and pastures (ha)	Wood or forest land (ha)	All other land (ha)
ASIA		1 047 315	250 960 247	222 071 470	209 207 768	12 863 702	6 520 943	5 815 667	16 552 167
Brunei	1963/64	576	32 487	17 745	3 864	13 881	41	5 324	9 377
Ceylon	1961/62	6 561	1 888 461	1 610 293	527 508	1 083 485	13 191	68 293	195 984
China (Taiwan)	1960	3 596	1 029 503	791 531	698 828	92 703	3 506	173 855	60 611
India	1960/61	326 293	131 873 000	120 268 000	118 962 000	1 306 000	4 484 000	264 000	6 857 000
Indonesia	1962/63	149 156	14 634 695	12 850 923	9 901 733	2 949 190	55 808	126 932	1 601 032
Iran	1960	164 800	11 356 254	11 320 436	11 029 513	290 923	71 202	35 818	502 301
Iraq	1957/58	44 444	8 038 703	7 273 143	7 273 143	187 483	633 162	4 574	462 539
Japan	1960	36 966	7 141 941	6 046 240	5 679 418	366 822	633 162	2 812 575	98 066
Korea, Rep. of	1961	9 850	4 815 471	1 862 390	1 862 390	24 689	17 751	17 703	21 161
Lebanon	1961/62	1 040	304 014	255 101	204 149	50 952	10 049	17 703	183 667
Malaya, Fed. of	1959/60	13 129	1 951 801	1 768 134	321 299	1 446 835	5 176	72 815	10 141
North Borneo	1960/61	7 611	246 289	158 657	43 732	114 915	5 176	418 840	5 355 017
Pakistan	1959/60	94 626	28 592 832	22 818 975	22 519 832	299 143	380 024	581 712	114 571
Philippines	1959/60	29 968	7 772 485	6 696 178	4 900 572	1 795 606	3 074	23 438	5 994
Sarawak	1959/60	12 520	240 676	208 170	54 302	153 868	90 169	951 725	316 883
Thailand	1962/63	51 400	11 149 190	9 790 413	8 430 164	1 360 249	753 790	258 063	429 488
Turkey	1963	77 698	17 142 777	15 701 436	14 602 265	1 099 171	...	...	328 335
Viet-Nam, Rep. of	1960	17 081	2 749 168	2 420 833	2 193 046	227 787	...	...	34 703 709
AFRICA		1 100 909	234 932 960	40 316 717	34 752 404	4 081 214	152 734 903	7 177 631	368 503
Central African Republic	1960	62 298	450 800	450 800	421 100	29 700	3 943 438	136 623	160 273
Kenya	1960/61	58 265	86 118 725	1 670 161	1 382 916	287 245	1 135 750	63 274	...
Lesotho	1960/61	3 034	352 754	352 754	351 754	1 000	...	...	...
Libya	1959/60	175 954	3 868 728	2 306 431	2 375 074	134 357	...	...	...
Madagascar	1961/62	59 000	917 000	917 000	694 000	223 000	...	...	...
Mali	1960	120 162	1 220 529	1 220 529	6 901 818	374 182	3 600 000	...	...
Morocco	1961/62	44 368	10 876 000	7 276 000	6 901 818	480 189	90 389 976	1 589 129	1 907 654
Portuguese Guinea	1960/61	3 612	262 570	262 570	1 449 872	90 183	52 905 739	5 298 111	26 441 512
Senegal	1960/61	19 619	1 072 343	1 072 343	1 069 723	2 620	248 000	86 000	2 237 327
Seychelles	1959	40	25 624	13 725	1 004	12 721	...	4 494	7 405
South Africa	1959/60	122 341	103 944 935	12 058 176	11 577 987	480 189	90 389 976	1 589 129	1 907 654
Southern Rhodesia	1960	38 936	27 981 567	1 540 055	1 449 872	90 183	52 905 739	5 298 111	26 441 512
South West Africa	1959/60	82 429	61 082 869	641 692	641 245	447	248 000	86 000	2 237 327
Tanganyika (commercial holdings only)	1960	93 706	975 000	399 000	113 000	286 000	...	...	...
Togo	1961	5 660	569 821	569 821	444 791	125 030	...	...	...
Tunisia	1961/62	12 518	5 022 000	4 510 000	3 200 000	1 310 000	512 000	...	1 594 439
Uganda	1963/64	24 341	3 856 196	2 261 757	1 598 486	663 271	...	...	104 536
United Arab Republic	1961	100 000	2 614 111	2 509 575	2 449 273	60 302	...	...	1 640 060
Zambia (European holdings)	1959/60	74 626	1 721 388	81 328	80 361	967	...	...	41 776 400
OCEANIA		797 357	482 406 869	13 564 361	13 378 295	186 066	425 586 723	1 479 385	38 687 897
American Samoa	1960	20	4 662	1 929	329	1 600	412 801 335	...	2 733
Australia	1959/60	770 416	464 575 646	13 086 414	12 915 361	171 053	12 781 954	...	3 083 097
Guam	1960	53	12 994	6 887	5 887	1 000	...	...	...
New Zealand	1959/60	26 868	17 813 567	469 131	456 718	12 413	...	...	...
TOTAL		7 102 375	2 471 715 736	699 503 634	653 506 867	44 304 286	1 299 678 900	238 438 610	234 094 592

¹ Cropland = arable land plus land under permanent crops. — ² Not included in cropland nor total area of holdings. — ³ Includes also area in holdings covered by transect method.

TABLE 3.3 - AREA OF HOLDINGS AS PERCENTAGE OF TOTAL AREA OF COUNTRY AND PERCENT DISTRIBUTION OF AREA IN HOLDINGS BY USE OF LAND

	Year to which data relate	Holding area as percent- age of total area of country	Percent distribution of holding area by use						
			Total area of holdings	Cropland			Perma- nent meadows and pastures	Wood or forest land	All other land
				Total	Arable land	Land under perma- nent crops			
Percent									
EUROPE		59.0	100.0	46.0	41.4	4.6	30.7	15.7	7.6
Austria	1960	91.6	100.0	21.6	21.1	0.5	28.5	39.9	10.0
Belgium	1959	57.9	100.0	51.7	49.0	2.7	42.3	1.7	4.3
Denmark	1959	72.2	100.0	88.3	88.3	—	11.7	...	...
Finland	1959/60	47.4	100.0	16.3	16.2	0.1	2.0	67.4	14.3
France	1963	64.9	100.0	50.7	45.7	5.0	33.8	10.1	5.4
Germany, Fed. Rep. of	1960	73.0	100.0	43.5	42.8	0.7	29.6	20.9	6.0
Greece	1961	28.1	100.0	98.6	76.3	22.3	1.4	...	...
Ireland	1960	82.3	100.0	25.5	25.4	0.1	52.8	...	21.7
Italy	1960/61	88.2	100.0	47.2	38.4	8.8	26.2	21.9	4.7
Malta and Gozo	1959/60	57.7	100.0	87.0	78.4	8.6	...	...	13.0
Netherlands	1959	73.5	100.0	40.5	38.1	2.4	50.1	3.1	6.3
Norway	1959	22.7	100.0	11.2	10.7	0.5	2.4	47.7	38.7
Poland	1960	73.6	100.0	70.7	69.6	1.1	18.2	7.8	3.3
Spain	1961/62	88.5	100.0	43.5	33.6	9.9	40.9	7.6	8.0
Sweden	1961	86.0	100.0	86.4	86.3	0.1	13.6	...	...
United Kingdom	1960	77.7	100.0	38.5	37.9	0.6	57.2	...	4.3
Yugoslavia	1960	48.7	100.0	53.1	48.8	4.3	24.7	17.2	5.0
NORTH AND CENTRAL AMERICA		32.9	100.0	35.0	34.3	0.7	46.8	11.7	6.5
Antigua and Barbuda	1960/61	31.4	100.0	60.9	58.8	2.1	13.1	13.8	12.2
Barbados	1960/61	79.5	100.0	78.4	77.4	1.0	8.0	1.0	12.6
Canada	1961	70.0	100.0	52.6	52.4	0.2	30.3	10.0	7.1
Costa Rica	1962/63	52.4	100.0	22.9	15.4	7.5	45.7	20.1	11.3
Dominican Republic	1959/60	46.3	100.0	80.1	68.6	11.5	5.6	12.7	1.6
El Salvador	1961	72.9	100.0	41.5	31.3	10.2	38.8	14.5	5.2
Guatemala	1964	31.9	100.0	43.0	33.8	9.2	29.5	23.4	4.1
Jamaica	1961	60.6	100.0	31.9	...	...	28.9	14.1	25.1
Mexico	1959/60	85.9	100.0	14.1	13.3	0.8	46.8	25.8	13.3
Nicaragua	1962/63	25.8	100.0	23.2	19.0	4.2	46.4	27.4	3.0
Panama	1960	23.9	100.0	30.6	23.7	6.9	45.3	23.0	1.1
Puerto Rico	1958/59	74.3	100.0	43.0	27.0	16.0	43.0	9.4	4.6
Trinidad and Tobago	1963	41.9	100.0	61.4	23.4	38.0	3.6	25.3	9.7
United States	1959	49.5	100.0	39.9	39.5	0.4	41.5	14.6	4.0
Virgin Islands (U.K.)	1960/61	23.2	100.0	41.5	37.4	4.1	22.4	28.4	7.7
Virgin Islands (U.S.)	1960	52.4	100.0	25.6	23.3	2.3	38.5	28.5	7.4
SOUTH AMERICA		35.0	100.0	12.2	10.1	2.1	55.5	18.6	13.7
Argentina	1959/60	63.0	100.0	11.1	10.4	0.7	67.6	12.5	8.8
Brazil	1960	29.5	100.0	11.5	8.4	3.1	48.9	23.2	16.4
Chile	1964/65	41.3	100.0	14.5	13.8	0.7	33.1	18.9	33.5
Colombia	1960	24.0	100.0	18.5	12.9	5.6	53.4	23.4	4.7
Paraguay	1960/61	43.0	100.0	4.9	4.3	0.6	53.2	31.2	10.7
Peru	1960/61	13.8	100.0	14.6	12.7	1.9	49.8	11.3	24.3
Surinam	1958/59	0.7	100.0	35.8	28.3	7.5	5.4	...	58.8
Uruguay	1961	90.9	100.0	13.3	12.9	0.4	81.5	3.5	1.7
Venezuela	1960/61	28.5	100.0	20.0	17.5	2.5	53.3	16.8	9.9

TABLE 3.3 - AREA OF HOLDINGS AS PERCENTAGE OF TOTAL AREA OF COUNTRY AND PERCENT DISTRIBUTION OF AREA IN HOLDINGS BY USE OF LAND (concluded)

	Year to which data relate	Holding area as percentage of total area of country	Percent distribution of holding area by use						
			Total area of holdings	Cropland			Permanent meadows and pastures	Wood or forest land	All other land
				Total	Arable land	Land under permanent crops			
Percent									
ASIA		24.0	100.0	88.5	83.4	5.1	2.5	2.4	6.6
Brunei	1963/64	5.6	100.0	54.6	11.9	42.7	0.1	16.4	28.9
Ceylon	1961/62	28.8	100.0	85.3	27.9	57.4	0.7	3.6	10.4
China (Taiwan)	1960	28.6	100.0	76.9	67.9	9.0	0.3	16.9	5.9
India	1960/61	40.4	100.0	91.2	80.2	1.0	3.4	0.2	5.2
Indonesia	1962/63	9.8	100.0	87.8	67.7	20.1	0.4	0.9	10.9
Iran	1960	6.9	100.0	99.7	97.1	2.6	...	0.3	...
Iraq	1957/58	18.1	100.0	92.8	90.5	2.3	0.9	0.1	6.2
Japan	1960	19.3	100.0	84.7	79.5	5.2	8.9	...	6.4
Korea, Rep. of	1961	48.9	100.0	39.2	38.7	0.5	0.4	58.4	2.0
Lebanon	1961/62	29.2	100.0	83.9	67.2	16.7	3.3	5.8	7.0
Malaya, Fed. of	1959/60	14.9	100.0	90.6	16.5	74.1	...	...	9.4
North Borneo	1960/61	3.2	100.0	64.3	17.7	46.6	2.1	29.5	4.1
Pakistan	1959/60	30.2	100.0	79.8	78.8	1.0	...	1.5	18.7
Philippines	1959/60	25.9	100.0	86.1	63.0	23.1	4.9	7.5	1.5
Sarawak	1959/60	1.9	100.0	86.5	22.6	63.9	1.3	9.7	2.5
Thailand	1962/63	21.7	100.0	87.8	75.6	12.2	0.8	8.5	2.9
Turkey	1963	22.1	100.0	91.6	85.2	6.4	4.4	1.5	2.5
Viet-Nam, Rep. of	1960	16.1	100.0	88.1	79.8	8.3	...	...	11.9
AFRICA		21.3	100.0	17.2	14.8	1.7	65.0	3.0	14.8
Central African Republic	1960	0.7	100.0	100.0	93.4	6.6	...	...	...
Kenya	1960/61	10.5	100.0	27.3	22.6	4.7	64.5	2.2	6.0
Lesotho	1960/61	11.6	100.0	100.0	99.7	0.3	...	...	...
Libya	1959/60	2.2	100.0	64.9	61.4	3.5	29.4	1.6	4.1
Madagascar	1961/62	1.6	100.0	100.0	75.7	24.3	...	...	...
Mali	1960	1.0	100.0	100.0	...	...	...	...	...
Morocco	1961/62	24.5	100.0	66.9	63.5	3.4	33.1	...	...
Portuguese Guinea	1960/61	7.3	100.0	100.0	...	...	...	...	...
Senegal	1960/61	5.5	100.0	100.0	99.8	0.2	...	...	...
Seychelles	1960	64.1	100.0	53.6	3.9	49.7	...	17.5	28.9
South Africa	1959/60	86.6	100.0	11.4	10.9	0.5	85.3	1.5	1.8
Southern Rhodesia	1960	71.9	100.0	5.5	5.2	0.3	...	...	94.5
South West Africa	1959/60	74.1	100.0	1.0	1.0	—	86.6	8.7	3.7
Tanganyika (commercial holdings only)	1960	1.0	100.0	40.9	11.6	29.3	25.5	8.8	24.8
Togo	1961	10.1	100.0	100.0	78.1	21.9	...	...	...
Tunisia	1961/62	40.1	100.0	89.8	63.7	26.1	10.2	...	...
Uganda	1963/64	15.8	100.0	58.7	41.5	17.2	...	...	41.3
United Arab Republic	1961	2.6	100.0	96.0	93.7	2.3	...	...	4.0
Zambia (European holdings)	1959/60	2.3	100.0	4.8	4.7	0.1	...	...	95.2
OCEANIA		60.5	100.0	2.8	2.8	...	88.2	0.3	8.7
American Samoa	1960	23.3	100.0	41.4	7.1	34.3	...	...	58.6
Australia	1959/60	60.3	100.0	2.8	2.8	...	88.9	...	8.3
Guam	1960	24.5	100.0	53.0	45.3	7.7	26.4	...	20.6
New Zealand	1959/60	66.3	100.0	2.6	2.5	0.1	71.8	8.3	17.3
TOTAL		34.8	100.0	28.3	26.5	1.8	52.6	9.6	9.5

TABLE 3.4 - CROPLAND AND ARABLE LAND PER HOLDING AND PER CAPUT

	Cropland		Arable land			Cropland		Arable land	
	Per holding (ha)	Per 1 000 persons (ha)	Per holding (ha)	Per 1 000 persons (ha)		Per holding (ha)	Per 1 000 persons (ha)	Per holding (ha)	Per 1 000 persons (ha)
Hectares					Hectares				
EUROPE	5.0	312	4.5	281	ASIA	2.3	243	2.2	229
Austria	4.2	235	4.1	230	Brunei	3.0	185	0.7	41
Belgium	3.4	100	3.2	95	Ceylon	1.4	308	0.5	51
Denmark	13.9	603	13.9	603	China (Taiwan)	1.0	75	0.8	66
Finland	6.7	591	6.7	588	India	2.5	278	2.4	275
France	9.6	380	8.6	342	Indonesia	1.0	128	0.8	98
Germany, Fed. Rep. of ..	4.6	147	4.5	145	Iran	6.0	527	5.9	513
Greece	3.1	431	2.4	334	Iraq	29.5	1 146	28.7	1 117
Ireland	4.1	521	4.1	520	Japan	1.0	65	0.9	61
Italy	2.9	253	2.4	206	Korea, Rep. of	0.8	74	0.8	73
Malta and Gozo	1.3	49	1.2	43	Lebanon	2.0	118	1.6	94
Netherlands	3.6	130	3.4	89	Malaya, Fed. of	3.9	255	0.7	46
Norway	4.7	233	4.1	221	North Borneo	3.7	338	1.0	93
Poland	4.5	546	4.4	537	Pakistan	1.9	222	1.9	219
Spain	6.5	631	5.0	487	Philippines	3.1	244	2.3	179
Sweden	12.6	444	12.6	444	Sarawak	4.6	277	1.2	72
United Kingdom	15.6	140	15.4	138	Thailand	3.0	338	2.6	291
Yugoslavia	2.5	359	2.3	330	Turkey	4.6	530	4.3	493
					Viet-Nam, Rep. of	1.3	172	1.2	156
NORTH AND CENTRAL AMERICA	34.6	999	33.9	970	AFRICA	5.3	422	4.6	364
Antigua and Barbuda ..	1.3	143	1.3	143	Central African Republic	2.2	488	2.2	486
Barbados	0.9	116	0.9	112	Kenya	1.9	381	1.8	356
Canada	76.3	2 009	76.1	2 004	Lesotho	3.2	206	2.7	170
Costa Rica	9.4	439	6.3	295	Libya	17.2	1 860	16.2	1 761
Dominican Republic ..	2.4	352	1.8	256	Madagascar	1.0	165	0.8	125
El Salvador	2.9	257	2.2	193	Mali	4.4	301	...	...
Guatemala	3.6	347	2.8	273	Morocco	6.6	625	6.2	593
Jamaica	1.4	134	...	...	Portuguese Guinea ...	3.0	502	...	...
Mexico	17.4	661	16.5	624	Senegal	3.6	345	3.6	344
Nicaragua	8.7	574	7.1	470	Seychelles	12.7	333	0.9	24
Panama	5.8	505	4.5	391	South Africa	109.6	757	105.3	727
Puerto Rico	6.2	123	3.9	77	Southern Rhodesia ...	3.5	423	3.3	398
Trinidad and Tobago ..	3.7	147	1.4	56	South West Africa ...	118.9	1 230	118.7	1 228
United States	48.9	1 020	48.4	1 009	Tanganyika (commercial holdings only)	332.5	39	94.2	11
Virgin Islands (U.K.) ..	2.0	200	1.9	188	Togo	2.6	385	2.1	301
Virgin Islands (U.S.) ...	9.2	148	8.4	135	Tunisia	13.8	1 133	9.8	804
SOUTH AMERICA	10.2	500	8.4	413	Uganda	1.9	315	1.4	222
Argentina	41.3	934	38.7	876	United Arab Republic...	1.5	95	1.5	92
Brazil	8.6	412	6.3	300	Zambia (European holdings)	54.0	252	53.3	241
Chile	17.1	509	16.4	487					
Colombia	4.2	328	2.9	229	OCEANIA	40.7	1 065	40.2	1 051
Paraguay	5.3	470	4.6	411	American Samoa	0.9	95	0.1	15
Peru	3.0	252	2.6	218	Australia	51.9	1 274	51.3	1 257
Surinam	2.4	158	1.9	124	Guam	3.5	106	3.0	91
Uruguay	25.9	874	25.2	852	New Zealand	6.1	198	5.9	193
Venezuela	16.3	685	14.3	599					
					TOTAL	5.0	399	4.7	373

TABLE 3.5 - AREA OF FALLOW LAND

	Fallow land (1 000 ha)		Fallow land (1 000 ha)
EUROPE	6 704	ASIA	21 842
Austria	113	India	4 734
Belgium	3	Iran	4 534
Denmark	6	Iraq	5 310
Finland	60	Japan	40
Germany, Fed. Rep. of	40	North Borneo	6
Greece	459	Pakistan	330
Netherlands	13	Philippines	1 160
Norway	10	Sarawak	31
Spain	5 710	Thailand	2 670
Sweden	137	Turkey	5 027
Yugoslavia	263		
NORTH AND CENTRAL AMERICA	55 717	AFRICA	5 061
Canada	11 429	Kenya	101
Costa Rica	182	Libya	1 287
Dominican Republic	336	Morocco	2 000
Guatemala	422	Portuguese Guinea	66
Mexico	10 438	Tanganyika	52
Nicaragua	337	Tunisia	1 555
Panama	223		
Trinidad and Tobago	1	OCEANIA	2 894
United States	32 349	Australia	2 843
SOUTH AMERICA	4 945	New Zealand	51
Chile	1 650		
Colombia	1 579	TOTAL	97 163
Paraguay	184		
Peru	350		
Uruguay	398		
Venezuela	784		

¹ Includes area in green manure crops.

² Includes unused arable land.

TABLE 3.6 - AREA OF HOLDINGS BY LAND USE GROUPS: CENSUSES OF 1960 AND 1950 (including only those countries that furnished this information for both censuses)

	Total area of holdings		Cropland ¹		Arable land		Fallow land		Land under permanent crops		Land under permanent meadows and pastures		Wood or forest land		All other land		Area outside holdings		Total area of country	
	Thousands of hectares																			
	1960	1950	1960	1950	1960	1950	1960	1950	1960	1950	1960	1950	1960	1950	1960	1950	1960	1950	1960	1950
EUROPE	101 370	118 793	40 034	40 599	38 210	37 931	994	1 805	1 836	1 911	29 608	29 627	21 799	36 444	9 933	12 123	123 921	106 655	225 291	225 448
Austria	7 684	7 726	1 661	1 686	1 620	1 638	13	27	41	48	2 189	2 293	3 063	2 966	771	781	701	659	8 385	8 385
Belgium	1 767	1 801	914	1 065	866	1 000	3	26	48	65	747	736	30	30	77	262	1 284	1 250	3 051	3 051
Denmark	3 108	2 744	2 690	2 445	2 744	2 674	6	9	11	16	365	478	168	168	2 278	2 012	1 199	695	4 307	4 293
Finland	15 960	15 534	2 597	2 445	2 585	2 431	60	78	12	14	1 891	283	9 193	10 794	2 278	2 012	17 741	18 167	33 701	33 701
Germany, Fed. Rep. of	18 024	22 173	7 843	8 032	7 708	7 730	40	48	135	302	5 324	5 535	3 774	6 931	1 083	1 675	6 657	2 584	24 681	24 757
Greece	3 673	3 605	3 621	3 038	2 801	2 549	459	765	820	489	52	338	...	229	1 253	1 142	9 419	9 651	13 092	13 256
Ireland	5 785	5 893	1 477	1 579	1 473	1 574	...	...	4	5	3 055	3 102	...	70	1 253	1 142	1 243	1 135	7 028	7 028
Netherlands	2 658	2 335	1 078	1 054	1 012	959	...	...	66	95	1 332	1 281	...	...	1 68	1 280	957	1 280	3 615	3 615
Norway	7 369	7 053	829	757	785	785	10	4	44	188	175	289	3 514	3 604	2 852	2 403	25 023	25 369	32 392	32 432
Sweden	3 866	16 300	3 342	3 835	3 337	3 647	137	143	5	188	525	686	...	8 843	...	2 936	41 113	28 620	44 979	44 920
United Kingdom	19 023	19 504	7 319	7 418	7 203	7 284	109	109	116	134	10 882	11 491	2 59	2 59	822	336	5 457	4 976	24 480	24 480
Yugoslavia	12 453	13 271	6 609	7 000	6 076	6 445	263	592	534	555	3 071	3 115	2 144	2 580	629	576	13 127	12 269	25 580	25 540
NORTH AMERICA	710 528	700 341	248 356	257 372	243 576	252 175	55 716	45 026	4 557	3 862	332 463	261 492	83 136	141 394	46 572	40 083	1 449 406	1 459 991	2 159 934	2 160 332
Canada	69 828	70 433	36 696	38 141	36 612	38 049	11 429	8 916	84	92	21 185	22 020	6 980	9 219	4 967	1 033	927 790	925 621	997 618	996 054
Costa Rica	2 668	1 812	610	355	410	223	182	87	200	132	1 219	625	536	577	303	255	2 422	3 289	5 090	5 101
Dominican Republic	2 258	2 328	1 807	1 461	1 548	1 103	336	239	259	358	1 27	271	286	439	37	157	2 615	2 545	4 873	4 873
El Salvador	1 559	1 530	648	544	488	391	...	...	160	153	604	704	226	206	81	76	580	570	2 139	2 100
Guatemala	3 476	3 714	1 498	1 473	1 176	1 314	422	371	322	159	1 024	582	813	1 330	141	329	7 413	7 175	10 889	10 889
Jamaica	693	726	221	155	...	...	...	...	...	...	200	241	98	125	174	205	449	416	1 142	1 142
Mexico	169 084	145 517	23 817	19 928	22 507	19 109	10 438	9 106	1 310	819	79 092	67 296	43 679	38 836	22 496	19 457	27 843	15 483	196 927	197 000
Nicaragua	3 816	2 368	884	564	725	436	149	149	158	128	1 771	636	1 046	1 168	115	...	12 432	12 432	14 800	14 800
Panama	1 806	1 159	553	878	438	...	223	214	125	...	18	124	415	157	20	...	5 759	6 288	7 565	7 447
Puerto Rico	661	725	285	302	179	...	...	...	106	...	284	312	62	72	30	39	229	165	7 890	7 890
United States	454 661	470 003	181 332	193 564	179 499	191 544	32 349	25 944	1 833	2 020	226 132	168 672	28 990	89 256	18 207	18 511	463 306	449 999	917 967	920 002
Virgin Islands (U.S.)	18	26	5	7	4	6	...	...	...	1	7	9	5	9	1	1	16	8	34	34
SOUTH AMERICA	320 193	299 681	41 225	29 889	31 205	18 719	2 761	1 274	10 021	5 117	164 635	148 861	69 289	69 285	45 044	51 646	749 190	769 702	1 069 383	1 069 383
Brazil	249 862	232 211	28 712	19 095	20 915	14 693	...	...	7 797	4 402	122 335	107 633	57 945	55 999	40 869	49 484	595 789	613 440	845 651	845 651
Colombia	27 338	27 748	5 047	6 053	3 532	3 532	1 579	...	1 515	...	14 606	13 437	6 387	8 258	1 298	49 484	86 496	86 086	113 834	113 834
Uruguay	16 988	16 974	2 252	2 041	2 195	1 986	398	...	57	55	13 847	13 967	593	486	297	480	1 705	1 719	18 693	18 693
Venezuela	26 005	22 748	5 214	2 700	4 563	2 040	784	1 274	652	660	13 847	13 824	4 364	4 542	2 580	1 682	65 200	68 457	91 205	91 205
ASIA	22 953	18 306	20 203	15 053	17 853	10 088	6 510	2 798	2 267	414	1 084	1 242	587	689	1 080	1 315	88 425	93 220	111 378	111 526
Iraq	8 039	6 384	7 461	5 450	7 273	5 322	5 310	2 795	187	128	71	231	5	52	502	644	36 405	38 016	44 444	44 400
Japan	7 142	6 195	6 046	5 050	5 679	4 766	40	3	284	286	633	544	...	129	463	472	29 824	30 991	36 966	37 186
Philippines	7 772	5 727	6 696	4 553	4 901	...	1 160	...	1 796	...	380	467	582	508	115	199	22 196	24 213	29 968	29 940
AFRICA	1 721	1 519	81	89	80	88	...	20	1	1	...	...	...	724	1 640	706	72 905	73 107	74 626	74 626
Zambia	1 721	1 519	81	89	80	88	...	20	1	1	...	...	...	724	1 640	706	72 905	73 107	74 626	74 626
OCEANIA	464 576	375 788	13 086	11 717	12 915	...	2 843	...	171	...	412 801	337 356	...	...	38 688	26 715	305 840	394 599	770 416	770 387
Australia	464 576	375 788	13 086	11 717	12 915	...	2 843	...	171	...	412 801	337 356	...	...	38 688	26 715	305 840	394 599	770 416	770 387
TOTAL	1 621 341	1 514 428	362 985	354 719	343 839	319 001	68 824	50 923	18 853	11 305	940 591	778 578	174 811	248 536	142 957	132 588	2 789 687	2 897 274	4 411 028	4 411 702

¹ Cropland = arable land plus land under permanent crops.

4. TENURE, OWNERSHIP AND FRAGMENTATION

4.1 Introduction

Tenure and land ownership affect agricultural production, since they normally establish the basis for its distribution. They control the sharing of production costs. They affect the incentives of holders to invest in further improvements for production. They concentrate or divide decision-making regarding operations and planning connected with agricultural production.

Tenure is concerned with the many man-made relationships that govern the rights of individuals in the use and control of land in agricultural holdings. In the various censuses of agriculture, tenure classifications refer to the relationship of holders to the land they use and how agricultural products are shared by the landowner and the holder in case of tenants.

The FAO programme for the 1960 census provided for the determination of the pattern of tenure of the land in agricultural holdings in general, as well as the pattern of tenure of the agricultural holdings as such.

4.2 Tenure

The FAO census programme provided for the determination of land tenure according to the relationship of the holder or operator of the holding to the land that he is operating. The following classification of land tenure was proposed by the FAO programme and used in the various countries.

Area owned by the holder or held in ownerlike possession. Area owned by the holder represents land over which the holder or a member of his household possesses title of ownership, and hence has the right to determine both the kind and extent

of use of the land and has also the right to transfer the land to others. Area held in ownerlike possession includes land for which the holder does not possess the title of ownership nor the right to sell or mortgage the land, but does have the right to determine the nature and extent of its use. This category includes land operated peacefully and uninterruptedly by the holder for a period of 30 years or more without the payment of rent. It also includes land under perpetual or long-term leases ranging from 30 to 99 years and also a plot of land which a resident of a community receives from the community-owned land, rent-free, with the right to retain it as long as he and his family keep it under cultivation.

Area rented. Land which the holder uses under a rental agreement with the owner of the land is included in this category. The terms of the agreement between the holder and the owner of the land vary greatly from country to country and often from area to area within a country. The agreement can be for a short term or for a long term, oral or written or based upon customary practices and with many variations in the method of paying rent. The FAO programme called for the further classification of rented land into six groups on the basis of the kind of rental payment, as follows:

1. Area rented for a fixed amount of money. The holder pays the fixed amount either per hectare or for the entire area rented.
2. Area rented for a fixed amount of produce.
3. Area rented for a fixed amount of money and some produce.
4. Area rented for a share of the produce. Under this rental arrangement the holder agrees to deliver to the landowner a share of the crops, livestock or livestock products. The amount of the share to be delivered varies greatly from

country to country and often from area to area within a country because of local customs, type of agricultural product, the extent to which the landlord provides work power, machinery, fertilizer, seeds, etc., and in some countries upon legal specifications as to the distribution of the agricultural products between landowner and tenants. Very often many of the responsibilities for operating the rented land are shared by the holder and the landlord.

5. Area rented in exchange for services. Under this type of rental arrangement, the holder is granted the use of land in lieu of wages. For example, the holder may receive land from the landlord in return for which he must work for the landlord a specified number of days per week or per month. In other cases the holder is given some land in part payment for services provided to an organization such as the government. This group includes the *colonos* in some Central and South American countries.
6. Area operated rent-free is land granted to the holder for use, rent-free.

Area operated on a squatter basis. This may be either publicly or privately owned land, occupied by the holder without the consent of the owner. The holder does not pay rent and he keeps all the agricultural products of the land.

Area operated under tribal or traditional communal tenure. The lands under this form of tenure are held by a tribe, community, village or clan. Usually the individual holder is granted the right to use the land for cropping and the holder receives all the products. Many of the rights of the individual holder and of the tribal or community ownership group are based upon native or local laws and customs. The individual's right to use the land and the land he uses may change from time to time and usually his right ceases when he no longer uses the land or sometimes when he ceases to become a member of the group.

Area operated under other forms of tenure. Land under other forms of tenure includes lands operated by trustees, lands under inheritance procedures and areas of holdings for which the tenure form could not be determined. In a few countries this group includes areas operated under managers and also

the area in holdings operated by governmental agencies.

4.3 Recommended forms of tabulation

The tabulation recommended by the FAO programme shows separately (1) tenure of holding and (2) tenure of land. Under (1), holdings are classified in two broad categories according to whether they are operated under one single form of tenure or more than one (e.g., holdings owned, rented; or partly owned and partly rented, partly owned and partly occupied on a squatter basis, etc.). It is requested that both number and total area be shown.

Under (2), holdings operated under more than one form of tenure are dissolved into their different land tenure components, showing the area owned, rented, occupied by squatters, etc.

4.4 Number and area of holdings by tenure

The classification of holdings by tenure represents a grouping of holdings by operational units. Holdings are operated under a large variety of land tenure arrangements. Some holders own all the land they use. Other holders rent all the land they use or operate. Many holders own part and rent part of the land they use or operate. Some holdings are operated by community groups. In a number of countries a considerable number of holdings are operated by persons who neither own nor rent the land they operate. In some countries landowners employ a manager to operate their lands for them. The arrangements under which rented holdings are used or operated vary greatly within countries and from country to country and are affected by the characteristics of social and economic conditions in the country, the stage the country has reached in economic development, the frequency of change in cultivating techniques, the governmental programmes undertaken to distribute or redistribute land, the existence of laws and customs governing distribution of products between holder and landlord, the relation of population to available land and by the opportunities for employment outside agriculture. In a number of countries most holdings were operated under the same tenure, and data on tenure were not

obtained by the census. This was the situation in many African countries where holdings were operated under arrangements provided by the tribe, community or village; and in areas where the agricultural products were produced by aborigines, tribal groups, and communities.

Data on the number of holdings by tenure and their distribution are given in Tables 4.1 and 4.2 for the 66 countries for which the data were available. The corresponding area was available in the case of 54 countries and this is also shown in these tables. The 66 countries contained 130 of the 140 million holdings in the 83 countries included in the censuses.

The most significant feature of the tenure structure of agriculture in these countries is that a very large proportion of agricultural holdings (and of land in holdings) is operated by holders who own the land. The 27 million holdings classified under more than one form of tenure nearly always were partly owned. On the basis of information not included in Table 4.1, it would appear that only one in ten of the holdings so classified, in the 66 countries, was operated by a holder without any ownership interest in the land. It is likely that the proportion of the holdings in which the holders have some kind of ownership interest is even higher in the 17 countries not included in Table 4.1 than for the 66 countries.

Over 85 of the 130 million holders in the 66 countries operated only land they owned.

Tenants, or operators who rent all the land they operate, totalled only a little more than 13 million. Only in 7 countries (Malta and Gozo, the United Kingdom, Chile, Surinam, Iran, the Philippines and Tanganyika) were more than one third of all holdings operated by tenants.

The number of tenants was classified by kind of tenant for 21 countries (Table 4.5). These countries had one third of all the holdings operated by tenants for the countries in Table 4.1. More than half of all tenants paid their landlords a share of the products as rent. In Asia (where almost three fourths of all holdings in Table 4.1 are located), almost four fifths of all tenants paid a share of produce as rent. More than one third of the 4.5 million tenants in the 21 countries paid a fixed amount of money and/or produce as rent. More than one third of all holdings for which the

tenant holder paid a fixed amount of money and/or produce were in Europe.

Data in Table 4.1 indicate that almost three fourths of a million holdings were operated by squatters. These figures do not indicate the full extent of the operation of holdings by squatters, because a number of countries included the data for squatters under other single forms of tenure. Nearly all the holdings operated by squatters were in Central and South America.

Holdings operated by tribal communities, etc., under communal tenure form totalled 50 000. However, the figures shown in Table 4.1 greatly understate the extent of communal tenures. In some countries, where a large percentage of the holdings were operated by individuals, the land held in common by indigenous tribes or aborigines was not included in the census (India, Pakistan) or was not separated in the tabulations (China [Taiwan], the Philippines, etc.). In many African countries south of the Sahara, where communal tenure was the predominant form, census statistics did not identify holdings as operated by the community or tribe. In these countries the unit of census enumeration was the household, and consequently the holding comprised the land cultivated or used by the members of the household.

In the case of communal tenure the land is owned by the tribe, clan, community or village. Parcels of land are allotted to individuals or individual households for use. The individual holder does not have the rights to an individual parcel of land which enable him to sell it or give it to someone else. Usually the individual holder or household possesses no continuing rights to a specific parcel of land, and land in fallow or not in use reverts to the community for disposal. Land used for grazing, land under fallow and unused land usually was not allotted to individual holders or households and was retained under the control of the community or chief. The land of the tribe, group or clan not allotted to individuals or households was not included in the census. In a number of African countries the system of communal land tenure was in the process of change at the time of the census. In some countries programmes were in process of passing parcels of land into individual ownership.

Since the censuses in several African countries did obtain information for individual households and not for communal groups as a whole, the holdings in the Central African Republic, most

of Kenya, Lesotho, Mali, Portuguese Guinea, Senegal, Togo and Uganda have been included in the relevant tables in this chapter, arbitrarily as holdings operated in ownerlike possession. (In these countries the operation of parcels of land cultivated by households or holders was entirely individual, and all the products belonged to the household or to the individual and his wives.)

The more than 1 300 000 holdings shown in Table 4.1 as operated under other single tenure forms include holdings operated under a large variety of tenure arrangements. More than half of these holdings could have been differently classified (mostly as rented) according to the FAO classification, except for lack of information in the countries' groupings. The Republic of Korea, for instance, classifies all holdings in two groups: owned and not owned.

Examples of other forms of tenure included under this heading follow: in Costa Rica and the Dominican Republic this group included holdings operated under concessions; in Mexico, holdings operated by ejidos; in the United States and New Zealand, holdings operated by managers; in the Republic of Korea, holdings operated by tenants, or rent-free; and in Thailand, holdings operated by squatters, holdings operated rent-free or in exchange for services.

One fifth of all holdings were operated under more than one tenure form. Nearly all these holdings comprised land owned and land rented from others. The operators of these holdings were both owners and tenants. Many holders who owned some land found that renting additional land was the most feasible method of increasing the size of their agricultural operation. (For two countries, the Dominican Republic and Mexico, no holdings were classified as operated under more than one tenure form. In these two countries holdings were classified according to the predominant tenure.)

The holdings belonging to different tenure categories have different average size. As a consequence, as can be seen from Table 4.2, the percentage distribution of the number of holdings by tenure differs somewhat from the percentage distribution of the corresponding area. Thus, the proportion of holdings operated by owners is larger for most countries (except for countries in South America) than the proportion of the total area of holdings operated by owners.

Total area of holdings belonging to different tenure categories. The following comments can be made, with reference to Table 4.2:

1. Approximately one ninth of the area of all holdings was operated by tenants. One fourth or more of the area of all holdings was operated by tenants in 10 of the 54 countries for which the distribution of area is shown in Table 4.2. Tenants operated more than half the land in all holdings in 3 of the 54 countries (Malta and Gozo, Iran and Tanganyika).
2. Almost 8 percent of the land in all holdings was classified as operated under other single forms of tenure. (However, this percentage includes the area of some holdings that, as already mentioned, should have been differently classified.)
3. More than one fifth of the land in all holdings was in holdings operated under more than one tenure form. In most countries more area was in holdings belonging to this tenure group than in holdings operated by tenants.

Data have been developed to indicate the tenure of the land in holdings operated under more than one tenure form. These data are shown in Table 4.6 for 30 countries. These 30 countries had more than 90 percent of the area of holdings operated under more than one tenure form for the 54 countries for which area is given in Table 4.1. These 30 countries also had 137 million of the 164 million hectares of land shown as operated by tenants in Table 4.1.

The area of rented land in all holdings in the 30 countries totalled 273 million hectares. Slightly more than half of this rented land was in holdings operated by tenants (column 2). For 17 of the 30 countries and for the group as a whole, a smaller area of land was rented by holders operating under more than one tenure form than by tenants.

The total area of holdings operated under more than one tenure form in the 30 countries listed in Table 4.6 totalled 308 million hectares. Of this total, 136 million hectares or 45 percent was rented land (column 3) and most of the remaining 172 million hectares was land owned by the holder. More than half of the area of holdings operated under more than one tenure form was rented by tenants in 5 of the 30 countries (columns 3 and 4).

4.5 Area of holdings by tenure of land operated

The classification of area of holdings by tenure is presented in Table 4.3 for 58 countries.

Holders own a major part of the land they operate or use. Of the 1.7 thousand million hectares of land in holdings in the 58 countries, 1.1 thousand million or two thirds were owned by holders. (The data in Table 4.3 refer only to the ownership of land in the holdings actually operated by the owner. The area of land owned by the holder and rented to or used by other holders is not included. Thus, the total area of land owned by holders is considerably greater than is indicated by this table.)

A half or more of all land in holdings was owned by the holder in 52 of the 58 countries listed in Table 4.3. Actually, the area shown in Table 4.3 as owned by the holder or held in ownerlike possession understates the extent of this category, because a considerable part of the 160 million hectares shown for area operated under other tenure forms was owned or held in ownerlike possession by the holder or his representative. For example, the 45 million hectares shown for the United States, Puerto Rico and the Virgin Islands (U.S.) as operated under other tenure forms were operated by managers hired usually by owners. The area shown as operated under other tenure forms for Poland, Yugoslavia, Costa Rica, China (Taiwan), South Africa and South West Africa was operated largely by collectives, communities, tribes or other groups which owned the land operated or used. Likewise, the area shown as operated by tribal and communal groups in the three African countries was owned by the tribal or communal groups by which it was operated.

The 354 million hectares of land rented from others by holders represented about one fifth of the total area of holdings. This area included not only the rented land operated by tenants in holdings of exclusively rented land but also rented land in holdings operated under more than one tenure form. Rented land represented a half or more of the total area of holdings in only 5 of the 58 countries listed in Table 4.3. Rented land comprised less than one tenth of the total area of holdings in more than two fifths of the 58 countries.

4.6 Holdings operated by owners and tenants and land owned, by size of holding

Tables 4.7 to 4.12 present data on the distribution of holdings and area in holdings for holdings with land owned by the holder and distribution of holdings with land rented from others for countries for which data were available for uniform size-of-holding groups. The list of countries varies from table to table because data were not always available for the same size-of-holding groups or tenure groups for each of the countries. Data are classified by size of holdings according to two different classifications: one was used in Tables 4.7, 4.9 and 4.11 and another, more detailed, in Tables 4.8, 4.10 and 4.12. The tables are paired: Table 4.8 shows those countries from Table 4.7 for which the more detailed size-of-holdings groups were available; Table 4.10 does the same for Table 4.9, and Table 4.12 for 4.11.

The data in Tables 4.7 and 4.8 refer to holdings owned by the holder or held in ownerlike possession for holdings operated under one tenure form while data in Tables 4.9 and 4.10 relate to such holdings plus those with land owned by the holder or held in ownerlike possession in mixed tenure forms (holdings operated under more than one tenure form).

The countries in Table 4.7 have approximately one fourth of the holdings operated under a single tenure form and owned by the holder, when compared with the total of this category in Table 4.1. The data in Table 4.7 indicate that a large proportion of the holdings have an area of less than 5 hectares and as can be seen from Table 4.8, a significant part of these holdings have an area of less than 1 hectare. The data in Tables 4.9 and 4.10 indicate that a major share of the land owned by holders was concentrated in the larger holdings. More than 60 percent of the area owned was in holdings of the size of 20 hectares or more.

The data in Tables 4.11 and 4.12 relate to holdings with all the area in the holding rented by the holder. The data in Table 4.11 refer to countries having nearly 40 percent of the holdings shown in Table 4.1 as operated by tenants. The data in Table 4.12 refer to relatively few countries and a small number of holdings operated by tenants. The

data indicate that a large proportion of the holdings operated by tenants contain less than 10 hectares and that holdings with less than 2 hectares comprise a significant proportion of all holdings operated by tenants.

4.7 Changes in number of holdings by tenure and area of holdings by tenure of land operated, 1930 to 1960

Data on the number of holdings by tenure appear in Table 4.13 for 20 countries. These countries contained one sixth of the agricultural holdings in the 83 countries included in the 1960 census. Generally, the number of holdings classified as operated by owners and by tenants refers to the number operated under one tenure form.

The measurement of the change in number of holdings by tenure and in tenure of land operated from 1930 to 1960 is difficult and complicated because of changes from census to census in the definition of a holding, changes in tenure classifications and definitions and because of redistribution of lands in a number of countries (United Arab Republic and Japan, for example). Moreover the programmes for the 1950 and 1960 world censuses of agriculture provided for the tabulation of data for holdings operated under more than one tenure form (mixed tenures), while provisions for the tabulation for the 1930 census were not specific for mixed tenure forms. Differences for many countries in the number of holdings by tenure for 1960, 1950 and 1930 are the results of changes in concepts and definitions rather than the result of real changes. In the European countries, Canada, the United States, New Zealand and Puerto Rico there were real changes from 1930 to 1960, although part of the changes indicated by the figures also result from changes in definitions and concepts. In these countries there were large-scale shifts of people during the 1930 to 1960 period to urban areas and to nonagricultural employment, primarily caused by advances in modern agricultural technology (less need for rural labour) and increased labour requirements outside agriculture. As a result there were significant decreases in these countries in the total number of holdings, the number of holdings operated by owners and tenants and, in the case of Canada and the United States, an increase in the number and relative importance of

holdings operated under mixed tenure. In Costa Rica, Panama, Brazil, the Philippines, Thailand and the United Arab Republic, there were significant increases in the number of holdings during the period covered by the three censuses, as a result of the increases in rural population and in some cases as a result of the increase in land available for agricultural production. There were increases in the number of holdings in most tenure groups in these countries. The smaller number of holdings shown as operated by tenants in Thailand in 1960 than in 1950 was the result of reclassification; a considerable part of the holdings considered to be operated by tenants in 1950 were placed under other tenure forms in 1960.

Similarly, most of the change from 1950 to 1960 in the total number of holdings and the number of holdings in each tenure group in Jamaica was the result of changing the definition of a holding rather than a real change in the number of holdings. In Uruguay there was a decrease in the number of holdings operated by tenants and an increase in the number and proportion of holdings operated by owners from 1930 to 1960. There was a large-scale reduction from 1930 to 1960 in Japan in both the number and proportion of holdings operated by tenants as a result of the execution of land reform programmes in that country.

Data on the tenure of land operated for the 1960, 1950 and 1930 censuses are given in Table 4.14. These data are less affected by differences in definition of minimum size of holding than are the data on number, because small holdings in any case are a very small proportion of total area. The area classified as other than owned by the holder or rented by the holder is large for the United States and Brazil. In the case of the United States this area comprises land in holdings operated by managers. In the case of Brazil, for 1960 this area comprises largely land operated by squatters, which in 1950 was included under area rented.

The comparisons of area by tenure of the land operated or land ownership are affected by changes in area of holdings. There were significant changes between censuses in the total area of all holdings for Costa Rica, Panama and Brazil. In most of the European countries there was an increase in the area rented by the holder as well as in the proportion of the area in all holdings rented. In Canada, the area owned by the holder and the area rented by

the holder increased from 1930 to 1960 as the result of the expansion in agriculture in the 30-year interval between the censuses. In the United States, the area owned by holders as well as the area rented by holders declined approximately 4 percent from 1950 to 1960. Both the area owned by the holder and the area rented by the holder increased in Costa Rica as the total area in all holdings increased more than 40 percent from 1950 to 1960. In Jamaica, Uruguay and Japan the changes in number of holdings in some tenure groups (Table 4.13) had the corresponding effect on the distribution of land by tenure. In Brazil the decrease of both the area owned and the area rented by the holder was a result of changes in definition of tenure categories. The distribution of land ownership in the United Arab Republic was affected by a land reform programme; the area owned by the holder declined while the area rented by the holder increased from 1950 to 1960.

The increase in land owned by the holder and the decrease in land rented by the holder in New Zealand resulted largely from the transfer of leased lands owned by the Government to private ownership and control.

Some data regarding number of holdings operated by tenants by kind of tenants for the 1960, 1950 and 1930 censuses appear in Table 4.15. For most countries the data for the number of tenants by kind of tenant are too incomplete to provide a basis for the measurement of change between censuses. The data in Table 4.15 are useful largely as a source of information regarding the kinds and relative importance of the various kinds of tenants in the several countries.

4.8 Legal status of holder

The FAO programme proposed that information be obtained regarding the legal status of the holder according to the following six groupings:

1. Holdings operated by civil persons were to include not only holdings operated by individuals but also holdings operated by two or more persons who share the technical and economic responsibility for the operation of the holding without a legal contract.
2. Holdings operated by a corporation were to include those operated by or on behalf of a group of persons with separate legal status as such without being a cooperative or a collective. Joint stock companies were to be included.
3. Holdings operated by a cooperative were to include those operated by a body constituted as a cooperative according to applicable legislation in the country.
4. Holdings operated by a consciously planned collective were to include holdings operated by a group of persons not necessarily related by blood, who voluntarily or by mandate of the governing authority joined together to exercise land rights in common.
5. Government holdings include those operated by a central or local government, either directly or through a corporation.
6. Other holdings include those not belonging to any of the other five groups including those whose status was based on customary rights, as for example, tribal holdership.

Information regarding the legal status of the holder is available for 23 countries. The data in Table 4.16 indicate that more than 99 percent of the 19 million holders in these 23 countries were civil persons. Civil persons operated holdings having more than four fifths of the area of all holdings in the 23 countries.

4.9 Fragmentation of holdings

Information regarding the number of parcels comprising each holding was available for 38 countries, and is shown in Table 4.17. A parcel was considered all land entirely surrounded by land of other holdings or by land not forming part of any holding. The splitting of agricultural holdings into numerous noncontiguous plots is a feature characterizing the layout of holdings in many countries. It is not associated with any particular form of land tenure. It exists more frequently in Europe, Asia and Africa than in the western hemisphere.

The dividing of holdings into parcels has many origins. In some countries fields of several types of land were divided into several strips located in several parts of a village. In other countries, the various kinds of land were divided to permit each family or other group to have a fair share of each kind of land. As the result of the increase in population and of inheritance laws or customs providing for the subdivision of land among many heirs, the

original strips of land were divided and then subdivided.

The 38 countries for which information on the fragmentation of holdings is available had almost 65 million agricultural holdings. These holdings were divided into 288 million parcels or an average of 4.4 parcels per agricultural holding. Data on the distribution of holdings by number of parcels were available for 54 million holdings. Only 27 percent of the holdings were made up of a single parcel; 38 percent of the holdings had 2 or 3 parcels; 14 percent had 4 or 5 parcels; and 11 percent had 6 to 9 parcels. Almost 6 million holdings or 10 percent consisted of 10 or more parcels. In 13 countries with a total of more than 41 million holdings the average size of the parcels was less than 1 hectare and in 9 countries with almost 18 million agricultural holdings the average parcel was between 1 and 2 hectares.

4.10 Holders by age

The FAO programme proposed that the age of the holder be obtained and the data be tabulated for 5 age groups. Figures are available for 8 coun-

tries for the proposed age groups and appear in Table 4.18.

The age distribution of holders is significantly affected by the migration of holders out of agriculture, the opportunities for persons to become holders and the incentives and opportunities for older holders to retire. In European and North American countries and in some countries elsewhere, considerable numbers of holders have left agriculture for nonagricultural employment. The persons leaving agriculture have been largely the younger persons; consequently, a relatively greater number of older persons were left to operate holdings. The scarcity of land and the combination of holdings to provide more efficient operating units have greatly limited the opportunities for persons to become holders in some countries. The low income and consequent failure to acquire adequate resources to permit retirement and the possibility of continuing as operators on a reduced scale as they become older have caused many older persons to continue as holders until their death or to relatively old age. The distribution of holders by age in the eight countries listed in Table 4.18 has been affected by some or all of these factors.

TABLE 4.1 - NUMBER AND AREA OF

	Year to which data relate	All holdings		Holdings operated			
				Owned by the holder or in ownerlike possession		Rented from others	
		Number (1 000)	Area (1 000 ha)	Number	Area (ha)	Number	Area (ha)
EUROPE		16 353	138 532	10 202 955	83 341 486	1 864 901	17 771 326
Belgium ¹	1959	269	1 661	71 819	160 588	66 502	512 848
France	1963	1 899	...	855 220	...	392 230	...
Germany, Fed. Rep. of	1960	1 709	18 024	727 559	7 097 182	85 844	1 118 940
Ireland	1960	360	...	326 748	...	19 538	...
Italy	1961	4 294	26 572	3 160 270	19 392 995	371 396	2 217 562
Malta and Gozo	1960	12	18	907	625	8 479	11 959
Netherlands ²	1959	301	2 310	113 569	625 820	91 814	779 535
Norway	1959	198	...	172 152	...	13 480	...
Poland (individual holdings)	1960	3 602	22 932	2 799 121	17 865 894	268 784	1 655 818
Spain	1962	3 008	44 650	1 563 009	27 481 919	355 547	3 623 899
Sweden ³	1961	233	3 342	160 471	1 916 050	30 727	717 025
United Kingdom	1960	468	19 023	252 110	8 800 413	160 560	7 133 740
NORTH AND CENTRAL AMERICA		6 926	702 418	4 563 975	276 588 744	1 044 274	77 990 781
Canada	1961	481	69 828	350 428	33 167 945	27 696	4 250 521
Costa Rica	1963	65	2 668	49 334	2 311 230	2 579	17 086
Dominican Republic	1960	447	...	262 979	...	129 149	...
Guatemala	1964	417	3 476	241 542	2 692 330	47 027	107 565
Jamaica	1961	159	...	120 742	...	12 607	...
Mexico ⁴	1960	1 365	169 084	1 289 979	96 958 475	33 759	7 451 561
Nicaragua	1963	102	...	46 988	...	12 872	...
Panama	1960	96	1 806	23 499	670 988	5 706	43 598
Puerto Rico	1959	46	661	41 226	403 624	1 688	38 666
Trinidad and Tobago	1963	36	215	18 089	144 475	11 149	19 960
United States	1959	3 711	454 661	2 118 783	140 230 641	759 973	66 060 652
Virgin Islands (U.S.)	1960	1	18	386	9 036	69	1 172
SOUTH AMERICA		6 261	386 138	4 009 511	309 419 982	1 181 239	32 989 049
Brazil	1960	3 338	249 862	2 327 999	212 094 966	575 871	17 907 956
Chile	1965	259	30 644	119 704	22 669 238	99 746	4 354 312
Colombia	1960	1 210	27 338	755 318	19 779 585	282 347	2 009 274
Paraguay	1961	161	17 473	59 994	14 200 935	12 000	726 799
Peru	1961	870	17 722	574 560	11 875 859	132 647	2 465 253
Surinam	1959	16	106	2 959	47 878	8 478	19 495
Uruguay	1961	87	16 988	43 350	7 563 852	28 961	4 892 329
Venezuela	1961	320	26 005	125 627	21 187 669	41 189	613 631
ASIA		93 324	85 868	61 658 779	46 435 901	8 713 230	18 786 366
Brunei	1964	6	32	2 975	7 177	1 231	3 075
Ceylon ⁵	1961/62	1 170	...	748 351	...	71 684	...
China (Taiwan)	1960	808	...	500 268	...	109 215	...
India	1959/60	48 882	...	35 532 000	...	2 703 000	...
Indonesia	1963	12 238	14 635	7 844 480	9 088 605	832 525	540 249
Iran	1960	1 877	11 356	624 283	2 975 789	1 049 478	7 065 772
Japan ⁶	1960	6 039	7 142	4 552 382	5 848 603	177 989	64 277
Korea, Rep. of	1961	2 332	...	1 717 045	...	...	...
Malaya, Fed. of	1960	452	1 952	284 418	1 587 566	44 992	51 631
North Borneo	1961	43	247	36 727	232 011	1 940	2 846
Pakistan	1960	12 155	28 593	5 728 846	12 292 889	2 128 030	7 865 842
Philippines	1960	2 166	7 772	967 725	4 133 276	864 538	2 000 201
Sarawak	1960	45	241	38 404	226 974	1 564	2 258
Thailand	1963	3 214	11 149	2 632 960	9 485 452	130 968	424 634
Viet-Nam, Rep. of	1960	1 897	2 749	447 915	557 559	596 076	765 581

OLDINGS BY TENURE OF HOLDING

Under one tenure form						Holdings operated under more than one tenure form		Number of holdings without land
By squatters		Under tribal or communal tenure forms		Under other single tenure forms				
Number	Area (ha)	Number	Area (ha)	Number	Area (ha)	Number	Area (ha)	
...	...	...	...	318 690	9 229 179	3 798 697	28 189 265	166 985
...	...	...	...	...	...	129 540	987 395	1 208
...	...	...	...	10 730	...	640 990	...	...
...	...	...	...	101 283	4 014 304	794 398	5 793 396	...
...	...	...	...	...	...	13 827	...	...
...	...	...	...	123 302	717 520	624 207	4 243 821	14 829
...	...	...	...	...	...	2 361	5 865	...
...	...	...	...	...	...	95 319	904 457	...
...	...	...	...	...	...	12 683	...	...
...	...	...	...	9 948	3 290 530	524 045	119 662	...
...	...	...	...	73 427	1 206 825	864 695	12 337 446	150 948
...	...	...	...	...	...	41 722	708 503	...
...	...	...	...	...	...	54 910	3 088 720	...
71 992	3 910 061	1 915	8 735 450	208 660	100 565 926	1 033 530	234 627 170	...
...	...	...	...	...	...	...	...	...
1 597	35 439	...	...	2 396	3 080 854	100 383	29 328 639	...
...	...	...	...	828	29 307	10 283	275 016	...
...	...	...	...	54 970	...	...	...	...
980	...	...	...	82 471	207 263	46 304	469 168	...
...	...	...	...	204	...	24 408	...	...
5 259	3 342 047	1 915	8 735 450	34 229	52 596 675	...	...	...
16 049	...	...	...	12 314	...	13 978	...	...
48 107	532 575	...	...	...	...	18 193	559 291	...
...	...	...	...	561	128 525	2 317	90 428	...
...	...	...	...	...	...	6 558	50 555	...
...	...	...	...	20 668	44 516 447	811 079	203 853 305	...
...	...	...	...	19	6 855	27	768	...
600 357	16 959 630	45 235	1 933 939	62 985	1 646 281	324 260	23 188 481	36 455
356 502	9 087 028	...	...	...	...	77 397	10 772 192	...
6 122	490 037	...	...	...	...	27 960	3 130 543	5 125
46 961	3 314 075	...	...	25 690	557 416	99 356	1 677 477	...
66 653	1 235 656	...	...	...	...	22 130	1 310 084	...
...	...	45 235	1 933 939	28 678	540 887	62 081	904 749	26 705
...	...	...	...	1 723	3 677	3 071	34 782	8
124 119	2 832 834	...	...	6 894	544 301	7 723	3 987 926	...
...	...	...	...	...	...	24 542	1 370 728	4 617
27 612	...	...	...	765 833	3 827 453	20 944 127	16 817 930	1 213 592
27 612	...	...	...	62	16 115	1 381	6 099	657
...	...	...	...	12 791	...	307 816	...	...
...	...	...	...	667	...	166 519	...	31 686
...	...	...	...	...	...	10 647 000	...	...
...	...	...	...	1 120	1 750 452	3 559 465	3 255 389	...
...	...	...	...	...	...	203 538	1 314 693	...
...	...	...	...	...	...	1 308 582	1 228 414	...
...	...	...	...	157 456	...	457 373	...	...
...	...	...	...	26 431	56 716	96 348	255 888	...
...	...	...	...	...	...	1 943	11 932	2 364
...	...	...	...	...	...	3 142 587	8 434 101	1 155 465
...	...	...	...	23 009	499 051	310 944	1 139 957	...
...	...	...	...	450 477	1 239 104	2 303	11 444	2 441
...	...	...	...	93 820	266 015	738 328	1 160 013	20 979

TABLE 4.1 - NUMBER AND AREA OF

	Year to which data relate	All holdings		Holdings operated			
				Owned by the holder or in ownerlike possession		Rented from others	
		Number (1 000)	Area (1 000 ha)	Number	Area (ha)	Number	Area (ha)
AFRICA		5 931	186 631	4 585 191	119 986 012	607 968	12 935 489
Central African Republic	1960	232	451	231 500	450 800	...	...
Kenya	1960	521	6 119	520 590	5 722 220	419	396 505
Lesotho	1960	161	353	161 250	352 754	...	...
Madagascar	1961/62	882	917	837 900	917 000	44 100	...
Mali	1960	280	1 221	280 260	1 220 528	...	...
Portuguese Guinea	1960	87	263	86 951	262 570	...	...
Senegal	1960/61	295	1 072	144 100	314 362	1 400	2 216
Seychelles	1960	1	26	1 143	25 624	...	...
South Africa	1960	110	105 945	85 466	71 348 818	11 655	8 684 431
South West Africa	1960	5	61 083	4 478	34 075 682	431	2 337 887
Tanganyika (commercial holdings only) ⁴	1960	1	975	232	193 500	637	650 500
Togo	1961/62	217	570	217 127	569 821	...	...
Tunisia	1961/62	326	5 022	250 200	3 413 000	25 500	354 000
Uganda	1963/64	1 171	...	1 140 824	...	...	...
United Arab Republic	1961	1 642	2 614	623 170	1 119 333	523 826	509 950
OCEANIA		333	17 832	303 272	7 735 772	16 070	3 164 011
American Samoa	1960	2	5	1 711	3 909	316	449
Australia	1960	252	...	252 243	...	...	...
Guam	1960	2	13	1 253	10 420	72	316
New Zealand	1960	77	17 814	48 065	7 721 443	15 682	3 163 246
TOTAL		129 128	1 517 419	85 323 683	843 507 897	13 427 682	163 637 022

¹ Data on area are for agricultural area. — ² Data on area are for net agricultural area (gross agricultural area totalled 2 658 297 ha). — ³ Nu text). — ⁴ Data relate only to holdings with an area under 20.23 ha. — ⁵ Data exclude 17 581 small holdings for which tenure was not reported.

HOLDINGS BY TENURE OF HOLDING (*concluded*)

Under one tenure form						Holdings operated under more than one tenure form		Number of holdings without land
By squatters		Under tribal or communal tenure forms		Under other single tenure forms				
Number	Area (ha)	Number	Area (ha)	Number	Area (ha)	Number	Area (ha)	
...	...	3 225	35 043 511	280	1 036 648	735 460	17 627 420	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	149 900	755 765	...
...	...	...	...	...	...	...	...	...
...	...	3 084	13 381 793	242	494 624	9 915	12 035 269	...
...	...	141	21 661 718	1	411 024	205	2 596 558	...
...	...	...	...	37	131 000	...	...	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	50 100	1 255 000	...
...	...	...	...	...	...	30 176	...	...
...	...	...	...	...	...	495 164	984 828	...
355	953	...	...	3 683	3 224 696	9 954	3 705 791	...
...	...	...	...	...	...	108	304	...
355	953	...	...	...	...	348	1 305	...
...	...	...	...	3 683	3 224 696	9 498	3 704 182	...
700 316	20 870 644	50 375	45 712 900	1 360 131	119 530 183	26 846 028	324 156 057	1 417 032

Number of holdings relates only to holdings of 2 ha and over. Data on area are for agricultural area. — ⁴ Data relate to predominant tenure (see

TABLE 4.2 - PERCENT DISTRIBUTION OF NUMBER AND AREA OF HOLDINGS BY TENURE OF HOLDING

	All holdings		Holdings operated under one tenure form										Holdings operated under more than one tenure form		Holdings without land
			Owned by the holder or in ownerlike possession		Rented from others		By squatters		Under tribal or communal tenure forms		Under other single tenure forms				
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	
EUROPE	100.0	100.0	62.4	60.2	11.4	12.8	...	...	...	...	2.0	6.7	23.2	20.3	1.0
Belgium ¹	100.0	100.0	26.7	9.7	24.7	30.9	...	...	...	...	...	...	48.1	59.4	0.5
France	100.0	...	45.0	...	20.6	...	...	...	...	...	0.6	...	33.8	...	...
Germany, Fed. Rep. of	100.0	100.0	42.6	39.4	5.0	6.2	...	...	...	...	5.9	22.3	46.5	32.1	...
Ireland	100.0	...	90.8	...	5.4	...	...	...	...	...	...	...	3.8	...	...
Italy	100.0	100.0	73.6	73.0	8.7	8.3	...	...	...	...	2.9	2.7	14.5	16.0	0.3
Malta and Gozo	100.0	100.0	7.7	3.4	72.2	64.8	...	...	...	...	...	...	20.1	31.8	...
Netherlands ²	100.0	100.0	37.8	27.1	30.5	33.7	...	...	...	...	...	...	31.7	39.2	...
Norway	100.0	...	86.8	...	6.8	...	...	...	...	...	...	...	6.4	...	...
Poland (individual holdings)	100.0	100.0	77.7	77.9	7.5	7.2	...	...	...	...	0.3	14.4	14.5	0.5	...
Spain	100.0	100.0	52.0	61.6	11.8	8.1	...	...	...	...	2.4	2.7	28.8	27.6	5.0
Sweden ³	100.0	100.0	68.9	57.3	13.2	21.5	...	...	...	...	...	...	17.9	21.2	...
United Kingdom	100.0	100.0	53.9	46.3	34.3	37.5	...	...	...	...	...	...	11.8	16.2	...
NORTH AND CENTRAL AMERICA	100.0	100.0	65.9	39.4	15.1	11.1	1.1	0.6	...	1.2	3.0	14.3	14.9	33.4	...
Canada	100.0	100.0	72.9	47.5	5.8	6.1	...	...	...	...	0.5	4.4	20.8	42.0	...
Costa Rica	100.0	100.0	76.3	86.7	4.0	0.6	2.5	1.3	...	...	1.3	1.1	15.9	10.3	...
Dominican Republic	100.0	...	58.8	...	28.9	...	...	...	...	...	12.3	...	...	...	...
Guatemala	100.0	100.0	57.9	77.4	11.3	3.1	...	...	...	...	19.7	6.0	11.1	13.5	...
Jamaica	100.0	...	76.0	...	7.9	...	0.6	...	...	...	0.1	...	15.4	...	...
Mexico ⁴	100.0	100.0	94.5	57.3	2.5	4.4	0.4	2.0	0.1	5.2	2.5	31.1	...	...	...
Nicaragua	100.0	...	46.0	...	12.6	...	15.7	...	...	...	12.0	...	13.7	...	...
Panama	100.0	100.0	24.6	37.1	6.0	2.4	50.4	29.5	...	...	...	...	19.0	31.0	...
Puerto Rico	100.0	100.0	90.0	61.0	3.7	5.9	...	...	...	...	1.2	19.4	5.1	13.7	...
Trinidad and Tobago	100.0	100.0	50.5	67.2	31.2	9.3	...	...	...	...	...	...	18.3	23.5	...
United States	100.0	100.0	57.1	30.9	20.5	14.5	...	...	...	...	0.5	9.8	21.9	44.8	...
Virgin Islands (U.S.)	100.0	100.0	77.0	50.7	13.8	6.6	...	...	...	...	3.8	38.4	5.4	4.3	...
SOUTH AMERICA	100.0	100.0	64.0	80.1	18.9	8.6	9.6	4.4	0.7	0.5	1.0	0.4	5.2	6.0	0.6
Brazil	100.0	100.0	69.7	84.9	17.3	7.2	10.7	3.6	...	...	...	...	2.3	4.3	...
Chile	100.0	100.0	46.3	74.0	38.5	14.2	2.4	1.6	...	...	...	...	10.8	10.2	2.0
Colombia	100.0	100.0	62.5	72.3	23.3	7.4	3.9	12.1	...	...	2.1	2.1	8.2	6.1	...
Paraguay	100.0	100.0	37.3	81.2	7.5	4.2	41.4	7.1	...	...	...	...	13.8	7.5	...
Peru	100.0	100.0	66.0	67.0	15.3	13.9	...	...	5.2	10.9	3.3	3.1	7.1	5.1	3.1
Surinam	100.0	100.0	18.2	45.2	52.2	18.4	...	...	...	...	10.6	3.5	18.9	32.9	0.1
Uruguay	100.0	100.0	49.9	44.5	33.3	28.8	...	...	...	...	7.9	3.2	8.9	23.5	...
Venezuela	100.0	100.0	39.2	81.4	12.9	2.4	38.8	10.9	...	...	...	...	7.7	5.3	1.4
ASIA	100.0	100.0	66.1	54.1	9.3	21.9	...	...	...	...	0.8	4.4	22.5	19.6	1.3
Brunei	100.0	100.0	47.2	22.1	19.5	9.5	...	...	...	...	...	49.6	21.9	18.8	11.4
Ceylon ⁵	100.0	...	64.1	...	6.1	...	2.4	...	...	...	1.1	...	26.3	...	...
China (Taiwan)	100.0	...	61.9	...	13.5	...	...	...	...	...	0.1	...	20.6	...	3.9
India	100.0	...	72.7	...	5.5	...	...	...	...	...	...	...	21.8	...	...
Indonesia	100.0	100.0	64.1	62.1	6.8	3.7	...	...	...	...	...	12.0	29.1	22.2	...
Iran	100.0	100.0	33.3	26.2	55.9	62.2	...	...	...	...	...	...	10.8	11.6	...
Japan ⁶	100.0	100.0	75.4	81.9	2.9	0.9	...	...	...	...	...	...	21.7	17.2	...
Korea, Rep. of	100.0	...	73.6	...	...	...	...	...	...	...	6.8	...	19.6	...	...
Malaya, Fed. of	100.0	100.0	63.0	81.4	9.9	2.6	...	...	...	...	5.8	2.9	21.3	13.1	...
North Borneo ...	100.0	100.0	85.5	94.0	4.5	1.2	...	...	...	...	...	...	4.5	4.8	5.5
Pakistan	100.0	100.0	47.1	43.0	17.5	27.5	...	...	...	...	...	...	25.9	29.5	9.5
Philippines	100.0	100.0	44.6	53.2	39.9	25.7	...	...	...	...	1.1	6.4	14.4	14.7	...
Sarawak	100.0	100.0	85.8	94.3	3.5	0.9	...	...	...	...	...	...	5.2	4.8	5.5
Thailand	100.0	100.0	81.9	85.1	4.1	3.8	...	...	...	...	14.0	11.1	...	...	...
Viet-Nam, Rep. of	100.0	100.0	23.6	20.3	31.4	27.8	...	...	...	...	4.9	9.7	38.9	42.2	1.2

TABLE 4.2 - PERCENT DISTRIBUTION OF NUMBER AND AREA OF HOLDINGS BY TENURE OF HOLDING (concluded)

	All holdings		Holdings operated under one tenure form										Holdings operated under more than one tenure form		Holdings without land
			Owned by the holder or in ownerlike possession		Rented from others		By squatters		Under tribal or communal tenure forms		Under other single tenure forms				
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	
AFRICA	100.0	100.0	77.3	64.4	10.2	6.9	...	...	0.1	18.7	...	0.6	12.4	9.4	...
Central African Republic	100.0	100.0	100.0	100.0	...	...	...	...	...	...	...	...	...	...	...
Kenya	100.0	100.0	100.0	93.5	...	6.5	...	...	...	...	...	...	...	...	...
Lesotho	100.0	100.0	100.0	100.0	...	...	...	...	...	...	...	...	...	...	...
Madagascar	100.0	100.0	95.0	100.0	5.0	...	...	...	...	...	...	...	...	...	...
Mali	100.0	100.0	100.0	100.0	...	...	...	...	...	...	...	...	...	...	...
Portuguese Guinea	100.0	100.0	100.0	100.0	...	...	...	...	...	...	...	...	...	...	...
Senegal	100.0	100.0	48.8	29.3	0.5	0.2	...	...	...	...	...	...	50.7	70.5	...
Seychelles	100.0	100.0	100.0	100.0	...	...	...	...	...	...	...	...	...	...	...
South Africa	100.0	100.0	77.4	67.4	10.6	8.2	...	...	2.8	12.6	0.2	0.5	9.0	11.3	...
South West Africa	100.0	100.0	85.2	55.7	8.2	3.8	...	...	2.7	35.5	...	0.7	3.9	4.3	...
Tanganyika (commercial holdings only) ⁴ ...	100.0	100.0	25.6	19.8	70.3	66.8	...	...	...	...	4.1	13.4	...	...	...
Togo	100.0	100.0	100.0	100.0	...	...	...	...	...	...	...	...	...	...	...
Tunisia	100.0	100.0	76.8	68.0	7.8	7.0	...	...	...	...	...	...	15.4	25.0	...
Uganda	100.0	...	97.4	...	...	...	...	...	...	...	...	...	2.6	...	...
United Arab Republic	100.0	100.0	37.9	42.8	31.9	19.5	...	...	...	...	...	...	30.2	37.7	...
OCEANIA	100.0	100.0	91.0	43.4	4.8	17.7	0.1	...	...	...	1.1	18.1	3.0	20.8	...
American Samoa	100.0	100.0	80.1	83.9	14.8	9.6	...	...	...	...	...	...	5.1	6.5	...
Australia	100.0	...	100.0	...	...	...	...	...	...	...	...	...	...	...	...
Guam	100.0	100.0	61.7	80.3	3.6	2.4	17.5	7.3	...	...	...	...	17.2	10.0	...
New Zealand....	100.0	100.0	62.5	43.3	20.4	17.8	...	...	...	...	4.8	18.1	12.3	20.8	...
TOTAL	100.0	100.0	66.1	55.6	10.4	10.8	0.5	1.4	...	3.0	1.1	7.9	20.8	21.3	1.1

¹ Data on area are for agricultural area. — ² Data on area are for net agricultural area (gross agricultural area totalled 2 658 297 ha).
³ Number of holdings relates only to holdings of 2 ha and over. Data on area are for agricultural area. — ⁴ Data relate to predominant tenure (see text). — ⁵ Data relate only to holdings with an area under 20.23 ha. — ⁶ Data exclude 17 581 small holdings for which tenure was not reported.

TABLE 4.3 - AREA OF HOLDINGS BY TENURE OF LAND OPERATED

	Total area all holdings	Area owned by the holder or in ownerlike possession	Total area rented from others	Area operated by squatters	Area operated by tribal or communal tenure form	Area operated under other tenure forms
<i>Hectares</i>						
EUROPE	173 282 613	128 884 815	37 264 586	...	...	7 133 212
Belgium ¹	1 660 831	536 955	1 123 876	...	...	450 730
France ¹	32 189 630	16 131 470	15 607 430	...	...	74 181
Germany, Fed. Rep. of ²	21 369 649	18 164 210	3 131 258	...	...	1 049 642
Ireland	5 785 332	5 451 264	334 068	...	...	...
Italy	26 571 898	21 559 536	3 962 720	...	...	...
Malta and Gozo	18 449	2 095	16 354	...	...	...
Netherlands ³	2 309 812	1 098 816	1 210 996	...	...	...
Poland	22 931 905	17 865 894	1 655 818	...	...	3 410 193
Spain	44 650 089	33 855 371	8 722 552	...	...	2 072 166
Sweden ¹	3 341 578	2 381 492	960 086	...	...	76 300
Yugoslavia	12 453 440	11 837 712	539 428	...	...	...
NORTH AND CENTRAL AMERICA	538 183 496	311 423 043	179 955 813	1 464 099	...	45 340 541
Canada	69 827 959	51 846 433	17 981 526	...	...	48 713
Costa Rica	2 668 074	2 516 359	57 780	45 222	...	318 120
Dominican Republic	2 257 948	1 512 541	427 287	...	...	...
El Salvador	1 559 439	1 271 469	287 970	...	...	...
Jamaica	692 581	641 584	39 865	11 132	...	316 997
Nicaragua	3 815 932	2 639 070	125 343	734 522	...	128 526
Panama	1 806 452	1 042 753	90 476	673 223	...	4 883
Puerto Rico	661 245	452 257	80 462	...	...	44 516 447
Trinidad and Tobago	214 990	181 751	28 356	...	...	6 855
United States	454 661 045	249 309 226	160 835 372	...	...	...
Virgin Islands (U.S.)	17 831	9 600	1 376	...	...	...
SOUTH AMERICA	543 559 173	355 770 500	64 503 407	18 672 496	...	104 612 770
Argentina	175 142 497	103 219 103	29 592 386	...	...	42 331 008
Brazil	249 862 142	161 102 822	18 109 824	9 087 028	...	61 562 468
Chile	30 644 131	24 300 224	5 726 038	617 869	...	609 193
Colombia	27 337 827	20 525 425	2 440 751	3 762 458	...	...
Paraguay	17 473 474	14 794 418	1 002 440	1 676 616	...	...
Surinam	105 832	69 064	30 162	...	...	6 606
Uruguay	16 988 408	9 794 207	6 876 393	214 313	...	103 495
Venezuela	26 004 862	21 965 237	725 413	3 314 212	...	...
ASIA	225 030 624	179 092 580	43 887 217	470 700	...	1 580 127
Brunei	32 487	15 602	11 714	...	...	5 171
Ceylon	1 888 461	1 577 955	186 535	...	...	123 971
China (Taiwan)	1 029 503	746 313	185 180	34 725	...	63 285
India	131 873 000	115 349 000	16 524 000	...	...	159 990
Indonesia	14 634 695	12 016 252	2 022 478	435 975	...	...
Iran	11 356 254	3 222 145	8 134 109	...	...	925 985
Iraq	8 038 703	5 831 816	1 280 902	...	...	...
Japan	7 141 941	6 676 273	465 668	...	...	1 405
Lebanon	304 014	248 015	54 594	...	...	...
North Borneo	246 789	237 900	8 889	...	...	...
Pakistan	28 592 832	17 295 309	11 297 523	...	...	224 015
Turkey	17 142 777	14 673 392	2 245 370	...	...	76 305
Viet-Nam, Rep. of	2 749 168	1 202 608	1 470 255	...	...	...
AFRICA	188 449 906	131 322 718	19 721 577	...	36 412 584	993 027
Central African Republic	450 800	450 800	...	...	...	...
Kenya	6 118 175	5 721 670	396 505	...	...	...
Lesotho	352 754	352 754	...	...	...	...
Libya	3 868 728	2 282 144	130 132	...	1 369 073	87 379
Madagascar	917 000	917 000	...	...	...	...
Mali	1 220 528	1 220 528	...	...	...	...
Portuguese Guinea	262 560	262 560	...	...	...	...
Seychelles	25 625	25 625	...	...	...	...
South Africa	105 944 935	78 342 618	13 725 900	...	13 381 793	494 624
South West Africa	61 082 869	35 508 929	3 501 198	...	21 661 718	411 024
Togo	569 821	569 821	...	...	...	...
Tunisia	5 022 000	4 092 000	930 000	...	...	...
United Arab Republic	2 614 111	1 576 269	1 037 842	...	...	...
OCEANIA	17 818 229	9 042 747	8 775 482	...	...	...
American Samoa	4 662	4 104	558	...	...	...
New Zealand	17 813 567	9 038 643	8 774 924	...	...	...
TOTAL	1 686 324 041	1 115 536 403	354 108 082	20 607 295	36 412 584	159 659 677

¹ Data are for agricultural area only. — ² Totals are for agricultural holdings and forestry holdings combined. — ³ Data are for net agricultural area. Gross agricultural area totalled 2 658 297 ha.

TABLE 4.4 - PERCENT DISTRIBUTION OF AREA OF HOLDINGS BY TENURE OF LAND OPERATED

	Total area all holdings	Area owned by the holder or in owner-like possession	Total area rented from others	Area operated by squatters	Area operated under tribal or communal tenure	Area operated under other tenure forms
EUROPE	100.0	74.4	21.5	...	...	4.1
Belgium ¹	100.0	32.3	67.7	...	...	...
France ¹	100.0	50.1	48.5	...	...	1.4
Germany, Fed. Rep. of ²	100.0	85.0	14.7	...	...	0.3
Ireland	100.0	94.2	5.8	...	...	...
Italy	100.0	81.1	14.9	...	...	4.0
Malta and Gozo	100.0	11.4	88.6	...	...	...
Netherlands ³	100.0	47.6	52.4	...	...	...
Poland	100.0	77.9	7.2	...	...	14.9
Spain	100.0	75.8	19.5	...	...	4.7
Sweden ¹	100.0	71.3	28.7	...	...	...
Yugoslavia	100.0	95.1	4.3	...	...	0.6
NORTH AND CENTRAL AMERICA	100.0	57.9	33.4	0.3	...	8.4
Canada	100.0	74.2	25.8	...	...	...
Costa Rica	100.0	94.3	2.2	1.7	...	1.8
Dominican Republic	100.0	67.0	18.9	...	...	14.1
El Salvador	100.0	81.6	18.4	...	...	...
Jamaica	100.0	92.6	5.8	1.6	...	...
Nicaragua	100.0	69.2	3.3	19.2	...	8.3
Panama	100.0	57.7	5.0	37.3	...	...
Puerto Rico	100.0	68.4	12.2	...	...	19.4
Trinidad and Tobago	100.0	84.5	13.2	...	...	2.3
United States	100.0	54.8	35.4	...	...	9.8
Virgin Islands (U.S.)	100.0	53.8	7.7	...	...	38.5
SOUTH AMERICA	100.0	65.5	11.9	3.4	...	19.2
Argentina	100.0	58.9	16.9	...	...	24.2
Brazil	100.0	64.5	7.2	3.6	...	24.7
Chile	100.0	79.3	18.7	2.0	...	...
Colombia	100.0	75.1	8.9	13.8	...	2.2
Paraguay	100.0	84.7	5.7	9.6	...	...
Surinam	100.0	65.3	28.5	...	...	6.2
Uruguay	100.0	57.6	40.5	1.3	...	0.6
Venezuela	100.0	84.5	2.8	12.7	...	...
ASIA	100.0	79.6	19.5	0.2	...	0.7
Brunei	100.0	48.0	36.1	...	...	15.9
Ceylon	100.0	83.6	9.9	...	...	6.5
China (Taiwan)	100.0	72.5	18.0	3.4	...	6.1
India	100.0	87.5	12.5	...	...	...
Indonesia	100.0	82.1	13.8	3.0	...	1.1
Iran	100.0	28.4	71.6	...	...	...
Iraq	100.0	72.6	15.9	...	...	11.5
Japan	100.0	93.5	6.5	...	...	...
Lebanon	100.0	81.6	18.0	...	...	0.4
North Borneo	100.0	96.4	3.6	...	...	...
Pakistan	100.0	60.5	39.5	...	...	...
Turkey	100.0	85.6	13.1	...	...	1.3
Viet-Nam, Rep. of	100.0	43.7	53.5	...	...	2.8
AFRICA	100.0	69.7	10.5	...	19.3	0.5
Central African Republic	100.0	100.0	...	...	...	...
Kenya	100.0	93.5	6.5	...	...	...
Lesotho	100.0	100.0	...	...	...	...
Libya	100.0	59.0	3.4	...	35.4	2.2
Madagascar	100.0	100.0	...	...	...	...
Mali	100.0	100.0	...	...	...	...
Portuguese Guinea	100.0	100.0	...	...	...	...
Seychelles	100.0	100.0	...	...	...	...
South Africa	100.0	73.9	13.0	...	12.6	0.5
South West Africa	100.0	58.1	5.7	...	35.5	0.7
Togo	100.0	100.0	...	...	...	...
Tunisia	100.0	81.5	18.5	...	...	...
United Arab Republic	100.0	60.3	39.7	...	...	...
OCEANIA	100.0	50.7	49.3	...	...	...
American Samoa	100.0	88.0	12.0	...	...	...
New Zealand	100.0	50.7	49.3	...	...	...
TOTAL	100.0	66.1	21.0	1.2	2.2	9.5

¹ Data are for agricultural area only. — ² Totals are for agricultural holdings and forestry holdings combined. — ³ Data are for net agricultural area. Gross agricultural area totalled 2 658 297 ha.

TABLE 4.5 - NUMBER OF HOLDINGS OPERATED BY TENANTS BY KIND OF TENANT

	Total number of all holdings	Number of holdings operated by tenants					
		Total	For a fixed amount of money and/or produce	For a share in the produce	In exchange for services	Rent-free	Other forms of renting
EUROPE	5 105 111	761 257	595 268	161 133	614	...	4 242
France	1 899 170	392 230	352 680	39 550	...	...	4 242
Norway	198 315	13 480	8 624	...	614	...	...
Spain	3 007 626	355 547	233 964	121 583	...	...	...
NORTH AND CENTRAL AMERICA	5 746 304	938 067	295 354	465 759	...	86 468	90 486
Costa Rica	64 621	2 579	898	438	...	1 243	...
Dominican Republic	447 098	129 149	16 474	30 782	...	81 893	...
Jamaica	158 941	12 607	9 275	...	...	3 332	...
Mexico ¹	1 365 141	33 759	21 213	12 546	...	...	90 486
United States	3 710 503	759 973	247 494	421 993	...	...	...
SOUTH AMERICA	2 906 073	596 890	210 042	213 968	77 143	15 503	80 234
Chile	258 657	99 746	12 312	18 009	53 922	15 503	...
Colombia	1 209 672	282 347	52 752	145 056	23 221	...	61 318
Paraguay	160 777	12 000	9 700	2 300	...	...	...
Peru	869 945	132 647	84 139	29 592	...	...	18 916
Uruguay	86 928	28 961	25 173	3 788	...	...	...
Venezuela	320 094	41 189	25 966	15 223	...	...	...
ASIA	8 554 844	2 134 409	359 342	1 654 967	350	65 379	54 371
Ceylon	1 169 801	71 684	11 478	14 478	...	32 309	13 419
Iran	1 877 299	1 049 478	235 271	814 207	...	...	...
Lebanon	127 123	17 741	4 072	10 065	350	3 254	...
Philippines	2 166 216	864 538	48 344	745 426	...	29 816	40 952
Thailand	3 214 405	130 968	60 177	70 791	...	...	...
AFRICA	882 000	44 100	26 900	...	...	17 200	...
Madagascar	882 000	44 100	26 900	...	...	17 200	...
OCEANIA	76 928	15 682	13 575	2 107	...	...	...
New Zealand	76 928	15 682	13 575	2 107	...	...	...
TOTAL	23 271 260	4 490 405	1 500 481	2 497 934	78 107	184 550	229 333

¹ Data relate to predominant tenure (see text).

TABLE 4.6 - AREA RENTED FOR HOLDINGS OPERATED BY TENANTS AND BY HOLDERS OPERATING LAND UNDER MORE THAN ONE TENURE FORM

	Area rented for :			Total area of holdings operated under more than one tenure form
	All holdings	Holdings operated by tenants	Holdings operated under more than one tenure form	
	1	2	3	4
	. . . Thousands of hectares . . .			
EUROPE	15 997	7 864	8 133	19 187
Belgium	1 124	513	611	987
Italy	3 963	2 218	1 745	4 244
Malta and Gozo	16	12	4	6
Netherlands	1 211	780	431	904
Spain	8 723	3 624	5 099	12 337
Sweden	960	717	243	709
NORTH AND CENTRAL AMERICA	179 073	70 432	108 641	234 157
Canada	17 982	4 251	13 731	29 329
Costa Rica	58	17	41	275
Panama	90	44	46	559
Puerto Rico	80	39	41	90
Trinidad and Tobago . .	28	20	8	51
United States	160 835	66 061	94 774	203 853
SOUTH AMERICA	34 910	30 522	4 388	22 284
Brazil	18 110	17 908	202	10 772
Chile	5 726	4 354	1 372	3 131
Colombia	2 441	2 009	432	1 677
Paraguay	1 002	727	275	1 310
Surinam	30	19	11	35
Uruguay	6 876	4 892	1 984	3 988
Venezuela	725	613	112	1 371
ASIA	23 405	16 308	7 097	15 410
Brunei	6	3	3	6
Indonesia	2 022	540	1 482	3 255
Iran	8 134	7 066	1 068	1 315
Japan	466	64	402	1 228
North Borneo	9	3	6	12
Pakistan	11 298	7 866	3 432	8 434
Viet-Nam, Rep. of	1 470	766	704	1 160
AFRICA	19 195	11 886	7 309	16 872
South Africa	13 726	8 684	5 042	12 035
South West Africa	3 501	2 338	1 163	2 597
Tunisia	930	354	576	1 255
United Arab Republic . .	1 038	510	528	985
TOTAL	272 580	137 012	135 568	307 910

TABLE 4.7 - NUMBER AND AREA OF HOLDINGS OWNED BY THE HOLDER OR HELD IN OWNERLIKE POSSESSION, BY SIZE OF HOLDING (broad classification)

Year to which data relate	Number and area (ha)	Total holdings owned	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE											
1959	Number	9 617 549	6 514 300	1 702 383	909 902	364 084	69 272	28 332	17 287	6 723	5 266
1959	Area	56 674 554	6 853 505	5 498 376	7 125 721	7 442 795	3 631 875	3 580 962	5 046 736	4 692 990	12 801 594
Belgium	Number	71 819	63 119	5 348	2 659	600	81	12	—	—	—
1959	Area	160 588	63 160	37 442	35 730	16 819	5 328	2 109	—	—	—
France	Number	855 220	379 290	176 860	174 100	102 610	17 150	4 130	1 080	—	—
Germany, Fed. Rep. of	Number	727 559	456 975	97 017	102 989	62 892	6 672	1 014	—	—	—
1960	Area	7 097 182	956 024	907 117	1 927 314	2 416 566	597 668	292 493	—	—	—
Italy	Number	3 160 270	2 473 333	373 183	201 671	77 288	17 781	7 738	4 396	1 560	1 320
1961	Area	19 392 995	3 843 891	2 657 178	2 804 601	2 285 571	1 230 241	1 078 228	1 362 913	1 094 077	3 036 295
Netherlands	Number	107 928	69 644	18 341	14 386	5 070	400	87	—	—	—
1959	Area	625 820	98 906	134 003	199 958	142 163	24 828	25 962	—	—	—
1959	Number	172 152	121 485	35 513	11 481	3 381	263	29	—	—	—
Norway	Number	2 799 121	1 774 861	748 510	247 981	26 535	1 234	—	—	—	—
Poland (individual holdings)	Number	1 563 009	1 117 856	192 995	122 014	71 290	23 657	14 277	11 811	5 163	3 946
1962	Area	27 481 919	1 640 797	1 347 271	1 681 113	2 148 763	1 633 101	1 982 839	3 683 823	3 598 913	9 765 299
Spain	Number	160 471	55 737	54 616	32 621	14 418	2 034	1 045	—	—	—
1961	Area	1 916 050	250 727	415 365	477 005	432 913	140 709	199 331	—	—	—
Sweden ¹											
NORTH AND CENTRAL AMERICA											
1961	Number	23 499	8 723	4 349	4 185	3 838	1 439	551	276	74	64
1961	Area	670 988	18 051	27 935	53 292	113 521	94 740	70 643	79 300	49 743	163 763
Panama	Number	23 499	8 723	4 349	4 185	3 838	1 439	551	276	74	64
1961	Area	670 988	18 051	27 935	53 292	113 521	94 740	70 643	79 300	49 743	163 763
SOUTH AMERICA											
1960	Number	3 208 920	979 686	439 964	528 371	640 168	272 656	158 152	115 448	40 849	33 626
1960	Area	41 015 132	846 743	902 405	1 303 950	2 314 820	2 312 019	2 762 144	4 260 177	3 662 768	22 650 106
Brazil	Number	2 325 016	479 217	309 856	432 030	563 686	238 106	137 642	101 101	35 404	27 974
Colombia	Number	755 318	446 139	108 442	77 819	61 999	28 542	16 445	10 456	3 349	2 127
1960	Area	19 779 585	723 158	752 590	1 077 072	1 895 893	1 933 862	2 234 387	3 099 805	2 234 139	5 828 679
Surinam	Number	2 959	1 958	517	271	119	35	13	23	18	5
1959	Area	47 878	4 290	3 434	3 296	3 298	2 354	1 825	7 978	11 587	9 816
Venezuela	Number	125 627	52 372	21 149	18 251	14 364	5 973	4 052	3 868	2 078	3 868
1961	Area	21 187 669	119 295	146 381	223 582	415 629	375 803	525 952	1 152 394	1 417 042	16 811 611

TABLE 4.7 - NUMBER AND AREA OF HOLDINGS OWNED BY THE HOLDER OR HELD IN OWNERLIKE POSSESSION, BY SIZE OF HOLDING (broad classification) (concluded)

	Year to which data relate	Number and area (ha)	Total holdings owned	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
ASIA		Number Area	9 884 403 16 197 670	9 198 199 8 470 289	455 293 2 906 974	175 793 2 187 227	47 387 1 447 170	4 179 270 416	2 835 480 747	717 434 847	—	—
Indonesia	1963	Number Area	7 844 480 9 088 605	7 577 909 6 427 089	185 178 1 207 506	61 280 797 316	20 113 656 694	—	—	—	—	—
Iran	1960	Number Area	624 283 2 975 789	485 759 663 369	76 818 540 738	41 399 561 299	15 624 478 977	2 433 166 208	2 044 386 282	206 178 916	—	—
Philippines	1960	Number Area	967 725 4 133 276	703 463 1 379 831	180 245 1 158 730	69 552 828 612	11 650 311 499	1 584 104 208	720 94 465	511 255 931	—	—
Viet-Nam, Rep. of	1960	Number	447 915	431 068	13 052	3 562	—	162	71	—	—	—
AFRICA		Number	217 127	188 696	22 439	4 790	1 202	—	—	—	—	—
Togo	1961/62	Number	217 127	188 696	22 439	4 790	1 202	—	—	—	—	—
TOTAL		Number Area	22 951 498 114 558 344	16 889 604 16 188 588	2 624 428 9 335 690	1 623 041 10 670 190	1 056 679 11 318 306	347 546 6 309 050	189 870 6 894 496	133 728 9 821 060	47 646 8 405 501	38 956 35 615 463

¹ Number of holdings relates only to holdings of 2 ha and over. Data on area are for agricultural area.

TABLE 4.8 - NUMBER AND AREA OF HOLDINGS OWNED BY THE HOLDER OR HELD IN OWNERLIKE POSSESSION, BY SIZE OF HOLDING (detailed classification)

	Year to which data relate	Number and area (ha)	Total holdings owned	Under 0.5 ha	0.5 ha and under 1	1 ha and under 2	2 ha and under 3	3 ha and under 4	4 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE																	
Italy	1961	Number Area	7 522 400 46 874 914	1 195 968 243 816	954 983 537 568	1 261 641 1 245 459	847 115 1 253 134	625 985 1 159 579	482 358 1 045 132	1 314 688 4 004 449	571 666 4 485 714	175 113 4 434 334	42 672 2 863 342	22 015 3 061 067	16 207 5 046 736	6 723 4 692 990	5 266 12 801 594
Poland (individual holdings)	1961	Number Area	3 160 270 19 392 995	644 602 178 492	511 019 391 375	590 853 888 104	347 992 879 802	225 740 799 407	155 127 706 711	373 183 2 657 178	201 671 2 804 601	77 288 2 285 571	17 781 1 230 241	7 738 1 078 228	4 396 1 362 913	1 560 1 094 077	1 320 3 036 295
Spain	1960	Number	2 799 121	245 829	229 242	413 109	342 062	294 379	250 240	748 510	247 981	26 535	1 234	—	—	—	—
	1962	Number	1 563 009	305 537	214 722	257 679	157 061	105 866	76 991	192 995	122 014	71 290	23 657	14 277	11 811	5 163	3 946
	1962	Number Area	27 481 919	65 324	146 193	357 355	373 332	360 172	338 421	1 347 271	1 681 113	2 148 763	1 633 101	1 982 839	3 683 823	3 598 913	9 765 299
NORTH AND CENTRAL AMERICA																	
Panama	1960	Number Area	23 499 670 988	—	1 215 704	2 807 3 278	1 959 4 217	1 437 4 489	1 305 5 363	4 349 27 935	4 185 53 292	3 838 113 521	1 439 94 740	551 70 643	276 79 300	74 49 743	64 163 763
	1960	Number Area	23 499 670 988	—	1 215 704	2 807 3 278	1 959 4 217	1 437 4 489	1 305 5 363	4 349 27 935	4 185 53 292	3 838 113 521	1 439 94 740	551 70 643	276 79 300	74 49 743	64 163 763
SOUTH AMERICA																	
Colombia	1960	Number Area	880 945 21 235 547	113 095 847	82 866 3 543	119 220 17 152	77 150 32 118	63 513 32 079	42 667 37 846	129 591 149 815	96 070 226 878	76 363 418 927	34 515 378 157	20 497 527 757	14 324 1 160 372	5 427 1 428 629	5 647 16 821 427
Surinam	1959	Number Area	47 878	—	162	801	1 074	1 012	1 241	3 434	3 296	3 298	2 354	1 825	7 978	11 587	9 816
Venezuela	1961	Number Area	125 627 21 187 669	2 643 847	5 441 3 381	13 066 16 351	13 650 31 044	9 198 31 067	8 374 36 605	21 149 146 381	18 251 223 582	14 364 415 629	5 973 375 803	4 052 525 932	3 868 1 152 394	2 078 1 417 042	3 520 16 811 611
ASIA																	
Indonesia	1963	Number Area	1 592 008 16 197 670	221 360 948 645	136 836 1 411 384	330 287 2 309 753	246 974 1 681 921	145 473 1 164 302	108 292 954 284	257 063 2 906 974	110 951 2 187 227	27 274 1 447 170	4 017 270 416	2 764 480 747	717 434 847	—	—
Iran	1960	Number Area	624 283 2 975 789	179 436 35 856	78 741 56 885	89 509 128 451	66 015 161 507	40 182 139 326	31 876 141 344	76 818 540 738	41 399 561 259	15 624 478 977	2 433 166 208	2 044 386 282	206 178 916	—	—
Philippines	1960	Number Area	967 725 4 133 276	41 924 9 920	58 095 36 294	240 778 296 186	180 959 391 890	105 291 331 748	76 416 313 793	180 245 1 158 730	69 552 828 612	11 650 311 499	1 584 104 208	720 94 465	511 255 931	—	—
AFRICA																	
Togo	1961/62	Number	217 127	28 737	36 182	57 775	36 129	17 909	11 964	22 439	4 790	1 202	—	—	—	—	—
	1961/62	Number	217 127	28 737	36 182	57 775	36 129	17 909	11 964	22 439	4 790	1 202	—	—	—	—	—
TOTAL		Number Area	10 235 979 84 979 119	1 559 160 1 193 308	1 212 082 1 953 199	1 771 730 3 575 642	1 209 327 2 971 390	854 317 2 360 449	646 586 2 042 625	1 728 130 7 089 173	787 662 6 953 111	283 790 16 413 952	82 643 3 606 655	45 827 4 140 214	31 524 6 721 255	12 224 16 171 362	10 977 29 786 784

TABLE 4.9 - AREA OWNED BY THE HOLDER OR HELD IN OWNERLIKE POSSESSION, BY SIZE OF HOLDING (broad classification)

	Year to which data relate	Total area owned (ha)	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE		104 180 194	16 383 730	17 724 233	16 366 172	13 169 733	5 775 842	9 623 054	5 719 954	5 222 381	14 195 095
Germany, Fed. Rep. of ¹	1960	18 164 210	1 431 832	1 876 185	3 397 338	4 182 232	1 647 369	5 629 254	—	—	—
Italy	1961	21 559 536	4 380 015	3 137 986	3 175 294	2 556 720	1 374 059	1 202 525	1 470 971	1 152 664	3 109 302
Netherlands	1959	1 098 816	140 528	247 449	374 061	261 243	46 278	29 257	—	—	—
Poland (individual holdings only)	1960	15 283 057	4 182 199	6 134 983	4 075 324	807 092	83 459	2 433 645	4 085 192	3 883 735	10 387 235
Spain	1962	33 835 371	2 120 704	2 038 559	2 771 637	3 746 492	2 388 172	—	—	—	—
Sweden ²	1961	2 381 492	266 646	482 257	603 841	578 672	193 926	256 150	163 791	185 982	698 558
Yugoslavia	1960	11 837 712	3 861 806	3 806 814	1 968 677	1 037 282	42 579	72 223	—	—	—
NORTH AND CENTRAL AMERICA		1 042 753	22 866	39 010	78 033	171 007	154 548	121 560	131 801	69 771	254 157
Panama	1960	1 042 753	22 866	39 010	78 033	171 007	154 548	121 560	131 801	69 771	254 157
SOUTH AMERICA		52 353 933	934 971	1 040 201	1 515 158	2 704 493	2 749 893	3 336 378	5 452 841	5 128 833	29 491 165
Colombia	1960	20 525 425	780 734	817 509	1 154 490	1 996 170	2 009 012	2 304 648	3 182 815	2 286 750	5 993 297
Surinam	1959	69 064	5 620	5 849	5 746	5 542	3 073	3 348	10 465	12 734	16 687
Uruguay	1961	9 794 207	21 475	54 329	104 967	251 201	330 676	477 682	1 051 434	1 338 948	6 163 495
Venezuela	1961	21 965 237	127 142	162 514	249 955	451 580	407 132	550 700	1 208 127	1 490 401	17 317 686
ASIA		10 910 312	7 923 417	1 374 238	869 287	705 787	16 013	12 631	8 939	—	—
Indonesia	1963	10 662 297	7 802 642	1 335 187	842 629	681 839	—	—	—	—	—
Lebanon	1961/62	248 015	120 775	39 051	26 658	23 948	16 013	12 631	8 939	—	—
AFRICA		2 282 142	63 202	98 005	228 137	496 228	357 321	321 433	717 816	—	—
Libya	1960	2 282 142	63 202	98 005	228 137	496 228	357 321	321 433	717 816	—	—
TOTAL		170 769 334	25 328 186	20 275 687	19 056 787	17 247 248	9 053 617	13 415 056	12 031 351	10 420 985	43 940 417

¹ Data are for agricultural and forestry holdings combined. — ² Data relate only to holdings with an agricultural area of 2 ha or more.

TABLE 4.10 - AREA OWNED BY THE HOLDER OR HELD IN OWNERLIKE POSSESSION, BY SIZE OF HOLDING (detailed classification)

Year to which data relate	Total area owned (ha)	Under 0.5 (ha)	0.5 ha and under 1	1 ha and under 2	2 ha and under 3	3 ha and under 4	4 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE	82 535 676	343 375	890 948	2 686 311	3 361 273	3 596 801	3 666 016	15 118 342	11 990 932	8 147 586	3 888 269	3 708 393	5 719 954	5 222 381	14 195 095
Italy	21 559 536	182 115	411 636	981 683	1 015 278	944 863	844 440	3 137 986	3 175 294	2 556 720	1 374 059	1 202 525	1 470 971	1 152 664	3 109 302
Poland (individual holdings only)	15 283 057	61 518	174 004	648 920	920 879	1 129 788	1 247 090	6 134 983	4 075 324	807 092	83 459	2 433 645	4 085 192	3 883 735	10 387 235
Spain	33 855 371	69 536	165 948	434 673	484 199	488 856	477 492	2 038 559	2 711 637	3 746 492	2 388 172	2 433 645	4 085 192	3 883 735	10 387 235
Yugoslavia	11 837 712	30 206	139 360	621 035	940 917	1 033 294	1 096 994	3 806 814	1 968 677	1 037 282	42 579	72 223	163 791	185 982	698 558
NORTH AND CENTRAL AMERICA	1 042 753	—	748	3 801	5 373	6 001	6 943	39 010	78 033	171 007	154 548	121 560	131 801	69 771	254 157
Panama	1 042 753	—	748	3 801	5 373	6 001	6 943	39 010	78 033	171 007	154 548	121 560	131 801	69 771	254 157
SOUTH AMERICA	42 559 726	26 425	61 708	183 116	200 998	235 735	205 514	985 872	1 410 191	2 453 292	2 419 217	2 858 696	4 401 407	3 789 885	23 327 670
Colombia	20 525 425	25 576	58 046	165 059	167 178	200 601	164 274	817 509	1 154 490	1 996 170	2 009 012	2 304 648	3 182 815	2 286 750	5 993 297
Surinam	69 064	180	180	902	1 340	1 394	1 804	5 849	5 746	5 542	3 073	3 348	10 465	13 734	16 687
Venezuela	21 965 237	849	3 482	17 155	32 480	33 740	39 436	162 514	249 955	451 580	407 132	550 700	1 208 127	1 490 401	17 317 686
ASIA	10 910 312	1 070 158	1 660 088	2 373 348	1 386 776	836 228	596 819	1 374 238	869 287	705 787	16 013	12 631	8 939	—	—
Indonesia	10 662 297	1 059 165	1 645 395	2 344 049	1 363 270	816 821	573 942	1 335 187	842 629	681 839	16 013	12 631	8 939	—	—
Lebanon	248 015	10 993	14 693	29 299	23 506	19 407	22 877	39 051	26 658	23 948	—	—	—	—	—
AFRICA	2 282 142	1 247	2 565	9 112	13 942	18 022	18 314	98 005	228 137	496 228	357 321	321 433	717 816	—	—
Libya	2 282 142	1 247	2 565	9 112	13 942	18 022	18 314	98 005	228 137	496 228	357 321	321 433	717 816	—	—
TOTAL	139 330 609	1 441 205	2 616 057	5 255 688	4 968 362	4 692 787	4 493 606	17 615 467	14 576 580	11 973 900	6 835 368	7 022 713	10 979 917	9 082 037	37 776 922

TABLE 4.11 - NUMBER AND AREA OF HOLDINGS RENTED FROM OTHERS, BY SIZE OF HOLDING (broad classification)

	Year to which data relate	Number and area (ha)	Total holdings rented from others	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE		Number Area	1 584 507 7 473 249	949 882 876 188	194 557 730 740	203 617 1 117 357	176 547 1 564 619	43 754 912 922	11 944 770 665	3 404 738 185	582 388 120	220 374 453
Belgium	1959	Number	66 502	37 754	13 366	9 871	4 370	988	153	—	—	—
	1959	Area	512 848	67 114	95 772	138 436	125 729	67 243	18 554	—	—	—
France	1963	Number	392 230	67 790	63 280	110 100	115 960	28 410	5 770	920	—	—
Germany, Fed. Rep. of	1960	Number	85 844	39 414	14 256	17 012	12 592	2 040	530	—	—	—
	1960	Area	1 118 940	82 147	113 549	265 688	416 347	145 305	95 904	—	—	—
Italy	1961	Number	371 396	289 825	34 994	23 739	16 024	4 674	1 675	421	37	7
	1961	Area	2 217 562	430 067	250 002	339 265	491 459	326 827	228 438	117 613	24 003	9 888
Norway	1959	Number	13 480	8 301	2 675	1 646	814	37	7	—	—	—
Poland (individual holdings)	1960	Number	268 781	242 587	19 497	6 118	540	39	—	—	—	—
Spain	1962	Number	355 547	259 588	39 577	26 982	17 990	5 472	3 117	2 063	545	213
	1962	Area	3 623 899	296 860	271 417	373 968	531 084	373 547	427 769	620 572	364 117	364 565
Sweden ¹	1961	Number	30 727	4 623	6 912	8 149	8 257	2 094	692	—	—	—
NORTH AND CENTRAL AMERICA		Number	5 706	4 359	687	370	202	52	20	10	3	3
		Area	43 598	8 059	4 301	4 641	5 991	3 315	2 269	2 935	1 707	10 380
Panama	1960	Number	5 706	4 359	687	370	202	52	20	10	3	3
	1960	Area	43 598	8 059	4 301	4 641	5 991	3 315	2 269	2 935	1 707	10 380
SOUTH AMERICA		Number	907 444	601 727	140 559	80 138	48 613	15 948	9 590	6 654	2 274	1 941
		Area	2 642 400	402 701	283 091	293 411	352 745	245 498	238 879	278 660	162 988	384 427
Brazil	1960	Number	2575 430	349 881	99 782	58 922	37 116	12 382	7 860	5 688	2 018	1 781
Colombia	1960	Number	282 347	218 120	32 682	17 305	9 160	2 831	1 313	688	162	86
	1960	Area	2 009 274	330 740	226 928	244 382	283 751	202 008	188 891	205 874	107 730	218 970
Surinam	1959	Number	8 478	7 976	415	67	17	1	—	1	1	—
	1959	Area	19 495	14 148	2 759	830	498	50	—	450	760	—
Venezuela	1961	Number	41 189	25 750	7 680	3 844	2 320	734	417	277	93	74
	1961	Area	613 631	57 813	53 404	48 199	68 496	43 440	49 988	72 336	54 498	165 457
ASIA		Number	2 510 092	1 975 514	298 125	173 990	55 280	5 432	1 695	56	—	—
		Area	9 065 973	2 637 728	1 915 137	2 301 538	1 543 602	354 668	284 811	28 489	—	—
Iran	1960	Number	1 049 478	611 831	218 759	158 264	53 826	5 192	1 601	5	—	—
	1960	Area	7 065 772	1 218 870	1 561 618	2 166 033	1 504 788	338 896	272 861	2 706	—	—
Philippines	1960	Number	864 538	793 614	57 604	11 481	1 454	240	94	51	—	—
	1960	Area	2 000 201	1 418 858	353 519	135 505	38 814	15 772	11 950	25 783	—	—
Viet-Nam, Rep. of	1960	Number	596 076	570 069	21 762	4 245	—	—	—	—	—	—
TOTAL		Number	5 007 749	3 531 482	633 928	458 115	280 642	65 186	23 249	10 124	2 859	2 164
		Area	19 225 220	3 924 676	2 933 269	3 716 947	3 466 957	1 516 403	1 296 624	1 048 269	552 815	769 260

¹ Data relate only to holdings with an agricultural area of 2 ha or more. — ² Includes 441 holdings not reporting size.

TABLE 4.12 - NUMBER AND AREA OF HOLDINGS RENTED FROM OTHERS, BY SIZE OF HOLDING (detailed classification)

Year to which data relate	Number and area (ha)	Total holdings rented from others	Under 0.5 ha	0.5 ha and under 1	1 ha and under 2	2 ha and under 3	3 ha and under 4	4 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and under 500	500 ha and under 1 000	1 000 ha and over
EUROPE	Number Area	995 724 5 841 461	270 876 40 159	164 789 82 661	169 953 171 355	93 462 159 620	55 832 143 945	37 088 129 187	94 068 521 419	56 839 713 233	34 554 1 022 543	10 185 700 374	4 792 656 207	2 484 738 185	582 388 120	220 374 453
Italy	Number Area	371 396 2 217 562	71 463 21 071	68 822 52 940	73 374 110 819	38 581 96 754	23 320 82 235	14 565 66 248	34 994 250 002	23 739 339 265	16 024 491 459	4 674 326 827	1 675 228 438	421 117 613	37 24 003	7 9 888
Poland (individual holdings)	Number	268 781	88 659	51 565	51 832	28 261	14 163	8 107	19 497	6 118	540	39	—	—	—	—
Spain	Number Area	355 547 3 623 899	110 754 19 088	44 702 29 721	44 747 60 536	26 620 62 866	18 349 61 710	14 416 62 939	39 577 271 417	26 982 373 968	17 990 531 084	5 472 373 547	3 117 427 769	2 063 620 572	545 364 117	213 364 565
NORTH AND CENTRAL AMERICA	Number Area	5 706 43 598	—	551 324	1 765 2 078	1 119 2 388	563 1 517	361 1 517	687 4 301	370 4 641	202 5 991	52 3 315	20 2 269	10 2 935	3 1 707	3 10 380
Panama	Number Area	5 706 43 598	—	551 324	1 765 2 078	1 119 2 388	563 1 517	361 1 517	687 4 301	370 4 641	202 5 991	52 3 315	20 2 269	10 2 935	3 1 707	3 10 380
SOUTH AMERICA	Number Area	323 536 633 126	47 378 225	44 377 2 552	66 012 12 608	40 613 18 218	27 974 20 234	17 516 18 124	40 362 56 163	21 149 49 029	11 480 68 994	3 565 43 490	1 730 49 988	965 72 786	255 55 258	160 165 457
Colombia	Number	282 347	46 519	42 106	59 000	33 815	22 929	13 751	32 682	17 305	9 160	2 831	1 313	688	162	86
Surinam	Area	19 495	—	1 213	4 185	3 393	3 480	1 877	2 759	830	498	50	—	450	760	—
Venezuela	Number Area	41 189 613 631	859 225	2 271 1 339	7 012 8 423	6 798 14 825	5 045 16 754	3 765 12 647	7 680 53 404	3 844 48 199	2 320 68 496	734 43 440	417 49 988	277 72 336	93 54 498	74 165 457
ASIA	Number Area	1 914 016 9 065 973	153 062 37 620	156 532 105 371	453 622 586 180	329 505 749 695	187 668 617 786	125 056 541 076	276 363 1 915 137	169 745 2 301 538	55 280 1 543 602	5 432 354 668	1 695 284 811	56 28 489	—	—
Iran	Number Area	1 049 478 7 065 772	112 805 26 726	77 111 56 137	138 457 201 618	122 231 300 365	85 574 297 492	75 653 336 532	218 759 1 561 618	158 264 2 166 033	53 826 1 504 788	5 192 338 896	1 601 272 861	5 2 706	—	—
Philippines	Number Area	864 538 2 000 201	40 257 10 894	79 421 49 234	315 165 384 562	207 274 449 330	102 094 320 294	49 403 204 544	57 604 353 519	11 481 135 505	1 454 38 814	240 15 772	94 11 950	51 25 783	—	—
TOTAL	Number Area	3 238 982 15 584 158	471 316 78 004	366 249 190 908	691 352 772 221	464 699 929 921	272 037 783 717	180 021 689 904	411 480 2 497 020	248 103 3 068 441	101 516 2 641 130	19 234 1 101 847	8 237 993 275	3 515 842 395	840 445 085	383 550 290

TABLE 4.13 - NUMBER OF HOLDINGS BY TENURE OF HOLDING: CENSUSES OF 1960, 1950 AND 1930

	Total number of holdings			Holdings operated by owners			Holdings operated by tenants			Holdings operated under mixed tenure			Holdings operated under other tenure forms			Year to which data relate	
	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950
EUROPE	2 678 653	3 140 545	599 642	1 211 959	1 387 767	309 384	343 633	485 363	135 930	1 020 570	1 190 273	154 328	101 283	77 142	...	...	...
Belgium	1269 069	263 629	292 263	71 819	49 857	62 197	66 502	76 882	75 738	129 540	136 890	154 328	...	...	...	1959	1950
Germany, Fed.	1 709 084	2 051 242	307 379	727 559	861 714	247 187	85 844	116 603	60 192	794 398	995 783	...	101 283	77 142	...	1960	1949
Sweden ¹	232 920	282 187	...	160 471	232 409	...	30 727	49 778	...	41 722	...	...	...	...	...	1961	1951
United Kingdom ...	467 580	543 487	...	252 110	243 787	...	160 560	242 100	...	54 910	57 600	...	...	...	...	1960	1950
NORTH AND CENTRAL AMERICA	4 556 766	6 260 530	7 077 020	2 704 398	3 709 100	3 540 005	810 318	1 511 747	2 749 776	966 690	948 192	725 082	75 360	91 491	62 157	...	...
Canada	480 903	623 091	728 623	350 428	481 447	583 706	27 696	44 983	74 382	100 383	89 226	67 942	2 396	7 435	2 593	1961	1951
Costa Rica	64 621	43 086	...	39 334	34 935	...	2 579	1 286	...	10 283	4 907	...	2 425	1 458	...	1963	1950
Jamaica	158 941	66 173	...	120 742	38 270	...	12 607	6 875	...	24 408	20 435	...	1 182	593	...	1961	1943
Panama	95 505	85 473	52 965	23 499	12 058	43 101	5 706	7 861	6 490	18 193	7 921	...	48 107	57 313	3 374	1960	1950
Puerto Rico	45 792	53 515	...	41 226	50 184	...	1 688	2 910	...	2 317	...	...	561	421	...	1959	1950
United States ...	3 710 503	5 388 437	6 295 103	2 118 783	3 091 666	2 913 052	759 973	1 447 066	2 668 811	811 079	825 670	657 109	20 668	24 035	56 131	1959	1950
Virgin Islands (U.S.)	501	755	329	386	540	146	69	146	93	27	33	31	19	36	59	1960	1950
SOUTH AMERICA	3 424 697	2 149 536	73 414	2 371 349	1 679 657	36 057	604 832	216 569	33 818	85 120	41 553	3 539	363 396	211 757	...	...	...
Brazil	3 337 769	2 064 278	373 414	2 327 999	1 636 817	336 057	575 871	186 958	833 818	77 397	31 858	83 539	356 502	208 645	...	1960	1950
Uruguay	86 928	85 258	...	43 350	42 840	...	28 961	29 611	...	7 723	9 695	...	6 894	3 112	...	1961	1951
ASIA	11 437 155	9 926 557	7 210 309	8 153 067	6 428 643	2 542 224	1 173 495	1 289 991	2 051 930	1 619 526	2 164 565	2 614 568	473 486	43 358	1 587	...	...
Japan	46 056 534	6 176 404	5 575 583	4 552 382	3 821 531	1 737 438	177 989	312 364	1 478 214	1 308 582	2 001 433	2 359 931	23 009	41 076	1 587	1960	1950
Philippines	2 166 216	1 638 624	1 634 726	967 725	861 239	804 786	864 538	611 971	573 716	310 944	163 132	254 637	450 477	2 282	...	1960	1948
Thailand	3 214 405	2 111 529	...	2 632 960	1 745 873	...	130 968	365 656	...	...	...	...	...	...	...	1963	1950
AFRICA	1 752 522	1 119 871	1 310 855	708 636	737 276	962 506	535 481	232 298	240 874	505 079	143 593	101 190	3 326	6 704	6 285	...	...
South Africa	110 362	116 848	96 940	85 466	79 250	65 306	11 655	25 547	25 349	9 915	5 347	...	3 326	6 704	6 285	1960	1950
United Arab Republic	1 642 160	1 003 023	1 213 915	623 170	658 026	897 200	523 826	206 751	215 525	495 164	138 246	101 190	...	...	...	1961	1950
OCEANIA	79 063	91 780	85 167	49 776	57 192	53 487	15 998	20 775	21 928	9 606	11 281	9 752	3 683	2 532	...	...	...
American Samoa	2 135	1 490	85 167	1 711	862	53 487	316	628	21 928	108	11 281	9 752	3 683	2 532	...	1960	1950
New Zealand ...	76 928	90 290	...	48 065	56 330	...	15 682	20 147	...	9 498	...	...	...	...	...	1960	1950
TOTAL	23 928 856	22 688 819	16 356 407	15 199 185	13 999 635	7 443 663	3 483 757	3 756 743	5 234 256	4 206 591	4 499 457	3 608 459	1 020 534	432 984	70 029	...	...

¹ Includes 1 208 holdings without land not classified by tenure. — ² Data relate only to holdings with an agricultural area of 2 ha or more. — ³ Data relate only to holdings with an area of 1 ha or more. — ⁴ Includes 17 581 small holdings not classified by tenure.

TABLE 4.14 - AREA OF HOLDINGS BY TENURE OF LAND OPERATED: CENSUSES OF 1960, 1950 AND 1930

	Total area of holdings			Area owned by holder			Area rented by holder			Area other than owned and rented			Year to which data relate		
	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930
<i>Thousands of hectares</i>															
EUROPE	24 730	25 721	24 817	20 547	22 033	21 415	4 107	3 633	3 283	74	55	121			
Germany, Fed.	21 370	22 173	21 242	18 164	19 417	18 794	3 131	2 701	2 328	74	55	121	1960	1949	1933
Rep. of ¹	18	21		2	2		16	19					1960	1950	
Malta and Gozo	3 342	3 527	3 575	2 381	2 614	2 621	960	913	955				1961	1951	1932
Sweden ²															
NORTH AND CENTRAL AMERICA	530 335	474 451	66 031	305 818	263 672	49 956	179 086	166 418	15 203	45 431	44 357	871			
Canada	69 828		66 009	51 846		49 947	17 982		15 200			861	1961		1931
Costa Rica	2 668	1 812		2 516	1 737		58	32		94	42		1963	1950	
Jamaica	693	726		642	433		40	46		11	246		1961	1943	
Panama	1 806	1 159		1 043	539		90	112		673	507		1960	1950	
Puerto Rico	661	725		452	504		80	86		129	135		1959	1950	
United States ...	454 661	470 003		249 309	260 443		160 835	166 140		44 517	43 420		1959	1950	
Virgin Islands															
(U.S.)	18	26	22	10	16	9	1	2	3	7	7	10	1960	1950	1940
SOUTH AMERICA	266 850	249 185		170 897	215 543		24 986	33 480		70 967	162				
Brazil	249 862	232 211		161 103	206 338		18 110	25 873		70 649			1960	1950	
Uruguay	16 988	16 974		9 794	9 205		6 876	7 607		318	162		1961	1951	
ASIA	7 142	6 193	5 741	6 676	5 469	2 984	466	660	2 757		65				
Japan	7 142	36 193	45 741	6 676	5 469	2 984	466	660	2 757		65		1960	1950	1929
AFRICA	2 614	2 581		1 576	1 771		1 038	811							
United Arab Republic	2 614	2 581		1 576	1 771		1 038	811					1961	1950	
OCEANIA	17 814	17 465	17 372	9 039	8 572	8 617	8 775	8 893	8 755						
New Zealand ...	17 814	17 465	17 372	9 039	8 572	8 617	8 775	8 893	8 755				1960	1950	1940
TOTAL	849 485	775 596	113 961	514 553	517 060	82 972	218 458	213 895	29 998	116 472	44 639	992			

¹ Data are for agricultural and forestry holdings combined. — ² Data relate only to agricultural area of holdings with an agricultural area of 2 ha and more. — ³ Agricultural areas, including wood and forest land grazed. — ⁴ Arable land only.

TABLE 4.15 - NUMBER OF HOLDINGS OPERATED BY TENANTS BY KIND OF TENANT: CENSUSES OF 1960, 1950 AND 1930

	Total number of holdings operated by tenants			Tenants paying fixed amount in money or produce (number)			Tenants paying a share of produce (number)			Tenants renting under other conditions (number)		
	1960	1950	1930	1960	1950	1930	1960	1950	1930	1960	1950	1930
EUROPE	85 844	116 603	116 175	...	109 894	...	...	...	...	...	6 709	...
Germany, Fed. Rep. of	85 844	116 603	116 175	...	109 894	...	...	...	...	...	6 709	...
NORTH AND CENTRAL AMERICA ..	814 073	1 515 844	2 743 286	257 667	427 747	523 548	422 431	883 995	39 287	95 061	158 973	757
Canada	27 696	44 983	74 382	...	...	34 338	...	...	39 287	...	...	757
Costa Rica	2 579	1 786	...	898	907	...	438	652	...	1 243	227	...
Jamaica	12 607	6 875	...	9 275	4 802	...	...	1 010	...	3 332	1 063	...
Trinidad and Tobago	11 149	14 599	...	...	13 505	...	...	236	...	...	858	...
United States	759 973	1 447 455	2 668 811	247 494	408 533	489 210	421 993	882 097	...	90 486	156 825	...
Virgin Islands (U.S.)	69	146	93	...	...	...	...	...	...	...	...	...
SOUTH AMERICA	70 150	80 822	33 818	51 139	60 101	27 648	19 011	20 721	6 170	...	...	...
Uruguay	28 961	29 611	33 818	25 173	24 514	27 648	3 788	5 097	6 170	...	...	...
Venezuela	41 189	51 211	...	25 966	35 587	...	15 223	15 624	...	...	...	...
ASIA	995 506	977 627	573 716	108 521	7 898	...	816 217	424 732	...	70 768	179 341	...
Philippines	864 538	611 971	573 716	48 344	7 898	...	745 426	423 732	...	70 768	179 341	...
Thailand	130 968	365 656	...	60 177	...	...	70 791	...	...	...	...	...
AFRICA	11 655	25 547	25 349	...	20 430	19 465	...	5 117	5 884	...	...	...
South Africa	11 655	25 547	25 349	...	20 430	19 465	...	5 117	5 884	...	...	...
OCEANIA	15 682	20 147	21 928	13 575	17 844	...	2 107	2 303	...	...	...	...
New Zealand	15 682	20 147	21 928	13 575	17 844	...	2 107	2 303	...	...	...	...
TOTAL	1 992 910	2 736 590	3 514 272	430 902	643 914	570 661	1 259 766	1 336 868	51 341	165 829	345 023	757

TABLE 4.16 - NUMBER AND AREA OF HOLDINGS BY LEGAL STATUS OF HOLDER

	Holdings by legal status of holder											
	All holdings		Civil person		Corporation		Cooperative		Government		Other	
	Number	Area (ha)	Number	Area (ha)	Number	Area (ha)	Number	Area (ha)	Number	Area (ha)	Number	Area (ha)
EUROPE	8 977 716	82 305 989	8 909 813	69 490 110	9 010	1 503 749	8 845	1 143 158	11 723	4 290 783	38 325	5 878 189
Austria	396 530	7 683 888	390 211	6 114 617	...	...	11 724	1278 495	2 537	1 084 608	2 058	206 168
Germany, Fed. Rep. of	21 761 114	221 369 649	1 727 720	16 579 274	...	...	...	...	...	...	233 394	24 790 375
Norway	198 315	...	197 532	...	...	...	...	...	...	...	783	...
Poland	3 601 895	22 931 905	3 591 947	19 663 817	...	...	2 072	252 881	7 876	3 015 207	1 050	148 558
United Kingdom ³	395 670	17 867 107	384 300	16 023 832	9 010	1 503 749	5 049	611 782	1 310	190 968	1 050	148 558
Yugoslavia	2 624 192	12 453 440	2 618 103	11 108 570	...	...	...	...	...	...	1 040	733 088
NORTH AND CENTRAL AMERICA	1 060 364	8 617 342	1 053 631	7 020 211	3 383	1 265 860	151	9 957	232	83 447	909	49 312
Costa Rica	64 621	2 668 078	61 317	1 887 255	2 427	735 198	134	8 232	120	1 896	743	37 393
Dominican Republic	447 098	42 257 948	446 645	1 885 278	304	180 108	17	1 725	55	81 551	51	7 877
Guatemala	417 344	3 476 326	416 875	3 101 551	363	285 347	...	...	57	...	103	3 666
Panama	595 505	...	93 314	...	86	...	...	...	...	...	...	...
Trinidad and Tobago	35 796	214 990	35 480	146 127	203	65 207	...	...	...	...	...	...
SOUTH AMERICA	5 692 282	325 671 976	5 656 235	299 635 259	20 586	12 629 782	7 146	6 121 592	887	3 277 973	7 428	4 007 370
Brazil	3 337 769	249 862 142	3 309 248	239 787 242	19 499	9 703 700	5 541	290 870	369	3 193 741	3 481	80 330
Chile	258 657	30 644 131	256 429	20 750 721	...	...	1 605	5 830 722	495	78 923	254	866 947
Colombia	1 209 672	27 337 827	1 206 476	25 915 078	...	...	...	...	...	...	2 701	1 343 826
Peru	869 945	17 722 044	867 928	13 110 970	1 068	2 905 571	...	...	23	3 309	949	1 705 503
Surinam	16 239	105 832	16 154	71 248	19	20 511	...	...	...	...	43	10 764
ASIA	941 696	1 061 990	939 251	978 927	725	59 832	23	5 476	359	17 007	1 338	748
Brunei	6 306	32 487	6 245	27 121	...	...	...	...	61	5 366	25	748
China (Taiwan)	808 267	1 029 503	807 600	951 806	374	59 832	23	5 476	245	11 641	1 313	...
Lebanon	127 123	...	125 406	...	351	...	...	...	53	...	...	...
AFRICA	1 903 398	173 510 642	1 896 488	130 742 819	1 550	3 608 107	16	554	999	2 076 883	4 345	37 082 279
Libya	145 518	3 868 728	144 780	3 805 593	73	12 026	...	...	247	3 298	418	47 811
South Africa	110 362	105 944 934	105 280	86 623 436	1 158	2 597 837	...	...	510	1 562 048	3 414	15 161 613
South West Africa	5 358	61 082 869	5 160	37 814 890	34	970 492	16	554	12	487 661	152	21 809 826
United Arab Republic	1 642 160	2 614 111	1 641 268	2 498 900	285	27 752	...	...	230	23 876	361	63 029
TOTAL	18 575 456	591 167 939	18 455 418	507 867 326	35 254	19 067 330	16 181	7 280 737	14 200	9 746 093	52 345	47 017 898

¹ Includes holdings operated by private corporations. — ² Totals include forestry holdings. — ³ Data are for Great Britain only. — ⁴ Includes 188 564 acres of sugarcane land, with legal status of holder not reported. — ⁵ Total includes holdings not classified by legal status.

TABLE 4.17 - FRAGMENTATION OF HOLDINGS

	Year to which data relate	Total number of holdings reporting fragmentation	Holdings consisting of:					Total number of parcels	Average number of parcels per holding reporting	Average area per parcel (ha)
			1 parcel	2 or 3 parcels	4 or 5 parcels	6 to 9 parcels	10 or more parcels			
			Number							
EUROPE		15 760 054	3 856 295	4 941 478	1 975 837	2 204 790	2 781 654	106 868 663	6.7	...
Belgium	1959	267 861	72 636	192 166	...	265 634	37 425	1 317 421	4.9	5.8
Germany, Fed. Rep. of ³	1960	1 709 084	...	4817 277	...	5403 454	6488 353	16 349 576	9.6	1.1
Ireland	1960	289 500	194 297	85 734	7 576	71 893	...	430 640	1.5	13.4
Italy	1961	4 279 175	1 753 856	1 317 829	523 907	378 654	304 929	15 652 306	3.6	1.7
Netherlands	1959	290 723	109 771	1117 373	...	247 409	16 170	952 113	3.3	2.8
Poland ⁸	1960	3 530 468	937 539	1 380 305	655 752	9337 210	10219 662	12 284 543	3.5	1.4
Spain	1962	2 856 678	605 701	582 830	334 997	381 010	952 140	38 992 454	13.6	1.1
Yugoslavia	1960	2 536 565	182 495	547 964	453 605	589 526	762 975	20 889 610	8.2	0.6
NORTH AND CENTRAL AMERICA		1 183 509	922 476	212 987	35 520	11 648	878	1 684 644	1.4	...
Costa Rica	1963	64 621	40 707	19 161	3 324	1 151	278	115 259	1.8	22.8
Dominican Republic ...	1960	447 098	442 166	4 773	155	4	...	454 827	1.0	5.0
Guatemala	1964	417 344	288 584	98 679	21 200	8 281	600	699 387	1.7	5.0
Jamaica	1961	158 941	94 533	56 859	6 622	7927	...	257 514	1.6	2.7
Panama	1960	95 505	56 486	33 515	4 219	71 285	...	157 657	1.6	11.5
SOUTH AMERICA		2 349 380	206 037	50 537	8 958	3 558	673	5 078 808	2.2	...
Chile	1965	253 532	196 696	44 569	8 199	3 404	664	377 849	1.5	81.1
Colombia	1960	1 209 672	...	...	...	...	...	1 687 285	1.4	16.2
Peru	1961	869 945	...	...	...	...	...	2 986 609	3.4	5.9
Surinam	1959	16 231	9 341	5 968	759	154	9	27 065	1.7	3.9
ASIA		40 384 095	7 953 917	13 452 318	4 667 529	3 460 857	3 014 620	159 751 010	4.0	...
Brunei	1964	6 242	3 270	2 453	407	98	14	12 124	1.9	3.1
Ceylon ¹¹	1961/62	1 164 724	461 958	460 534	146 063	85 565	10 604	2 891 808	2.5	0.7
Indonesia ¹²	1963	12 238 470	2 532 951	7 610 836	1 588 081	477 896	28 706	23 988 406	2.0	0.6
Iran	1960	1 877 299	...	...	...	...	...	11 432 987	6.1	1.0
Japan	1960	5 957 555	...	...	...	...	...	30 986 260	5.2	0.2
Korea, Rep. of	1961	2 296 406	13697 013	14853 305	15451 051	16184 949	12110 088	11 792 000	5.1	0.4
Lebanon	1961	127 123	15 893	46 873	27 420	526 442	610 495	617 372	5.6	0.5
Malaya, Fed. of	1960	449 650	208 246	184 036	1729 128	226 250	1 990	1 018 177	2.3	0.9
Pakistan	1960	10 999 463	2 537 960	2 861 648	1 678 840	1 846 511	2 074 504	53 915 237	4.9	0.5
Philippines	1960	2 166 216	1 198 987	787 943	129 086	40 452	9 748	4 160 350	1.9	1.9
Turkey	1963	3 100 947	297 639	644 690	617 453	772 694	768 471	18 936 289	6.1	0.9
AFRICA		5 209 820	1 694 199	1 794 358	669 998	236 119	71 430	14 607 441	2.4	...
Kenya	1960/61	517 400	...	...	...	...	...	773 700	1.5	7.9
Lesotho	1960	155 223	31 490	100 204	18 998	4 531	...	388 657	2.4	0.9
Libya	1959/60	139 365	...	...	...	...	...	1 016 031	7.3	3.8
Madagascar	1961/62	882 000	157 000	418 950	164 050	104 070	37 930	3 140 355	3.6	0.3
Portuguese Guinea	1960	86 951	...	...	...	...	...	425 839	4.9	0.6
Senegal	1960/61	290 000	70 900	136 400	52 400	1822 500	107 800	802 250	2.8	1.3
Tunisia	1961/62	325 800	95 100	19158 800	...	546 200	625 700	1 383 000	4.2	3.6
Uganda	1963	1 170 921	797 520	246 827	67 756	58 818	...	2 283 079	2.0	1.7
United Arab Republic...	1961	1 642 160	542 189	733 177	366 794	...	...	4 394 530	2.7	0.6
OCEANIA		1 846	762	641	263	180	...	4 899	...	...
American Samoa	1960	1 846	762	641	263	7180	...	4 899	2.7	1.0
TOTAL		64 888 704	14 633 686	20 452 319	7 358 105	5 917 152	5 869 255	287 995 465	4.3	...

¹ Holdings with 2-4 parcels. — ² Holdings with 5-9 parcels. — ³ Data are for agricultural and forestry holdings combined. — ⁴ Holdings with 1-5 parcels. — ⁵ Holdings with 6-10 parcels. — ⁶ Holdings with 11 or more parcels. — ⁷ Holdings with 6 or more parcels. — ⁸ Data are for privately owned holdings. — ⁹ Holdings with 6-9 parcels. — ¹⁰ Holdings with 9 or more parcels. — ¹¹ Data are for holdings of less than 20-23 ha only. — ¹² Data do not include holdings operated by estates. — ¹³ Holdings with 1-2 parcels. — ¹⁴ Holdings with 3-4 parcels. — ¹⁵ Holdings with 5-6 parcels. — ¹⁶ Holdings with 7-8 parcels. — ¹⁷ Holdings with 4 parcels. — ¹⁸ Holdings with 6-8 parcels. — ¹⁹ Holdings with 2-5 parcels.

TABLE 4.18 - NUMBER OF HOLDERS BY AGE

	Total number of holders reporting	Under 35 years of age	35 to 44 years of age	45 to 54 years of age	55 to 64 years of age	65 years old and over
<i>Number of holders</i>						
Finland	374 207	49 535	81 275	110 540	83 651	49 206
Canada	480 903	80 380	118 943	127 905	97 353	56 322
Panama	93 314	29 062	23 117	19 463	12 660	9 012
United States	3 710 503	471 234	816 311	986 993	812 600	623 365
Virgin Islands (U.S.)	488	36	87	132	120	113
Surinam	16 239	4 272	3 501	3 384	3 044	2 038
Philippines	2 166 216	648 321	629 362	481 136	255 324	152 073
United Arab Republic	1 633 153	296 776	481 253	463 178	257 943	134 003
TOTAL	8 475 023	1 579 616	2 153 849	2 192 731	1 522 695	1 026 132
<i>Percent distribution</i>						
Finland	100.0	13.2	21.7	29.6	22.4	13.1
Canada	100.0	16.7	24.7	26.6	20.3	11.7
Panama	100.0	31.1	24.7	20.9	13.6	9.7
United States	100.0	12.7	22.0	26.6	21.9	16.8
Virgin Islands (U.S.)	100.0	7.4	17.8	27.0	24.6	23.2
Surinam	100.0	26.3	21.6	20.8	18.7	12.6
Philippines	100.0	29.9	29.1	22.2	11.8	7.0
United Arab Republic	100.0	18.2	29.5	28.4	15.7	8.2

5. AREA AND PRODUCTION OF CROPS

5.1 Introduction

Crops represent the most important part of agricultural production in most countries. Cropland totalled 700 million hectares in the 83 countries and represented 28 percent of the total area of holdings.

The FAO programme divided crops into three groups: crops grown on arable land, permanent meadows and pastures cut for hay, and permanent crops. The programme suggested that data be collected on area as well as production, although the collection of data on production was placed on an optional basis as it was recognized that a census of agriculture might not be the best means of securing information on crop production.

For area of crops grown on arable land, the FAO programme recommended that the area harvested be reported. However, for many countries the "area planted" or "area sown" or the "area in crops at the census date" was reported (see Table 5.1). The "area sown" or the "area in crops at the census date" may be significantly different from the area harvested because of crop failure and crop destruction before actual harvest. The FAO programme suggested that net area (area of field minus bunds, uncultivated patches, small irrigation ditches, etc.) rather than gross area be reported. There is very little information available regarding the reporting of net or gross area for the various countries.

For permanent meadows and pastures for hay, the area to be reported was the area from which hay was cut (or was to be cut) even if the meadows and pastures were pastured or grazed before or after the hay was cut. For permanent crops the area planted or under crops at the time of the census was to be reported. In the case of tree crops, the area was to be that of compact plantations, and not the area occupied by scattered trees. However, the pro-

gramme provided for obtaining the number of scattered trees, and both the area and number of trees for tree crops in compact plantations. For tree crops, the reporting of trees of productive age separately from those not of productive age was proposed. Trees of productive age (except male trees) were to be reported even when, because of weather or plant fruiting characteristics, they provided no harvest in the year preceding the census.

For crop production, the FAO programme proposed that production should be reported as closely as possible to the harvest stage and before further processing (but natural drying was not to be considered as further processing). For many countries data on production were not available from the census, and for some crops available data on production are not published because of the lack of information for converting production into metric units of measurement.

Significant problems were encountered in the reporting of areas for crops, relating to areas where crops were grown simultaneously on the same land and to areas where they were grown successively on the same land more than once during the agricultural year. As indicated by the information given in Table 5.1, these problems were not handled uniformly for all countries.

There were four frequently encountered practices involving crops grown simultaneously on the same land:

1. The land was occupied by trees, vines or shrubs, with enough distance between plants to permit the planting of other crops or the use of the area for pasture or grazing.
2. The cropland in permanent meadows or pasture contained also trees, plants or shrubs planted in an organized pattern.

3. Crops were planted between or in rows of other crops where the row crop was planted at approximately normal planting distances.
4. There were mixed plantings of different trees, plants, vines or shrubs. FAO proposed that, in each of the four cases, estimates be made separately for each crop for the area that the crop would have covered if it had been grown alone. The problem of crops grown in association or in mixtures was prevalent in Africa and in some Asian and Central and South American countries, and the method used for reporting crops grown in association or mixed had an important effect upon the area reported. It is important, therefore, that reference be made to Table 5.1 whenever data on area are used or whenever comparisons are made with data from other sources, or whenever comparisons are made of area and yield per hectare between crops or between countries.

In the case of crops grown successively on the same land during the agricultural year, the FAO programme proposed that the aggregate area from successive plantings or harvests during the agricultural year be reported. As the information in Table 5.1 indicates, the FAO proposal was not followed uniformly in all countries.

The agricultural year or the census date for reporting of area to which the crop data relate is indicated in Table 5.1.

5.2 Reporting of area in crops

Data appear in separate tables for the area of 36 important temporary crops, permanent meadows and pastures cut for hay, temporary grasses and grains cut for hay, temporary crops grown for grazing, and other fodder crops, root crops for feed, etc. The information given in tables for temporary crops relates to the number of holdings reporting and area and production data for each crop and for each country.

The data for area for some crops were not available or are not published for every country, particularly for those countries in which the crop was of minor importance. Therefore the totals for each crop for groups of countries given in the tables remain understated. Moreover, the area given in the tables

represents area harvested for some countries, area planted or sown for other countries and area in the crop at the time of the census for yet other countries. A description of the area reported is given in Table 5.1.

Comparability of the area reported for each country is influenced by procedures for reporting areas of crops grown in mixtures or in association. The growing of mixed crops or crops in association is a common phenomenon in Africa and parts of Asia, Central and South America. In some of these areas crops are grown simultaneously on given plots or fields in such an intermingled fashion that it is difficult or impossible to identify the area under each particular crop forming part of the mixtures. Some crops are planted in rows and furrows, some in hills or mounds, while others are spread unsystematically. Moreover, actual composition of the mixtures may vary from time to time since all crops in mixtures may not be planted at the same time or harvested at the same time. Often constituent crops may have growing periods of unequal length and different harvesting frequency.

Table 5.1 gives available information regarding the prevalence of mixed cropping.

The reporting of crop areas for the census was particularly difficult for areas of shifting cultivation. The system of shifting cultivation and cultivation under systems of tribal temporary land allotments to individual holders was prevalent in many African countries especially those south of the Sahara, in Indonesia, in tribal areas in India and Ceylon, in "unsettled" areas in Malaysia, Sarawak, North Borneo, the Philippines, in parts of Libya and in areas inhabited by indigenous groups in Central and South American countries. The population of holder's households for tribal and indigenous groups in the various countries probably totalled more than 100 million persons in the countries included in the census. Under the system of shifting cultivation, the determination of area under crop was difficult. The holders often did not know the area in crops, and in many countries actual measurement of areas was made in order to obtain satisfactory data.

The allocation of areas under crop by crops was even more difficult than the determination of the total crop area. The situation in regard to crop mixtures was often related to the number of years the plot had been under cultivation. After the clearing of the forest or grass, the land may be planted to a single crop but, often before or soon after the

harvesting of the first crop, parts of the area may be planted to such crops as cassava, cocoyams, and small patches to vegetables such as peppers, squashes, and okra. Also bananas, plantains and other tree or plant fruit crops may be planted around the edge, and in the second year of the cultivation of the cleared area, bananas, plantains, cassava, etc., may be harvested. The area cultivated by individual holders often comprised newly cleared plots and plots cleared one, two, three or more years earlier. The composition of mixtures on the plots in cultivation for varying time periods would often differ significantly. (The difference in harvest time and length of growing season created real problems for reporting area. For example from planting to harvest, the time period may be 4 or 5 months for maize, 9 to 20 months for cassava, and one to several years for plantains and bananas.)

Various methods, such as ratio of amount of seeds used, were used in the case of land in mixed crops to allocate areas to individual crops. In some countries allocation was not attempted, and the total area was assigned to each crop comprising the mixture, or the total area was assigned to the most important or predominant crop. In countries where mixed cropping was important, the method used for allocating area among mixed crops may have had an important effect on the area reported for the census.

In many countries more than one crop was planted and harvested from the same land during the agricultural year. In most countries the FAO specification for reporting the aggregate area for crops grown in succession was followed. However, for those countries reporting the area in crop at the time of the census and for some countries reporting the area planted or sown, no records were obtained for the area of crops grown in succession. Therefore the area of crops in such countries does not include the total area harvested or planted for an entire agricultural year.

The area of temporary crops in some countries was affected by the procedures used for reporting area of temporary crops mixed with permanent crops (see Table 5.1).

5.3 Area of temporary crops

The total area reported in the various tables for the countries reporting area for the 36 temporary

crops and the approximate proportion to the corresponding world total area were as follows:

	Area (millions of hectares)	Approximate percent of world total
Wheat	92.6	45-50
Rice	69.9	55-65
Maize for grain	62.6	60-65
Millet and sorghum for grain	48.9	50-55
Barley	28.5	45-50
Oats	25.9	55-60
Cotton	19.1	55-60
Rye	11.3	35-40
Soybeans for beans	10.1	45-50
Groundnuts	9.2	60-65
Potatoes	7.7	30-35
Sugarcane	5.2	55-60
Manioc (cassava)	2.9	45-50
Edible dry beans	2.5	25-30
Linseed	2.3	25-30
Sugarbeets	2.1	30-35
Sweet potatoes	1.7	15-20
Tobacco	1.9	55-60
Sunflower seed	1.4	20-25
Jute	1.3	65-70
Sesame seed	0.6	20-25
Rapeseed	0.6	5-10
Tomatoes	0.4	50-55
Dry, broad beans	0.4	8-13
Mustard seed	0.4	...
Green peas	0.4	...
Edible dry peas	0.3	45-50
Cabbages	0.3	...
Lentils	0.3	15-20
Cocoyams and yams	0.2	...
Green beans	0.2	...
Castor beans	0.1	...
Buckwheat	0.09	5-10
Poppy seed	0.05	...
Hops	0.04	10-15
Chicory	0.01	...

The area of the 36 temporary crops totalled more than 412 million hectares. (Data on crops harvested, or land in temporary crops were not available for

France, Greece, Guatemala, Trinidad and Tobago, and Brazil. These five countries had 52 million hectares of cropland.) The area of cereal crops totalled approximately 340 million hectares and represented four fifths of the total area for the 36 temporary crops. Wheat and rice areas accounted for two fifths of the area of the 36 temporary crops and half of the area for all cereals. Cereals (wheat, rice, maize for grain, millet and sorghum for grain, barley and oats for grain, rye and buckwheat) occupied more than two fifths of the cropland in the 83 countries and wheat and rice occupied almost a fourth of all cropland. Since much of the almost 100 million hectares of fallow land is used also for cereal production, the percentage of the area of cropland used for cereals represented more than three fifths of the total cropland in the 83 countries. Wheat and rice, millet and sorghum are primarily food grains, and most of the production of these crops that entered international trade was used for food. Maize was an important feed crop in North America, Argentina and Uruguay. Elsewhere maize was a food grain.

The distribution of the areas by countries varied greatly from crop to crop. Some crops like maize and wheat were grown in many countries; other crops like cocoyams and yams, sugarcane and hops were important crops in relatively few countries. Table 5.2 contains data for the four crops or groups of crops having the largest area in each country. Area, of course, does not always measure the importance of individual crops, as there are great differences in the level of yields of different crops within a country. Many food crops, such as manioc, cocoyams and yams, edible dry beans and sweet potatoes, were produced often in small quantities as subsistence crops for the households of holders, and undoubtedly there was underreporting of small areas and quantities for such crops in many countries.

5.4 Production of crops

Data on the production of crops were available for only part of the countries for which crop areas were available. In some countries the production data were obtained for all holdings, in other countries for only a sample of holdings. In most countries the production data represented totals of es-

timates obtained from holders; in other countries the data were derived from special crop measurement surveys made for a sample of holdings and often for a sample of fields or plots on a sample of holdings. Production data for crops like manioc, cocoyams and yams, and vegetables, which were often harvested piecemeal as the food needs of the holder's household required, are probably subject to considerable error. The sources of production data are shown in Table 5.1.

5.5 Area of permanent crops

Land reported in permanent crops for the 83 countries totalled 44.3 million hectares and represented more than 6 percent of all cropland in holdings (Table 5.3). Totals have been prepared giving available data for area in crop, number of trees of productive age, number of trees of nonproductive age and production for 26 crops. The areas reported for compact plantations for these 26 crops were as follows:

	Area in crop (thousands of hectares)
Grapes (vineyards)	* 5 085
Coffee	3 189
Olives	* 3 149
Coconuts	* 3 088
Rubber	2 360
Plantains	1 204
Bananas	* 965
Almonds	* 938
Tea	* 780
Apples	* 428
Figs	* 390
Cacao	340
Oranges	* 303
Plums and prunes	* 229
Pears	* 222
Peaches	* 184
Dates	* 164
Pineapples	149
Mandarins	* 89
Mangoes	* 56

	Area in crop (thousands of hectares)
Cherries	* 54
Lemons	* 34
Walnuts	* 5
Grapefruit	* 3
Breadfruit	* —
Sour limes	* —

* Area greatly understated. See table giving detailed data for the crop.

Satisfactory data to measure the extent of the coverage of the world's area for permanent crops are not available.

In a considerable number of countries, areas in compact plantations for some or all permanent crops were not reported, hence the total area given in the above table and in the tables giving data for individual crops may be understated. The understatement is large, especially for such crops as apples, oranges, plums and prunes, pears, peaches, cherries, lemons, walnuts and grapefruit, as the area in crop was not available for several countries including the United States of America. On the other hand, in many countries permanent crops are grown in mixtures or in association with each other, and often the area reported represented the total area occupied by the crop rather than the allocated area (see Table 5.1). The interplanting of coffee and cacao with bananas, plantains and oranges was quite prevalent in many countries, as these plants require shade for satisfactory growth and production. Data are not published for all permanent crops, and for some countries the area in important permanent crops was not reported. Accordingly, the areas in compact plantations reported for the 26 permanent crops account for only part of the land in permanent crops.

Table 5.3 provides available data on the total area under permanent crops and also on the area under each of the principal permanent crops for the countries for which data could be compiled. Data were not available for the area of each permanent crop for every country included in the table. The data under the column "Fruit orchards" include those for fruit trees listed in Group 23.1 of the FAO programme, fruit trees in Group 23.2 but not included in the previous group, and cultivated edible nut trees (Group 23.3).

5.6 Relationship of cropland to area in crops

The total area of cropland reported for the 83 countries totalled 700 million hectares. The relationship of the area in various groups of crops to this total can be seen from the following:

	Million hectares
Total cropland	700
Thirty-six temporary crops except forage crops	413
Permanent meadows and pastures cut for hay	6
Temporary grasses and grains cut for hay and silage	62
Grasses, legumes and grains grown only for grazing	32
Other fodder crops, root crops for feed, etc.	6
Land in permanent crops	44
Fallow land	97

The areas included in the totals for the 36 temporary crops except forage crops, temporary grasses and grain cut for hay or silage, grasses, legumes and grains grown only for grazing and other fodder crops, root crops for feed, etc., understate the totals for all countries as data were not available for all these groups of crops for every country. There were countries (France, Greece, Guatemala, Trinidad and Tobago and Brazil) for which no data were available for areas for temporary crops; permanent meadows and pastures cut for hay; temporary grasses and grains cut for hay and silage; grasses, legumes and grains grown only for grazing and other fodder crops, root crops for feed, etc. These five countries had approximately 52 million hectares of cropland. Moreover, data were not summarized for seed crops, many vegetable crops, many industrial crops and areas on which crops failed. Because of the incompleteness resulting from data not being available for all crops for every country, and from the omission of data for some crops, the totals given above may understate by 10 percent or more the areas for all crops and the areas for the groups of crops listed above.

TABLE 5.1 - DESCRIPTION OF DATA REPORTED FOR CROP AREA AND PRODUCTION

	Agricultural crop year or date to which crop area relates	Kind of area reported for temporary crops	How area of mixed crops or temporary crops grown in association was counted ¹	Approximate extent of growing crops in mixtures or in association	How area was reported for crops grown in succession	How area was reported for mixed permanent crops or permanent crops grown in association ¹	Source of data on crop production
EUROPE							
Austria	1 June 1960	Area in crop	...	...	Succession crops not reported	...	No data
Belgium	Calendar year 1959	Area in crop	...	...	Aggregate	...	Estimated
Denmark	July 1959	Area in crop	...	...	Succession crops not reported	...	Census
Finland	15 June 1959	Area in crop	...	...	...	...	Estimated on basis of sample survey
Germany, Fed. Rep. of ..	May 1960	Area in crop	Allocated to principal crop	...	...	Total allocated to each crop	No data
Ireland	June 1960	Area in crop	...	...	Succession crops not reported	Allocated to principal crop	Census
Italy	1960-61	Area planted or to be planted	...	...	...	Total allocated to each crop	No data
Malta and Gozo	27 Sept. 1959-25 Sept. 1960	Area planted	...	...	...	Total allocated to each crop	No data
Netherlands	8 May-6 June 1959	Area in crop	...	...	...	...	Census
Norway	1959	Area harvested	Allocated to each crop	...	Succession crops not reported	...	No data
Poland	June 1960	Area in crop	...	...	...	Allocated to each crop	No data
Spain	1961-62	Area harvested	Allocated to each crop	...	Aggregate except for vegetables	Allocated to each crop	No data
Sweden	Summer of 1960	Area in crop	Allocated to each crop	...	...	...	No data
United Kingdom	1-4 June 1960	Area in crop	Allocated to each crop	...	...	Total allocated to each crop	Sample survey
Yugoslavia	May 1960	Area planted	Allocated to principal crop	...	...	Allocated to principal crop	No data
NORTH AND CENTRAL AMERICA							
Antigua and Barbuda	1960-61	Area harvested	Total allocated to each crop	...	Aggregate	...	...
Barbados	1960-61	Area harvested	Allocated when possible to each crop	...	Aggregate	...	...
Canada	1 June 1961	Area planted or to be planted for harvest in 1961	Total allocated to each crop	Very small (only oats and barley)	Aggregate	Total allocated to each crop	No data

TABLE 5.1 - DESCRIPTION OF DATA REPORTED FOR CROP AREA AND PRODUCTION (continued)

	Agricultural crop year or date to which crop area relates	Kind of area reported for temporary crops	How area of mixed crops or temporary crops grown in association was counted ¹	Approximate extent of growing crops in mixtures or in association	How area was reported for crops grown in succession	How area was reported for mixed permanent crops or permanent crops grown in association ¹	Source of data on crop production
Costa Rica	April 1962 - March 1963	Area harvested	Allocated to each crop	...	Aggregate	Total allocated to each crop	Census
Dominican Republic	Year ending 9 Aug. 1960	Area planted during year	Total allocated to each crop	40% or more of maize grown with other crops	Aggregate	Total allocated to each crop	Census
El Salvador	May 1960 - April 1961	Area planted	Total allocated to each crop	Maize and beans, maize and sorghum, maize and other crops grown in mixtures	Aggregate	Total allocated to each crop	...
Guatemala	May 1963 - April 1964	Area in crop	Total allocated to each crop	...	Aggregate, except for vegetables	Total allocated to each crop	...
Jamaica	1961	Area harvested	Total allocated to each crop	50% maize mixed with other crops	Aggregate	Total allocated to each crop	Census
Mexico	1 May 1959 - 30 April 1960	Area harvested	...	20% of maize mixed with other crops	Aggregate	...	Census
Nicaragua	May 1962 - April 1963	Area harvested	Allocated to each crop	20% of maize mixed with other crops	Aggregate	Total allocated to principal crop	Census
Panama	1 May 1960 - 30 April 1961	Area planted in 1960	Allocated to each crop	...	Aggregate	...	Census
Puerto Rico	1 Nov. 1958 - 31 Oct. 1959 (Coffee 1 March 1958-28 Feb. 1959)	Area harvested	Total allocated to each crop	Small, except for coffee grown with plantains, bananas, etc.	Aggregate	Total allocated to each crop	Census
Trinidad and Tobago	1960-61	Area harvested	Total allocated to each crop	...	Aggregate	Total allocated to each crop	...
United States	Crop year 1959	Area harvested	Allocated to each crop	Relatively small	Aggregate	Total allocated to each crop	Census
Virgin Islands (U.K.)	1960-61	Area harvested	Total allocated to each crop	...	Aggregate	Total allocated to each crop	...
Virgin Islands (U.S.)	Crop year 1959	Area harvested	Total allocated to each crop	Relatively small	Aggregate	Total allocated to each crop	Census
SOUTH AMERICA							
Argentina	Oct. 1959 - Sept. 1960	Area planted	...	5% of wheat mixed with alfalfa	Aggregate	...	No data
Brazil	1959	Area harvested	Allocated to each crop	6-11% rice and maize grown with other crops	Aggregate	...	No published data available

TABLE 5.1 - DESCRIPTION OF DATA REPORTED FOR CROP AREA AND PRODUCTION (continued)

	Agricultural crop year or date to which crop area relates	Kind of area reported for temporary crops	How area of mixed crops or temporary crops grown in association was counted ¹	Approximate extent of growing crops in mixtures or in association	How area was reported for crops grown in succession	How area was reported for mixed permanent crops or permanent crops grown in association ¹	Source of data on crop production
Chile	1 May 1964 - 30 April 1965	Area planted	Allocated to each crop	...	...	...	No data
Colombia	Calendar year 1959	Area harvested	Allocated to each crop	...	Aggregate	...	Census
Paraguay	July 1960 - June 1961	Area harvested	Allocated to each crop	1/3 beans, 1/10 sweet potatoes, 1/10 maize mixed with other crops	Aggregate	Total allocated to each crop	...
Peru	3 July 1960 - 2 June 1961	Area harvested	Allocated to each crop	...	Aggregate	Allocated to each crop	...
Surinam	19 Nov. 1958 - 19 Oct. 1959	Area planted	Allocated to each crop	...	Aggregate	Total allocated to each crop	Census (estimated)
Uruguay	Spring of 1960 to autumn of 1961	Area planted or harvested	Allocated to each crop	...	Aggregate	...	Census
Venezuela	1 April 1960-31 March 1961	Area harvested	Total allocated to each crop	1/6 rice, 1/3 maize, 1/2 beans, 1/5 cassava, 1/2 cotton mixed with other crops	Aggregate except for vegetables	...	Census
Asia							
Brunei	1 Sept. 1963 - 31 Aug. 1964	...	Allocated to each crop	...	...	...	...
Ceylon	1 July 1962	Area in crop	...	...	Aggregate	...	No data
China (Taiwan)	1960	Area planted	Allocated to each crop	...	...	...	No data
India	1959-60	Official estimates (not census) of area harvested	...	5 to 6% of rice and 70 to 80% of other crops grown in mixtures	...	...	Official estimates (not census)
Indonesia	1962-63	Area harvested	Total allocated to each crop	Maize and rice grown in mixtures	Aggregate	Total allocated to each crop	...
Iran	Calendar year 1960	Area harvested	Total allocated to each crop	Practically none	Aggregate	...	Census
Iraq	Winter season 1957-58, Summer of 1958	Area planted	Total allocated to each crop	Practically none	Area counted only once	...	Census
Japan	1959-60	Area planted	...	...	...	...	Census
Korea, Rep. of	1960	Area harvested	...	...	...	...	No data

TABLE 5.1 - DESCRIPTION OF DATA REPORTED FOR CROP AREA AND PRODUCTION (continued)

	Agricultural crop year or date to which crop area relates	Kind of area reported for temporary crops	How area of mixed crops or temporary crops grown in association was counted	Approximate extent of growing crops in mixtures or in association	How area was reported for crops grown in succession	How area was reported for mixed permanent crops or permanent crops grown in association ¹	Source of data on crop production
Lebanon	1961	Area in crop	Allocated to each crop	Temporary crops and permanent crops grown in mixtures frequently	Aggregate	Allocated to each crop	...
Malaya, Fed. of	1959	Area harvested	Allocated to each crop	...	Aggregate	Allocated to each crop	Census
North Borneo	1961	Area in crop	Total allocated to each crop	...	Aggregate	Total allocated to each crop	No data
Pakistan	1 June 1959 - 30 June 1960	...	Allocated to each crop	Wheat, barley, cotton and oil-seeds frequently grown in mixtures	Aggregate	...	No data
Philippines	July 1959 - June 1960	Area planted for harvest during year	Allocated to each crop when crops were grown mixed; total allocated to each crop when crops were inter-planted	...	Aggregate	Allocated to each crop when crops were grown mixed; total allocated to each crop when crops were inter-planted	Census
Sarawak	Crop year 1959-60	Area in crop	Total allocated to each crop	...	...	Total allocated to each crop	No data
Thailand	16 April 1962-15 April 1963	Area harvested	Total allocated to principal crop only	...	Aggregate	...	Census
Turkey	Crop year 1963	Area harvested	Total allocated to principal crop	...	Aggregate	Total allocated to principal crop	Census
Viet-Nam, Rep. of	1960	Area in crop	Allocated to each crop	...	Aggregate	...	Census
AFRICA							
Central African Republic ..	1959-60	Area in crop	...	1/4 cotton, 1/3 coffee, 1/5 cassava grown in mixtures	...	...	...
Kenya	1960	Area in crop	Total allocated to each crop	...	Aggregate	...	Estimates (crop measurement on a sample for African holdings)
Lesotho	July 1960 - June 1961	Area in crop	...	...	Aggregate	...	...
Libya	1 Oct. 1959 - 30 Sept. 1960	Area planted	Allocated to each crop	Considerable part of area of maize and beans grown in mixture	Aggregate	Allocated to each crop	Census (for year preceding census)

TABLE 5.1 - DESCRIPTION OF DATA REPORTED FOR CROP AREA AND PRODUCTION (concluded)

	Agricultural crop year or date to which crop area relates	Kind of area reported for temporary crops	How area of mixed crops or temporary crops grown in association ¹ was counted ¹	Approximate extent of growing crops in mixtures or in association	How area was reported for crops grown in succession	How area was reported for mixed permanent crops or permanent crops grown in association ¹	Source of data on crop production
Madagascar	1961	Area in crop	Total allocated to each crop	...	...	...	...
Mali	1960	Area in crop	...	...	...	...	No data
Morocco	1961-62	...	...	...	...	...	...
Portuguese Guinea	1960	Area in crop	...	...	...	...	Estimated (from crop cuttings or estimate of selected holders)
Senegal	Sept.-Oct. 1960	Area in crop	Total allocated to principal crop	3/4 area in ground-nuts and millet grown in mixtures	...	...	...
Seychelles	1959	Area harvested	...	...	...	...	No data
South Africa	Year ending 31 Aug. 1960	Area planted	Total allocated to each crop	...	Aggregate	...	Census
Southern Rhodesia	Year ending 30 Sept. 1960	Area planted	...	About 1/2 of area planted is in mixed crops.	...	...	Census
South West Africa	Year ending 31 Aug. 1960	Area planted	Total allocated to each crop	...	...	...	Census
Tanganyika (commercial holdings)	1960	Area planted	Allocated to principal crop	...	...	...	No data
Togo	1961-1962	Area in crop	...	...	...	...	...
Tunisia	1961-1962	...	...	...	...	...	...
Uganda	July 1963 - June 1964	Area in crop during year	Total allocated to each crop	...	Aggregate	...	Census (special survey with crop measurement)
United Arab Republic	May-June 1961 for winter crops; Sept.-Oct. 1961 for summer crops	Area in crop	Total allocated to each crop	...	Aggregate	...	No data
Zambia (European holdings)	Year ending 30 Sept. 1960	Area planted	...	...	...	...	Census
OCEANIA							
American Samoa	Calendar year 1959	Area harvested	Total allocated to each crop	...	Aggregate	Total allocated to each crop	Census
Australia	Year ending 31 March 1960	Area planted	Allocated to each crop	...	Aggregate	Total allocated to each crop	Census
Guam	Calendar year 1959	Area harvested	Total allocated to each crop	...	Aggregate	Total allocated to each crop	Census
New Zealand	1 Feb. 1959 - 30 June 1960	Area harvested	...	...	...	Total allocated to each crop	Census

¹ Allocated to each crop = total area was divided among crops in mixture. Total allocated to each crop = total area was counted for each crop grown in mixture.

TABLE 5.2 - FOUR MOST IMPORTANT TEMPORARY CROPS FOR EACH COUNTRY ACCORDING TO THE SIZE OF AREA OCCUPIED

	Total crop-land (1 000 ha)	First crop		Second crop		Third crop		Fourth crop	
		Name	Area (1 000 ha)	Name	Area (1 000 ha)	Name	Area (1 000 ha)	Name	Area (1 000 ha)
EUROPE	106 416								
Austria	1 661	Hay and forage crops	300	Wheat	281	Barley	199	Rye	167
Belgium	914	Hay and forage crops	443	Wheat	198	Oats	140	Barley	109
Denmark	2 744	Barley	752	Hay and forage crops	630	Mixed grain	264	Oats	204
Finland	2 597	Hay and forage crops	1 187	Oats	461	Barley	233	Wheat	139
France	18 148	...	...	...	...	...	...	...	...
Germany, Fed. Rep. of	7 843	Wheat	1 314	Rye	1 264	Potatoes	971	Barley	932
Greece	3 621	...	...	...	...	...	...	...	...
Ireland	1 477	Hay and forage crops	860	Oats	172	Wheat	148	Barley	133
Italy ¹	12 553	Wheat	4 279	Potatoes	...	Wheat	...	Barley and maslin	...
Malta and Gozo	16	Hay and forage crops	7	...	3	...	2	...	2
Netherlands	1 078	Potatoes	146	Rye	144	Oats	126	Wheat	120
Norway	829	Hay and forage crops	533	Barley	141	Oats	65	Potatoes	55
Poland	16 223	Rye	5 122	Potatoes	2 876	Oats	1 641	Wheat	1 361
Spain	19 442	Wheat	4 240	Barley	1 736	Oats	630	Maize	475
Sweden	3 342	Hay and forage crops	1 228	Oats	525	Barley	343	Wheat	275
United Kingdom	7 319	Hay and forage crops	1 736	Barley	1 365	Wheat	851	Oats	799
Yugoslavia	6 609	Maize	2 106	Wheat	1 685	Hay and forage crops	591	Oats	259
NORTH AND CENTRAL AMERICA	248 525								
Antigua and Barbuda	8	Sugarcane	5	Cotton	1	Maize	—	Sweet potatoes	—
Barbados	27	Sugarcane	18	Sweet potatoes	1	Yams	1	Peas and beans	—
Canada	36 696	Wheat	10 245	Hay and forage crops	5 757	Oats	4 255	Barley	2 237
Costa Rica	610	Maize	53	Rice	50	Edible dry beans	43	Sugarcane	35
Dominican Republic	1 807	Sugarcane	192	Rice	79	Manioc	58	Maize	43
El Salvador	648	Maize	216	Sorghum	117	Cotton	45	Edible dry beans	30
Guatemala	1 498	...	...	...	...	...	...	...	...
Jamaica	221	Sugarcane	73	Maize	12	Sweet potatoes	7	Yams	...
Mexico	23 817	Maize	6 802	Wheat	846	Cotton	752	Sugarcane	302
Nicaragua	884	Maize	173	Cotton	96	Edible dry beans	40	Sorghum	33
Panama	553	Rice	89	Maize	77	Edible dry beans	19	Sugarcane	16
Puerto Rico	285	Sugarcane	126	Hay and forage crops	26	Tobacco	7	Cocoyams and yams	7
Trinidad and Tobago	132	...	...	...	...	...	...	...	...
United States ..	181 332	Hay and forage crops	31 421	Maize	28 354	Wheat	2 059	Oats	10 753
Virgin Islands (U. K.)	2	Sugarcane	—	Sweet potatoes	—	Tannias	—	Yams	—
Virgin Islands (U. S.)	5	Sugarcane	1	Sweet potatoes	—	Cocoyams and yams	—	Maize	—
SOUTH AMERICA	68 612								
Argentina	19 472	Hay and other forage crops	5 829	Wheat	4 472	Rye	2 719	Maize	2 674
Brazil	28 712	...	...	...	...	...	...	...	...
Chile	4 434	Wheat	727	Potatoes	91	Maize	88	Oats	70
Colombia	5 047	Maize	871	Sugarcane	344	Rice	227	Manioc	217
Paraguay	847	Maize	194	Manioc	112	Edible dry beans	53	Cotton	35
Peru	2 596	Maize	341	Cotton	243	Potatoes	186	Barley	172
Surinam	38	Rice	29	Sugarcane	1	Maize	—	Other vegetables	—
Uruguay	2 252	Hay and forage crops	620	Wheat	506	Maize	269	Sanflower	130
Venezuela	5 214	Maize	593	Black beans	95	Sugarcane	77	Sesame	61

TABLE 5.2 - FOUR MOST IMPORTANT TEMPORARY CROPS FOR EACH COUNTRY ACCORDING TO THE SIZE OF AREA OCCUPIED (*concluded*)

	Total crop-land (1 000 ha)	First crop		Second crop		Third crop		Fourth crop	
		Name	Area (1 000 ha)	Name	Area (1 000 ha)	Name	Area (1 000 ha)	Name	Area (1 000 ha)
ASIA	222 071								
Brunei	18	Rice	3	Manioc	—	Maize	—	Yams	—
Ceylon	1 611	Rice	618	Vegetables	22	Manioc	17	Sorghums	10
China (Taiwan)	792	Rice	649	Sweet potatoes	284	Groundnuts	74	Sugarcane	86
India	120 268	Millet and sorghum	² 36 068	Rice	² 33 820	Wheat	² 13 800	Gram	² 10 326
Indonesia	12 851	Rice	5 766	Maize	1 974	Manioc	1 227	Soybeans	410
Iran	11 320	Wheat	3 703	Barley	1 051	Rice	367	Cotton	295
Iraq	7 461	Wheat	1 919	Barley	1 637	Rice	211	Cotton	52
Japan	6 046	Rice	3 258	Barley	887	Wheat	597	Vegetables	478
Korea, Rep. of	1 887	Rice	1 054	Barley	352	Soybeans	234	Wheat	125
Lebanon	255	Wheat	69	Barley	20	Vetches	9	Maize	7
Malaya, Fed. of	1 768	Rice	276	Manioc	8	Vegetables	4	Sweet potatoes	2
North Borneo	159	Rice	35	Maize	3	Manioc	1	Tobacco	1
Pakistan	22 819	Rice	9 849	Wheat	5 366	Hay and fodder crops	2 047	Millet and sorghum	1 708
Philippines	6 696	Rice	2 730	Maize	1 902	Sugarcane	176	Sweet potatoes	113
Sarawak	208	Rice	70	Maize	5	Manioc	2	Job's tears	1
Thailand	9 790	Rice	5 957	Maize	262	Mung beans	84	Kenaf	83
Turkey	15 701	Wheat	4 871	Barley	1 340	Maize	664	Cotton	453
Viet-Nam, Rep. of	2 421	Rice	2 206	Sugarcane	41	Manioc	41	Sweet potatoes	34
AFRICA	40 318								
Central African Republic	451	Manioc	245	Cotton	137	Groundnuts	50	Gourds	47
Kenya	1 670	Maize	988	Pulses	622	Millet	238	Sorghum	184
Lesotho	353	Maize	155	Wheat	67	Sorghums	66	Dry peas	17
Libya	2 509	Barley	719	Wheat	223	Esparto grass	11	Hay and fodder crops	6
Madagascar	917	Rice	526	Manioc	124	Maize	35	Sweet potatoes	29
Mali	1 221	Millet	468	Sorghum	386	Groundnuts	131	Rice	87
Morocco	7 276	Wheat	1 490	Oats	1 425	Maize	360	Dry broad beans	163
Portuguese Guinea	263	Rice	115	Groundnuts	26	Millet and sorghum	26	Fundo	25
Senegal	1 072	Groundnuts	692	Millet	313	Rice	48	Manioc	6
Seychelles	14	Maize	—	Manioc	—	Sugarcane	—	Vegetables	—
South Africa	12 058	Maize	5 444	Wheat	1 216	Sorghum	720	Groundnuts	284
Southern Rhodesia	1 540	Maize	653	Millet and sorghum	392	Hay and forage crops	91	Tobacco	81
South West Africa	642	Millet	218	Maize	32	Sorghum	14	Cowpeas	4
Tanganyika	399	Maize	15	Beans for seed	7	Sugarcane	7	Wheat	4
Togo	570	Millet and sorghum	242	Maize	143	Edible dry beans	104	Manioc	95
Tunisia	4 510	Wheat	1 190	Barley	585	Leguminous plants	80	Forage crops	35
Uganda	2 262	Millet and sorghum	684	Cotton	498	Dry beans	308	Maize	277
United Arab Republic	2 510	Maize	832	Cotton	823	Wheat	721	Rice	222
Zambia	81	Maize	42	Hay and forage crops	13	Tobacco	7	Sunn hemp seed	2
OCEANIA	13 564								
American Samoa	2	Cocoyams and yams	—	Sugarcane	—	Arrowroot	—	Tobacco	—
Australia	13 086	Wheat	4 926	Hay and forage crops	2 564	Oats	1 226	Barley	963
Guam	7	Cocoyams	—	Watermelons and melons	—	Cucumbers	—	Maize	—
New Zealand	469	Hay and forage crops	713	Wheat	66	Barley	25	New Zealand flax	16
TOTAL	699 506								

¹ Census report gives area for wheat only. — ² Official estimates, not census figures.

TABLE 5.3 - AREA OF PRINCIPAL PERMANENT CROPS

	Total cropland	Land under per- manent crops	Fruit orchards	Bananas	Plantains	Grapes	Coffee	Cacao	Tea	Olives	Coconuts	Rubber
<i>Thousands of hectares</i>												
EUROPE	106 415	10 651	...	...	...	...	...	...	...	...	...	...
Austria	1 661	41	7	—	—	33	—	—	—	—	—	—
Belgium	914	48	45	—	—	...	—	—	—	—	—	—
Denmark	2 744	11	11	—	—	...	—	—	—	—	—	—
Finland	2 597	12	10	—	—	...	—	—	—	—	—	—
France	18 148	1 774	243	—	—	1 241	—	—	—	...	—	—
Germany, Fed. Rep. of	7 843	135	57	—	—	66	—	—	—	—	—	—
Greece	3 621	820	...	...	...	237	—	—	—	—	—	—
Ireland	1 477	4	4	—	—	...	—	—	—	—	—	—
Italy	12 553	2 344	534	...	...	1 031	...	...	...	778	...	—
Malta and Gozo	16	2	1	...	...	1	...	...	...	...	...	—
Netherlands	1 078	66	53	—	—	—	—	—	—	—	—	—
Norway	829	44	42	—	—	...	—	—	—	—	—	—
Poland	16 223	262	262	—	—	...	—	—	—	—	—	—
Spain	19 442	4 434	1 016	...	...	1 242	...	...	...	2 013	—	—
Sweden	3 342	5	5	—	—	—	—	—	—	—	—	—
United Kingdom ...	7 319	116	95	—	—	...	—	—	—	—	—	—
Yugoslavia	6 609	534	203	...	...	221	...	...	...	9	...	—
NORTH AND CENTRAL AMERICA	248 524	4 641	...	...	...	...	...	...	...	...	...	...
Antigua and Barbuda	8	—	...	—	—	...	...	...	...	...	—	...
Barbados	27	—	...	—	—	...	...	...	...	...	—	...
Canada	36 696	84	60	—	—	9	...	...	...	...	—	...
Costa Rica	610	200	1	25	7	...	80	37	...	...	2	...
Dominican Republic	1 807	259	...	31	71	...	81	63	...	...	...	...
El Salvador	648	160	...	...	...	...	142	...	...	...	...	...
Guatemala	1 498	322	...	...	...	...	...	...	...	...	...	...
Jamaica	221	...	...	...	...	...	...	...	...	...	...	...
Mexico	23 817	1 310	176	49	45	17	381	58	...	3	151	...
Nicaragua	884	158	...	12	34	...	95	2	...	...	...	...
Panama	553	125	10	28	9	...	25	6	...	...	3	...
Puerto Rico	285	106	8	14	6	...	72	—	...	...	4	...
Trinidad and Tobago	132	82	...	...	...	...	...	...	...	...	...	...
United States	181 332	1 833	1 667	...	...	...	...	...	...	...	...	...
Virgin Islands (U.K.)	2	—	...	...	...	...	...	...	...	...	...	...
Virgin Islands (U.S.)	5	—	—	—	—	...	...	...	...	...	—	...
SOUTH AMERICA	68 613	11 881	...	...	...	...	...	...	...	...	...	...
Argentina	19 472	1 205	...	...	...	258	...	...	14	...	...	...
Brazil	28 712	7 797	...	...	...	...	...	...	...	...	...	...
Chile	4 434	198	86	...	...	112	...	...	...	...	...	...
Colombia	5 047	1 515	...	55	409	...	968	51	...	...	...	...
Paraguay	847	107	...	...	...	...	...	...	...	...	...	...
Peru	2 596	342	33	...	80	6	91	8	2	2	...	3
Surinam	38	8	2	...	...	...	2	2	...	...	2	...
Uruguay	2 252	57	38	...	...	19	...	...	...	...	...	...
Venezuela	5 214	652	43	103	78	—	310	69	...	...	28	...
ASIA	222 071	12 864	...	...	...	...	...	...	...	...	...	...
Brunei	18	14	—	—	...	...	...	...	...	...	—	11
Ceylon	1 611	1 083	...	...	...	...	...	13	231	...	466	229
China (Taiwan)	792	93	22	13	...	...	...	...	31	...	...	...
India	120 268	1 306	...	164	...	...	111	...	331	...	175	129
Indonesia	12 851	2 949	...	...	...	...	4215	46	473	...	417	4531
Iran	11 320	291	194	...	...	82	...	...	12	—	...	...
Iraq	7 461	187	187	...	...	...	...	...	...	—	...	...
Japan	6 046	367	170	...	...	15	...	...	31	...	...	...
Korea, Rep. of	1 887	25	19	...	...	1	...	...	...	...	...	...
Lebanon	255	51	24	3	...	13	...	...	...	14	...	...
Malaya, Fed. of.	1 768	1 447	8	4	...	...	5	—	3	...	109	1 154
North Borneo	159	115	1	1	...	...	1	...	...	...	32	76
Pakistan	22 819	299	...	...	...	...	...	...	...	...	...	...
Philippines	6 696	1 796	54	187	...	...	65	4	...	...	1 497	...
Sarawak	208	154	3	1	...	...	1	...	...	...	13	135
Thailand	9 790	1 360	...	96	...	...	—	...	...	...	...	...
Turkey	15 701	1 099	376	1	...	388	...	...	17	280	...	...
Viet-Nam, Rep. of ..	2 421	228	33	29	...	...	9	...	2	...	33	98

TABLE 5.3 - AREA OF PRINCIPAL PERMANENT CROPS (concluded)

	Total cropland	Land under per- manent crops	Fruit orchards	Bananas	Plantains	Grapes	Coffee	Cacao	Tea	Olives	Coconuts	Rubber
<i>Thousands of hectares</i>												
AFRICA	40 317	4 081	...	...	...	...	...	...	...	...	...	...
Central African Re- public	451	30	...	14	...	—	16	...	16	...	52	—
Kenya	1 670	287	...	68	...	...	46	...	...	...	...	...
Lesotho	353	1	...	...	...	...	...	...	...	...	...	...
Libya	2 509	134	34	—	...	9	...	...	...	44	...	...
Madagascar	917	223	1	35	...	...	116	...	...	...	...	...
Mali	1 221	...	4	...	...	...	...	...	...	...	...	...
Morocco	7 276	374	...	...	...	25	...	...	...	...	...	...
Portuguese Guinea ..	263	...	...	...	...	...	...	...	...	...	...	...
Senegal	1 072	3	2	—	...	...	...	...	...	...	...	...
Seychelles	14	13	—	—	...	...	—	...	...	...	8	...
South Africa	12 058	480	...	9	...	...	...	...	...	...	...	...
Southern Rhodesia ...	1 540	90	...	...	...	...	...	...	1	...	...	...
South West Africa ...	642	—	—	—	—	—	—	—	—	—	—	—
Tanganyika (com- mercial holdings only)	399	286	7	...	...	...	10	—	6	...	5	—
Togo	570	125	5	6	...	...	41	23	...	...	...	...
Tunisia	4 510	1 310	...	...	...	...	...	...	...	...	...	...
Uganda	2 262	663	...	...	464	...	306	...	10	...	...	...
United Arab Repub- lic	2 510	60	47	4	...	7	...	...	...	1	...	...
Zambia (European holdings)	81	1	...	...	...	...	...	...	...	...	...	...
OCEANIA	13 564	186	...	...	...	...	...	...	...	...	...	...
American Samoa ...	2	2	...	...	...	...	...	...	...	...	...	...
Australia	13 086	171	93	13	...	53	...	...	...	3	...	...
Guam	7	1	...	—	...	...	...	...	...	...	...	...
New Zealand	469	12	8	...	...	...	...	...	...	...	...	...
TOTAL	699 504	44 304	...	...	...	...	...	...	...	...	...	...

¹ Includes area under grapes. — ² Including plantains. — ³ Official estimates, not census figures. — ⁴ Data are for estates only. — ⁵ Data are for European and Asian holdings only.

TABLE 5.4 - AREA OF PERMANENT MEADOWS AND PASTURES CUT FOR HAY AND AREAS OF TEMPORARY FORAGE CROPS

	Permanent meadows and pastures cut for hay	Temporary grasses and grains cut for hay or silage ¹	Grasses, legumes and grains grown only for grazing ¹	Other fodder, root crops for feed, etc.		Permanent meadows and pastures cut for hay	Temporary grasses and grains cut for hay or silage ¹	Grasses, legumes and grains grown only for grazing ¹	Other fodder, root crops for feed, etc.
. . . . Thousands of hectares					 Thousands of hectares				
EUROPE	5 845	15 654	2 321	3 493	Peru	...	...	237	...
Austria	2 189	101	...	92	Surinam	...	6	...	...
Belgium	747	105	22	156	Uruguay	...	617	...	...
Denmark	365	212	442	417	Venezuela	...	...	2 761	...
Finland	26	1 184	195	20	ASIA	...	536	165	2 069
France	...	4 848	...	626	China (Taiwan)	...	...	4	...
Germany, Fed. Rep. of	82	53	...	1 047	Iran	...	...	131	...
Ireland	659	133	...	88	Japan	...	480	...	...
Italy	...	3 783	...	...	Korea, Rep. of	...	...	18	...
Malta and Gozo	...	3	...	1	Lebanon	...	...	9	...
Netherlands	...	12	...	43	Pakistan	...	...	...	2 046
Norway	507	11	...	15	Sarawak	...	...	3	...
Poland	...	1 631	...	204	Turkey	...	56	...	23
Spain	...	508	...	171	AFRICA	...	350	78	206
Sweden	...	1 217	198	20	Kenya	...	6	...	8
United Kingdom	1 270	1 283	1 464	540	Libya	...	...	78	5
Yugoslavia	...	570	...	53	Madagascar	...	...	...	6
NORTH AND CENTRAL AMERICA	6	37 549	26 679	246	South Africa	...	340	...	53
Antigua and Barbuda	2	...	...	...	Southern Rhodesia	...	...	...	91
Barbados	4	...	...	...	South West Africa	...	1	...	...
Canada	...	5 596	...	149	Tanganyika	...	3	...	...
Costa Rica	...	416	...	...	Tunisia	...	...	...	35
El Salvador	...	...	101	...	Zambia	...	...	...	8
Mexico	...	208	...	...	OCEANIA	...	1 698	...	309
Puerto Rico	...	26	...	...	Australia	...	1 262	...	32
Trinidad and Tobago	...	14	65	...	New Zealand	...	436	...	277
United States	...	31 289	26 513	97	TOTAL	5 851	62 453	32 241	6 327
SOUTH AMERICA	...	6 666	2 998	4					
Argentina	...	5 830	...	...					
Chile	...	198	...	1					
Paraguay	...	15	...	3					

¹ In some countries the data for temporary grasses for hay or silage and grasses for grazing were reported as a single figure and could not be separated.

TABLE 5.5 - WHEAT, RICE AND RYE (for specification of area reported, see Table 5.1)

	Year to which data relate	Wheat			Rice			Rye		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	14 989 644	...	...	456 458	...	...	7 282 180	...
Austria	1960	207 173	280 604	...	...	...	...	174 649	167 219	...
Belgium	1959	121 403	198 215	788 791	...	...	...	85 158	61 196	176 028
Denmark	1959	40 721	88 263	364 258	...	...	...	61 104	120 767	289 065
Finland	1959/60	131 982	139 186	242 549	...	...	...	153 286	103 329	162 020
Germany, Fed. Rep. of	1960	966 925	1 313 488	...	...	...	...	976 135	1 264 005	...
Ireland	1960	50 735	147 913	469 415	...	...	...	...	928	2 032
Italy	1960/61	2 413 254	4 278 858	...	...	...	...	...	...	...
Malta and Gozo ...	1959/60	...	2 010	2 912	...	...	...	...	...	...
Netherlands	1959	44 409	120 392	...	...	...	...	105 402	143 824	...
Norway	1959	7 431	9 256	...	...	...	...	702	1 083	...
Poland	1960	...	1 360 766	...	...	...	...	...	5 122 232	...
Spain	1961/62	1 167 015	4 240 094	...	451 238	451 211	...	32 754	64 232	...
Sweden	1961	...	274 884	...	...	...	...	...	74 599	...
United Kingdom ...	1960	84 380	850 637	3 040 021	...	...	...	1 200	7 689	18 289
Yugoslavia	1960	1 740 196	1 685 078	...	9 200	5 247	...	423 756	151 077	...
NORTH AND CENTRAL AMERICA		...	31 149 769	...	...	1 002 821	...	...	790 707	...
Canada	1961	207 912	10 244 864	...	...	...	...	12 071	227 363	...
Costa Rica	1962/63	...	...	...	18 787	50 506	39 934	...	...	...
Dominican Republic	1959/60	...	...	...	79 140	81 074	119 505	...	...	...
El Salvador	1960/61	...	...	...	23 715	12 483	17 588	...	...	...
Mexico	1959/60	...	846 162	1 135 190	...	96 305	204 544	...	...	...
Nicaragua	1962/63	...	...	...	11 155	19 015	23 195	...	...	...
Panama	1960/61	...	...	...	71 366	88 827	121 776	...	...	...
Puerto Rico	1958/59	...	...	...	483	228	164	...	...	...
United States	1959	931 195	20 058 743	28 738 041	10 445	654 383	2 467 735	67 210	563 344	553 968
SOUTH AMERICA ...		...	6 012 152	...	...	507 056	...	...	2 726 973	...
Argentina	1959/60	85 597	4 472 138	...	2 771	63 487	...	42 301	2 719 286	...
Chile	1964/65	...	727 078	1 115 834	1 667	27 528	80 386	2 353	7 099	8 482
Colombia	1959	80 919	129 675	161 345	53 283	226 792	407 156	...	...	...
Paraguay	1960/61	11 045	13 415	11 012	4 450	15 224	31 705	85	23	14
Peru	1960/61	203 045	155 587	150 317	15 730	76 601	289 910	...	...	...
Surinam	1958/59	...	...	...	13 800	28 547	78 693	...	...	...
Uruguay	1961	16 733	506 248	419 996	125	17 362	60 866	100	565	427
Venezuela	1960/61	3 666	8 011	2 421	17 496	51 515	67 498	...	...	...
ASIA		...	30 463 341	...	...	66 891 279	...	...	367 610	...
Brunei	1963/64	...	...	...	3 378	3 243	2 503	...	...	...
Ceylon	1961/62	...	...	...	...	618 444	...	...	...	...
China (Taiwan) ...	1960	34 000	12 553	...	594 258	648 723	...	...	...	...
India	1959/60	...	213 800 000	210 324 000	...	233 820 000	231 676 000	...	...	...
Indonesia	1962/63	...	...	...	9 202 238	5 766 220	...	...	...	...
Iran	1960	...	3 703 154	2 923 657	...	367 087	3709 362	...	...	...
Iraq	1957/58	...	1 919 115	825 196	...	211 119	249 236	...	...	...
Japan	1959/60	3 578 016	597 050	1 061 665	5 363 668	3 257 722	12 487 153	18 538	1 710	3 664
Korea, Rep. of ...	1960	1 392 951	124 605	187 575	2 066 477	1 053 878	3 191 863	...	...	...
Lebanon	1961/62	52 268	69 025	...	...	...	...	...	...	...
Malaya, Fed. of ...	1959/60	...	...	...	...	276 004	488 110	...	...	...
North Borneo	1960/61	...	...	...	25 513	35 150	...	...	...	...
Pakistan	1959/60	3 826 465	5 366 468	...	6 569 760	9 848 776	...	...	...	...
Philippines	1959/60	...	...	...	1 468 397	2 730 394	3 255 589	...	...	...
Sarawak	1959/60	...	...	...	53 620	70 450	...	...	...	...
Thailand	1962/63	...	...	...	42 650 805	45 956 537	49 252 692	...	...	...
Turkey	1963	2 011 346	4 871 371	5 993 050	19 040	21 535	84 070	295 257	365 900	302 422
Viet-Nam, Rep. of ...	1960	...	...	...	1 396 020	2 205 997	4 831 492	...	...	...

TABLE 5.5 - WHEAT, RICE AND RYE (for specification of area reported, see Table 5.1) (concluded)

	Year to which data relate	Wheat			Rice			Rye		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
AFRICA		...	5 013 757	...	...	1 019 243	...	...	72 666	...
Central African Republic	1960	...	...	...	...	1 300	...	...	...	...
Kenya	1960/61	...	101 414	129 578	...	2 509	3 338	...	...	...
Lesotho	1960/61	...	66 532	57 540	...	...	...	...	...	...
Libya	1959/60	55 997	223 177	33 910	...	...	...	...	...	...
Madagascar	1961/62	...	...	...	...	526 000	...	...	...	...
Mali	1960	...	...	...	...	86 683	...	...	...	...
Morocco	1961/62	...	1 490 000	...	...	...	...	...	4 000	...
Portuguese Guinea ..	1960	...	...	...	...	114 744	182 349	...	...	...
Senegal	1960/61	...	...	...	...	47 822	...	...	...	...
South Africa	1959/60	...	1 215 917	736 566	...	1 561	1 605	...	68 661	9 917
Southern Rhodesia ..	1959/60	...	376	481	...	...	...	...	...	...
South West Africa ..	1959/60	24	642	387	...	...	...	...	5	2
Tanganyika	1960	...	4 003	...	...	708	...	...	...	...
Togo	1961/62	...	...	...	...	16 015	7 745	...	...	...
Tunisia	1961/62	...	1 190 000	...	...	...	...	...	...	...
United Arab Republic	1961	1 365 417	721 223	...	210 526	221 901	...	...	...	...
Zambia (European holdings)	1959/60	...	473	608	...	...	...	...	...	...
OCEANIA		...	4 991 938	...	...	19 812	...	...	29 423	...
Australia	1959/60	52 981	4 925 911	5 402 201	...	19 809	128 252	...	29 423	10 699
Guam	1959	...	...	...	2	3	3	...	...	...
New Zealand	1959/60	6 554	66 027	236 776	...	...	...	...	...	...
TOTAL		...	92 620 601	...	...	69 896 669	...	...	11 269 559	...

¹ Unhusked. - ² Official estimates, not census figures. — ³ Does not include production for 52 336 hectares harvested by labourers on estates. — ⁴ Excludes holdings of less than 0.32 ha.

TABLE 5.6 - MILLET AND SORGHUM, MAIZE AND BARLEY (for specification of area reported, see Table 5.1)

	Year to which data relate	Millet and sorghum			Maize			Barley		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	21 906	...	...	2 774 368	...	...	6 990 603	...
Austria	1960	...	...	...	118 357	59 745	...	179 473	198 939	...
Belgium	1959	...	...	...	...	465	2 323	...	108 986	397 979
Denmark	1959	...	...	...	...	...	...	...	751 684	2337 625
Finland	1959/60	...	...	...	...	...	...	260 260	232 869	1331 666
Germany, Fed. Rep. of	1960	...	...	...	18 998	4 235	...	...	931 955	...
Ireland	1960	...	...	...	...	...	...	...	132 706	441 982
Malta and Gozo	1959/60	...	...	...	...	...	...	...	11 656	12 215
Netherlands	1959	...	...	...	...	620	...	40 794	72 335	...
Norway	1959	...	...	...	...	...	...	64 692	140 930	...
Poland	1960	...	...	...	...	129 008	...	...	717 301	...
Spain	1961/62	...	...	...	818 101	474 736	...	884 463	1 736 020	...
Sweden	1961	...	...	...	...	...	...	...	343 363	...
United Kingdom	1960	...	...	...	...	...	...	2101 860	1 364 581	4 309 068
Yugoslavia	1960	34 323	21 906	...	2 135 228	2 105 559	...	618 829	257 278	...
NORTH AND CENTRAL AMERICA		...	6 158 436	...	...	35 902 672	...	...	8 215 104	—
Antigua and Barbuda	1960/61	...	...	...	...	261	74	...	...	...
Barbados	1960/61	...	...	...	...	742	1 410	...	...	...
Canada	1961	...	...	...	21 354	164 775	...	98 216	2 237 243	...
Costa Rica	1962/63	...	...	...	31 001	53 076	55 894	...	...	...
Dominican Republic	1959/60	...	...	...	...	42 540	57 114	...	...	...
El Salvador	1960/61	...	3117 047	3125 833	...	216 174	234 815	...	...	...
Jamaica	1961	...	...	...	...	12 303	6 362	...	...	...
Mexico	1959/60	...	337 344	365 896	...	6 802 490	5 705 937	...	231 684	178 251
Nicaragua	1962/63	327 523	332 785	337 011	77 727	172 770	149 983	...	...	...
Panama	1960/61	...	...	...	68 267	77 302	129 555	...	...	...
Puerto Rico	1958/59	...	...	...	8 425	6 342	5 787	...	...	...
Trinidad and Tobago	1959	228 396	5 971 260	12 986 412	1 989 622	28 353 888	93 912 348	290 238	5 746 177	8 672 040
United States	1959	...	...	...	31	9	4	...	...	...
Virgin Islands (U.K.)	1959	...	...	...	...	...	...	...	...	...
Virgin Islands (U.S.)	1959	...	...	...	...	...	...	...	...	...
SOUTH AMERICA		...	166 650	...	...	5 030 526	...	...	794 113	...
Argentina	1959/60	36 449	3149 505	...	201 909	2 674 235	...	15 166	494 537	...
Chile	1964/65	...	...	...	51 533	87 644	259 871	5 558	38 273	73 996
Colombia	1959	8 202	8 694	5 945	539 251	871 178	1 056 588	33 414	58 304	70 215
Paraguay	1960/61	1 122	2 471	2 688	144 422	194 145	229 153	39	13	7
Peru	1960/61	...	...	...	409 592	340 862	468 825	256 750	172 152	179 826
Surinam	1958/59	...	...	...	1 296	610	1 032	...	...	...
Uruguay	1961	41 858	42 935	41 127	53 024	269 295	223 723	2 475	30 834	22 835
Venezuela	1960/61	2 436	3 045	2 803	188 799	592 557	519 831	...	...	...
ASIA		...	38 037 373	...	...	9 757 933	...	...	8 667 458	...
Brunei	1963/64	...	...	...	89	21	24	...	...	...
Ceylon	1961/62	335 221	39 542	...	23 776	4 877	...	...	...	...
China (Taiwan)	1960	19 041	5 843	...	25 046	9 394	...	1 717	656	...
India	1959/60	...	536 068 000	516 083 000	...	54 345 000	54 073 000	...	53 378 000	52 717 000
Indonesia (Farm households)	1962/63	...	...	...	4 486 434	1 974 276	...	...	...	...
Iran	1960	...	29 551	30 114	...	...	...	...	1 050 700	808 571
Iraq	1957/58	...	24 855	16 633	...	10 360	5 893	...	1 637 332	857 934
Japan	1959/60	371 988	54 195	176 952	490 367	40 701	115 548	3 900 261	887 410	2 469 900
Korea, Rep. of	1960	4686 889	491 948	...	...	...	...	1 320 071	352 486	534 029
Lebanon	1961/62	35 528	33 189	...	12 296	7 020	...	21 196	20 462	...
Malaya, Fed. of ...	1959/60	...	...	...	5 346	1 352	...	...	...	...
North Borneo	1960/61	...	...	...	5 338	2 520	...	...	...	...
Pakistan	1959/60	1 688 828	1 707 805	...	1 033 866	504 801	...	...	...	...
Philippines	1959/60	...	...	...	966 716	1 902 038	1 439 081	...	...	...
Sarawak	1959/60	...	...	...	18 018	4 621	...	...	...	...
Thailand	1962/63	...	...	...	6146 786	6261 794	6507 040	...	...	...
Turkey	1963	491 866	442 445	437 754	906 727	663 808	916 619	1 195 010	1 340 412	1 750 862
Viet-Nam, Rep. of ..	1960	...	...	...	...	25 350	24 295	...	...	...

TABLE 5.6 - MILLET AND SORGHUM, MAIZE AND BARLEY (for specification of area reported, see Table 5.1) (concluded)

	Year to which data relate	Millet and sorghum			Maize			Barley		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
AFRICA		...	4 337 841	...	...	9 047 201	...	...	2 819 342	...
Central African Republic	1960	...	45 800	...	...	39 900	...	...	...	...
Kenya	1960/61	...	421 635	378 259	...	987 662	1 108 969	...	543	...
Lesotho	1960/61	375 934	366 017	353 568	...	155 237	120 556	...	3 885	3 271
Libya	1959/60	4 520	1 729	1 293	3 702	1 287	1 088	101 553	718 790	116 419
Madagascar	1961/62	...	5 000	...	...	35 000	...	...	...	...
Mali	1960	...	854 498	...	...	23 321	...	...	...	...
Morocco	1961/62	...	110 000	65 000	...	360 000	278 000	...	1 425 000	1 084 372
Portuguese Guinea ..	1960	...	25 803	12 529	...	6 225	3 437	...	...	...
Senegal	1960/61	...	312 872	...	...	392	...	...	...	...
Seychelles	1960	...	...	...	31	74	...	...	...	...
South Africa	1959/60	...	719 828	255 019	...	5 444 062	3 967 723	...	27 657	25 551
Southern Rhodesia ..	1959/60	...	391 863	125 402	4 228	653 057	1 060 255	...	522	1 048
South West Africa ..	1959/60	...	231 808	23 524	...	31 926	7 122	...	4	4
Tanganyika (commercial holdings only)	1960	...	2 675	...	...	15 015	...	...	218	...
Togo	1961/62	...	241 780	150 849	...	142 910	101 180	...	...	...
Tunisia	1961/62	...	...	...	...	...	...	...	585 000	...
Uganda	1963/64	1 048 100	683 919	...	659 100	276 805	...	...	...	...
United Arab Republic ..	1961	...	222 274	...	...	832 156	...	154 737	57 723	...
Zambia (European holdings)	1959/60	...	3340	3299	817	42 172	97 504	...	...	...
OCEANIA		...	138 082	...	...	78 241	...	...	988 214	...
Australia ¹	1959/60	3 459	138 082	257 406	2 775	74 837	170 834	23 511	962 923	775 190
Guam	1959	...	...	...	100	30	20	...	...	...
New Zealand	1959/60	...	...	...	...	3 374	17 848	...	25 291	71 143
TOTAL		...	48 860 288	...	...	62 590 941	...	...	28 474 834	...

¹ Includes maslin. — ² Data are for Great Britain only. — ³ Sorghum only. — ⁴ Millet only. — ⁵ Official estimates (not census figures). — ⁶ Excludes holdings of less than 0.32 ha.

TABLE 5.7 - OATS AND BUCKWHEAT (for specification of area reported, see Table 5.1)

	Year to which data relate	Oats			Buckwheat		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	5 911 643	...	...	424	...
Austria	1960	183 638	156 179	...	...	...	...
Belgium	1959	138 455	139 739	423 034	...	424	...
Denmark	1959	...	203 842	567 615	...	...	...
Finland	1959/60	273 794	460 885	696 397	...	...	...
Germany, Fed. Rep. of ...	1960	873 509	735 323	...	...	...	...
Ireland	1960	175 397	172 235	425 725	...	...	...
Netherlands	1959	95 757	125 527	...	...	...	...
Norway	1959	43 101	64 704	...	...	...	...
Poland	1960	...	1 640 817	...	...	...	...
Spain	1961/62	442 506	629 812	...	...	...	...
Sweden	1961	...	525 004	...	...	...	...
United Kingdom	1960	...	798 838	2 091 031	...	...	...
Yugoslavia	1960	583 148	258 738	...	...	...	...
NORTH AND CENTRAL AMERICA		...	15 095 238	...	...	46 213	...
Canada	1961	302 045	4 255 359	...	6 610	23 744	...
Mexico	1959/60	...	86 389	68 640	...	...	...
United States	1959	1 026 858	10 753 490	14 530 858	7 067	22 469	20 102
SOUTH AMERICA		...	1 651 262	...	24	14	19
Argentina	1959/60	35 551	1 577 674	...	...	...	...
Chile	1964/65	21 372	70 252	82 232	...	...	...
Paraguay	1960/61	89	33	25	24	14	19
Peru	1960/61	5 533	3 094	1 816	...	...	...
Venezuela	1960/61	175	209	85	...	...	...
ASIA		...	362 318	...	...	46 490	...
China (Taiwan)	1960	6 853	423	...	...	...	...
Japan	1959/60	204 283	77 779	179 968	497 379	46 490	44 676
Turkey	1963	242 161	284 116	250 740	...	...	...
AFRICA		...	1 663 638	...	...	...	...
Lesotho	1960/61	...	642	837	...	...	...
Kenya (European and Asian holdings)	1964	779	11 331	9 856	...	...	...
Morocco	1961/62	...	1 425 000	...	...	...	...
South Africa	1961/62	...	226 507	127 976	...	...	...
South West Africa	1959/60	...	35	...	...	...	...
Tanganyika	1960	...	123	...	...	...	...
OCEANIA		...	1 239 716	...	...	...	...
Australia	1959/60	36 109	1 226 150	849 875	...	...	...
New Zealand	1959/60	...	13 566	33 115	...	...	...
TOTAL			25 923 815			93 127	

TABLE 5.8 - COTTON, JUTE, AND TOBACCO (for specification of area reported, see Table 5.1)

	Year to which data relate	Cotton			Jute			Tobacco		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	306 648	...	...	...	...	...	47 930	...
Belgium	1959	...	...	...	...	...	...	...	1 392	3 158
Germany, Fed. Rep. of	1960	...	...	...	...	...	...	22 401	5 814	...
Malta and Gozo	1959/60	...	3	2	...	...	...	...	...	...
Spain	1961/62	85 469	299 018	...	...	...	...	22 375	17 302	...
Yugoslavia	1960	21 625	7 627	...	...	...	...	104 041	23 422	...
NORTH AND CENTRAL AMERICA		...	6 829 413	...	...	...	...	...	556 281	...
Antigua and Barbuda	1960/61	...	684	340	...	...	...	...	...	...
Barbados	1960/61	...	1	1	...	...	...	...	...	...
Canada	1961	...	...	...	...	...	...	7 639	56 509	...
Costa Rica	1962/63	56	3 176	2 046	...	...	...	1 631	1 451	1 320
Dominican Republic	1959/60	...	4 116	6 210	...	...	...	17 402	7 404	26 615
El Salvador	1960/61	1 631	45 018	29 931	...	...	...	...	...	...
Jamaica	1961	...	...	...	...	...	...	...	428	203
Mexico	1959/60	...	752 156	291 253	...	...	...	...	33 948	37 337
Nicaragua	1962/63	3 676	95 836	55 779	...	...	...	225	481	601
Panama	1960/61	...	...	...	...	...	...	1 174	754	1 202
Puerto Rico	1958/59	71	162	134	...	...	...	8 330	6 810	8 808
United States	1959	509 540	5 928 264	856 722	...	...	...	416 634	448 496	746 842
SOUTH AMERICA		...	881 372	...	...	1 465	...	...	84 970	...
Argentina	1959/60	44 511	558 028	...	...	287	...	12 262	37 490	...
Chile	1964/65	...	...	...	...	...	...	383	1 866	3 720
Colombia	1959	...	...	...	...	...	...	19 473	23 307	41 847
Paraguay	1960/61	40 900	35 451	7 832	...	...	...	19 135	10 015	13 435
Peru	1960/61	18 815	243 276	93 238	747	1 178	834	...	...	...
Uruguay	1961	249	658	141	...	...	...	184	251	237
Venezuela	1960/61	11 738	43 959	5 998	...	...	...	7 366	12 041	11 545
ASIA		...	9 514 378	...	...	1 254 478	...	...	1 053 983	...
Brunei	1961/62	209	143	...	...	...	...	23 325	5 382	...
Ceylon	1960	8 623	3 563	...	27 596	7 932	...	10 761	6 422	...
China (Taiwan)	1960/61	...	17 295 000	1625 000	...	1682 000	1816 000	...	1408 000	1292 000
India	1962/63	...	...	...	...	...	...	...	184 774	...
Indonesia	1960	220 804	295 150	110 700	16 561	5 588	5 646	53 321	27 558	16 222
Iran	1957/58	...	51 766	6 830	...	...	...	...	23 859	12 289
Iraq	1959/60	18 905	416	269	...	375	681	329 608	61 468	128 536
Japan	1960	428 227	23 190	...	...	...	...	...	...	...
Korea, Rep. of	1961/62	...	...	...	...	...	...	12 805	3 799	...
Lebanon	1961/62	...	...	...	...	...	...	...	...	...
Malaya, Fed. of ...	1959/60	...	...	...	...	...	...	7 010	1 604	2 044
North Borneo	1960/61	...	...	...	...	...	...	1 537	714	...
Pakistan	1959/60	1 169 192	1 352 593	...	2 728 880	527 910	...	...	...	...
Philippines	1959/60	...	...	...	...	...	...	...	86 491	40 464
Sarawak	1959/60	...	...	...	...	...	...	1 361	417	...
Thailand	1962/63	124 343	39 175	5 148	70 783	30 673	20 066	305 669	41 282	99 215
Turkey	1963	183 296	452 697	117 777	...	...	...	323 723	190 461	128 724
Viet-Nam, Rep. of ..	1960	...	685	145	...	...	...	...	11 752	8 871

TABLE 5.8 - COTTON, JUTE, AND TOBACCO (for specification of area reported, see Table 5.1) (concluded)

	Year to which data relate	Cotton			Jute			Tobacco		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
AFRICA		...	1 569 194	...	...	...	...	...	153 529	...
Central African Republic	1960	...	137 100	...	...	...	...	...	1 400	...
Kenya	1964	...	15 216	...	...	...	...	...	202	...
Libya	1959/60	...	...	...	...	...	...	1 998	1 270	770
Madagascar	1961/62	...	...	...	...	...	...	...	9 000	...
Mali	1960	...	48 210	...	...	...	...	...	3 797	...
Portuguese Guinea ..	1960	...	346	15	...	...	...	...	...	...
Seychelles	1960	...	...	...	...	...	...	97	21	...
South Africa	1959/60	...	...	...	...	...	...	...	43 801	26 396
Southern Rhodesia ..	1959/60	...	813	339	...	...	...	...	80 799	94 465
South West Africa ..	1959/60	...	...	...	...	...	...	...	203	225
Tanganyika (commercial holdings only)	1960	...	55	...	...	...	...	...	2 675	...
Togo	1961/62	...	46 494	2 386	...	...	...	...	3 850	1 666
Uganda	1963/64	738 000	497 764	...	...	...	...	...	...	...
United Arab Republic	1961	1 188 648	823 164	...	...	...	...	...	...	...
Zambia (European holdings)	1959/60	...	32	10	...	...	...	276	6 511	6 025
OCEANIA		...	8 190	...	...	...	...	...	7 954	8 649
American Samoa ...	1959	111	4	...	...	...	...	...	...	...
Australia	1959/60	531	8 186	2 557	...	...	...	1 124	7 954	8 649
TOTAL		...	19 109 195	...	...	1 255 943	...	...	1 904 647	...

¹ Official estimates, not census figures.

TABLE 5.9 - SOYBEANS, EDIBLE DRY BEANS, AND EDIBLE DRY PEAS (for specification of area reported, see Table 5.1)

	Year to which data relate	Soybeans			Edible dry beans			Edible dry peas		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	12 344	...	...	262 699	...	...	80 456	...
Belgium	1959	...	...	...	...	395	758	...	7 179	23 183
Finland	1959/60	...	...	...	...	...	...	19 284	5 423	6 800
Ireland	1960	...	...	...	...	...	...	...	1 877	...
Malta and Gozo	1959/60	...	...	...	...	...	146	...	...	...
Netherlands	1959	...	...	...	6 424	3 735	...	...	10 311	...
Norway	1959	...	...	...	...	...	...	273	169	...
Spain	1961/62	...	...	...	667 740	246 851	...	59 604	25 326	...
Sweden	1961	...	...	...	...	...	...	...	9 677	...
United Kingdom	1960	...	...	...	...	...	...	...	19 020	46 738
Yugoslavia	1960	10 646	12 344	...	237 368	11 718	...	...	1 474	...
NORTH AND CENTRAL AMERICA		...	9 021 378	...	...	820 736	...	...	37 106	...
Antigua and Barbuda	1960/61	...	...	...	...	42	121	...	...	...
Barbados	1960/61	...	...	...	...	254	1208	...	...	...
Canada	1961	7 508	86 106	...	3 657	27 675	...	2 338	26 975	...
Costa Rica	1962/63	...	...	...	26 910	43 830	15 961	...	...	...
Dominican Republic	1959/60	...	...	...	...	16 359	27 056	...	58	82
El Salvador	1960/61	...	...	...	...	30 338	8 077	...	...	...
Jamaica	1961	...	...	...	...	...	...	...	25 987	21 948
Mexico	1959/60	...	...	...	...	68 695	661 680	...	4 086	4 355
Nicaragua	1962/63	...	...	...	37 094	39 890	24 025	...	...	...
Panama	1960/61	...	...	...	35 641	19 040	11 467	...	...	...
Puerto Rico	1958/59	...	...	...	5 851	2 329	1 237	...	...	...
United States	1959	499 710	8 935 272	14 033 330	...	572 283	865 802	...	...	...
Virgin Islands (U. S.)	1959	...	...	...	12	1	1	...	...	...
SOUTH AMERICA		...	4 288	...	...	390 940	...	...	109 812	...
Argentina	1959/60	1 111	2 023	...	5 812	25 904	...	1 988	14 513	...
Chile	1964/65	1	1	1	50 574	58 446	58 896	6 898	7 258	5 275
Colombia	1959	...	...	...	86 662	115 927	70 395	32 266	31 643	12 689
Paraguay	1960/61	2 372	2 122	2 365	86 403	52 574	36 651	5 455	3 360	1 865
Peru	1960/61	...	...	...	...	37 084	...	...	39 139	...
Surinam	1958/59	545	142	101	...	...	...	...	...	...
Uruguay	1961	...	...	...	11 848	5 851	3 756	3 344	1 124	1 524
Venezuela	1960/61	...	...	...	72 241	95 154	34 106	8 462	12 775	3 338
ASIA		...	1 046 683	...	...	398 764	...	...	58 737	...
Brunei	1963/64	...	...	...	77	6	48	...	...	...
China (Taiwan)	1960	75 545	39 224	...	...	...	...	...	...	...
Indonesia	1962/63	1 029 482	410 067	...	...	...	...	...	...	...
Iraq	1957/58	...	...	...	...	...	...	...	...	...
Japan	1959/60	3 215 338	336 841	424 011	2 665 962	244 599	303 852	353 370	12 042	17 313
Korea, Rep. of	1960	1 676 938	233 511	173 628	867 457	41 946	19 778	...	...	...
Lebanon	1961/62	...	...	...	1 035	595	...	...	...	...
North Borneo	1960/61	116	43	...	...	...	...	...	...	...
Sarawak	1959/60	420	70	...	...	...	...	...	...	...
Thailand	1962/63	34 944	21 848	14 669	...	...	...	...	...	...
Turkey	1963	...	...	...	374 957	111 618	147 891	...	42 033	32 586
Viet-Nam, Rep. of	1960	...	5 079	3 340	...	...	...	...	...	...
AFRICA		...	10 443	...	...	584 910	...	...	24 861	...
Kenya	1960/61	...	...	...	...	1769	...	...	...	...
Lesotho	1960/61	...	...	...	8 864	5 026	1 366	...	16 870	312 024
Libya	1959/60	...	...	...	395	927	299	518	219	103
Madagascar	1961/62	...	...	...	...	23 000	...	...	...	...
Mali	1960	...	...	...	...	2 360	...	...	...	...
Portuguese Guinea	1960	...	...	...	...	2 974	1 544	...	...	...
South Africa	1959/60	...	8 400	2 121	...	135 162	50 859	...	7 764	7 900
Southern Rhodesia	1959/60	...	...	...	...	1 878	699	...	...	...
South West Africa	1959/60	...	4	1	23	63	112	...	8	8
Tanganyika	1960	...	2 039	...	...	...	...	...	...	...
Togo	1961/62	...	...	...	...	104 380	26 272	...	...	...
Uganda	1963/64	...	...	...	559 400	308 371	...	...	...	...
OCEANIA		...	519	...	...	911	...	...	12 786	...
Australia	1959/60	...	519	476	...	911	458	...	1 305	2 128
New Zealand	1959/60	...	...	...	...	...	...	...	11 481	25 141
TOTAL		...	10 095 655	...	...	2 458 960	...	...	323 758	...

¹ Includes dry peas. — ² Includes dry beans. — ³ Includes green peas.

TABLE 5.10 - COCOYAMS, YAMS AND GROUNDNUTS (for specification of area reported, see Table 5.1)

	Year to which data relate	Cocoyams and yams			Groundnuts (in shell)		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
NORTH AND CENTRAL AMERICA		...	13 299	...	...	670 595	...
Antigua and Barbuda	1960/61	...	49	168	...	...	...
Barbados	1960/61	...	963	6 507	...	...	...
Costa Rica	1962/63	...	...	...	295	291	259
Dominican Republic	1959/60	...	13 569	23 884	...	37 164	63 445
Jamaica	1961	...	...	42 918	...	452	...
Mexico	1959/60	...	...	...	...	38 390	42 037
Nicaragua	1962/63	...	...	...	73	94	131
Panama	1960/61	36 795	1 999	...	...	...	...
Puerto Rico	1958/59	...	6 521	20 440	57	40	32
United States	1959	...	186	4 918	104 331	594 164	...
Virgin Islands (U.K.)	1960/61	96	1	14	...	...	...
Virgin Islands (U.S.)	1960	...	11	13	...	...	...
SOUTH AMERICA		...	20 217	...	...	256 460	...
Argentina	1959/60	...	...	...	8 581	221 438	...
Chile	1964/65	...	...	...	582	867	...
Paraguay	1960/61	...	...	...	42 575	25 852	24 527
Peru	1960/61	855	586	363	...	...	...
Surinam	1958/59	...	...	...	934	328	325
Uruguay	1961	...	...	...	2 335	6 845	6 924
Venezuela	1960/61	24 706	19 631	47 784	1 035	1 130	569
ASIA		...	38 115	...	...	6 837 396	...
Brunei	1963/64	168	16	46	...	...	...
Ceylon	1961/62	...	...	...	2 504	643	...
China (Taiwan)	1960	...	...	...	163 754	74 330	...
India	1959/60	...	...	...	...	26 442 000	24 562 000
Indonesia	1962/63	...	...	...	694 346	197 695	...
Japan	1959/60	2 770 512	38 099	...	465 784	42 739	93 530
Malaya, Fed. of	1959/60	...	...	...	1 992	383	...
North Borneo	1960/61	...	...	...	602	169	...
Pakistan	1959/60	...	...	...	51 820	12 225	...
Sarawak	1959/60	...	...	...	204	21	...
Thailand	1962/63	...	...	...	154 669	46 626	37 886
Turkey	1963	...	...	...	7 058	2 178	6 082
Viet-Nam, Rep. of	1960	...	...	...	...	18 387	16 876
AFRICA		...	131 553	...	...	1 442 890	...
Central African Republic ..	1960	...	111 000	...	...	49 500	...
Kenya	1960/61	...	31 160	...	...	8 174	...
Libya	1959/60	...	...	...	3 447	5 162	7 950
Madagascar	1961/62	...	4 000	...	...	21 000	...
Mali	1960	...	...	...	...	130 673	...
Portuguese Guinea	1960	...	...	...	...	26 069	41 766
Senegal	1960/61	...	...	...	...	692 148	...
Seychelles	1960	1136	128	...	...	...	...
South Africa	1959/60	...	...	...	...	284 270	197 909
Southern Rhodesia	1959/60	...	...	...	...	2 347	1 280
South West Africa	1959/60	...	...	...	...	1 595	174
Tanganyika	1960	...	...	...	...	1 580	...
Togo	1961/62	...	84 485	409 291	...	47 520	20 141
Uganda	1963/64	...	...	...	567 200	153 781	...
United Arab Republic	1961	4 546	880	...	29 140	18 763	...
Zambia	1959/60	...	...	...	...	308	3106
OCEANIA		...	329	...	...	17 309	...
American Samoa	1959	2 022	255	...	...	...	...
Australia	1959/60	...	...	...	1 088	17 309	19 064
Guam	1959	802	74	121	...	...	...
TOTAL		...	203 513	...	...	9 224 650	...

¹ Includes sweet potatoes. — ² Official estimates, not census figures. — ³ Shelled.

TABLE 5.11 - POTATOES, MANIOC AND SWEET POTATOES (for specification of area reported, see Table 5.1)

	Year to which data relate	Potatoes			Manioc			Sweet potatoes		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	5 539 514	...	...	...	...	...	3 143	...
Austria	1960	327 645	160 802	...	...	...	...	...	...	...
Belgium	1959	194 890	71 272	1 357 064	...	...	...	...	...	...
Denmark	1959	103 717	87 063	1 730 622	...	...	...	...	...	...
Finland	1959/60	319 401	85 459	1 078 855	...	...	...	...	...	...
Germany, Fed. Rep. of	1960	...	971 376	...	...	...	...	...	...	...
Ireland	1960	221 746	94 519	1 828 890	...	...	...	...	...	...
Malta and Gozo	1959/60	3 159	3 159	26 727	...	...	...	...	...	...
Netherlands	1959	...	145 570	...	...	...	...	...	...	...
Norway	1959	234 332	55 248	...	...	...	...	...	...	...
Poland	1960	...	2 876 392	...	...	...	...	...	...	...
Spain	1961/62	1 460 694	382 728	...	...	...	...	10 734	3 143	...
Sweden	1961	...	95 766	...	...	...	...	...	...	...
United Kingdom	1960	...	335 480	7 272 886	...	...	...	...	...	...
Yugoslavia	1960	1 704 061	174 680	...	...	...	...	...	...	...
NORTH AND CENTRAL AMERICA		...	645 288	...	...	67 064	...	...	130 197	...
Antigua and Barbuda	1960/61	...	...	...	...	...	...	...	207	371
Barbados	1960/61	...	...	...	...	...	...	...	1 275	6 384
Canada	1961	217 153	123 722	...	...	...	...	...	...	...
Costa Rica	1962/63	748	1 734	16 664	4 773	2 292	6 299	309	124	427
Dominican Republic	1959/60	...	810	6 234	...	58 211	180 780	...	19 988	86 485
Jamaica	1961	...	...	...	...	...	9 347	...	7 157	8 797
Mexico	1959/60	...	32 818	156 916	...	...	...	...	9 848	50 574
Panama	1960/61	337	414	9 373	59 811	6 059	...	...	...	...
Puerto Rico	1958/59	...	...	...	2 340	501	1 111	8 997	3 154	7 215
United States	1959	684 853	485 790	10 167 003	...	...	...	310 542	88 407	733 088
Virgin Islands (U.K.)	1960/61	...	...	...	...	...	...	209	19	47
Virgin Islands (U.S.)	1959	...	...	...	24	1	1	57	18	20
SOUTH AMERICA		...	608 856	...	...	424 559	...	...	84 618	...
Argentina	1959/60	29 145	168 739	...	22 688	18 775	...	26 158	35 158	...
Chile	1964/65	103 628	91 074	703 266	...	...	...	...	...	...
Colombia	1959	108 404	123 652	1 138 435	255 221	217 345	912 207	...	...	...
Paraguay	1960/61	2 531	1 393	5 054	147 003	112 080	1 510 510	39 084	14 066	120 108
Peru	1960/61	291 142	185 689	712 647	58 782	44 175	192 073	15 180	16 239	70 834
Surinam	1958/59	...	...	...	2 333	290	2 332	407	35	335
Uruguay	1961	26 035	115 755	88 421	...	...	...	33 219	15 361	86 571
Venezuela	1960/61	11 314	22 554	91 945	72 364	31 894	138 997	7 110	3 759	9 320
ASIA		...	731 633	...	...	1 728 125	...	...	1 314 980	...
Brunei	1963/64	...	...	...	461	82	128	518	5	21
Ceylon	1961/62	2 297	242	...	109 718	17 315	...	29 897	2 663	...
China (Taiwan)	1960	...	...	...	24 495	10 571	...	584 689	284 338	...
India	1959/60	...	2 362 000	2 733 000	...	2 272 000	2 194 000	...	2 201 000	2 130 000
Indonesia	1962/63	99 749	25 116	...	4 423 879	1 227 141	...	988 905	188 955	...
Iran	1960	...	20 110	98 321	...	...	...	...	...	...
Iraq	1957/58	...	151	...	...	...	...	...	...	...
Japan	1959/60	4 246 360	200 683	3 258 122	...	...	...	3 896 269	361 780	6 280 260
Korea, Rep. of	1960	1 024 739	45 480	...	...	...	...	1 230 468	78 339	...
Lebanon	1961/62	5 255	2 065	...	...	...	...	...	...	...
Malaya, Fed. of ...	1959/60	...	...	...	26 821	8 061	103 032	13 096	1 836	8 588
North Borneo	1960/61	331	22	...	5 227	1 285	...	2 066	434	...
Pakistan	1959/60	...	75 764	...	...	...	...	...	47 746	...
Philippines	1959/60	...	...	...	288 434	68 254	293 401	368 965	113 173	439 154
Sarawak	1959/60	...	...	...	11 069	1 781	...	271	76	...
Thailand	1962/63	...	...	...	57 748	80 651	945 363	...	...	...
Viet-Nam, Rep. of ...	1960	...	...	...	...	40 984	286 725	...	34 635	217 892

TABLE 5.11 - POTATOES, MANIOC AND SWEET POTATOES (for specification of area reported, see Table 5.1) (concluded)

	Year to which data relate	Potatoes			Manioc			Sweet potatoes		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
AFRICA		...	135 140	...	...	734 716	...	...	195 249	...
Central African Republic	1960	...	...	...	...	245 400	...	...	11 000	...
Kenya	1960/61	...	53 367	184 399	...	88 342	...	...	55 036	...
Libya	1959/60	...	975	3 523	...	...	...	...	...	...
Madagascar	1961/62	...	7 000	...	...	124 000	...	...	29 000	...
Portuguese Guinea ..	1960	...	...	...	...	6 220	38 534	...	...	...
Senegal	1960/61	...	...	...	...	5 970	...	...	54	...
Seychelles	1960	...	...	...	191	57	...	136	128	...
South Africa	1959/60	...	52 289	319 676	...	...	...	...	7 751	40 013
Southern Rhodesia ..	1959/60	...	2 303	20 629	...	...	...	...	154	544
South West Africa...	1959/60	57	72	473	...	...	...	...	15	45
Tanganyika (commercial holdings only)	1960	...	61	...	...	109	...	...	...	...
Togo	1961/62	...	...	...	...	95 055	690 283	...	2 679	5 260
Uganda	1963/64	...	...	...	524 600	169 563	...	645 600	85 389	...
United Arab Republic	1961	...	18 656	...	...	...	...	12 232	4 143	...
Zambia (European holdings)	1959/60	...	417	3 211	...	...	...	...	...	...
OCEANIA		...	52 533	...	...	24	...	...	232	...
American Samoa ...	1959	...	...	...	123	...	...	341	1	...
Australia	1959/60	11 497	43 869	588 503	...	...	...	...	207	1 509
Guam	1959	...	...	...	244	24	43	160	24	31
New Zealand	1959/60	...	8 664	159 324	...	...	...	...	...	...
TOTAL		...	7 712 964	...	...	2 954 488	...	...	1 728 419	...

¹ Includes cocoyams and yams. — ² Official estimate, not census figures.

TABLE 5.12 - SUGARCANE AND SUGAR BEETS (for specification of area reported, see Table 5.1)

	Year to which data relate	Sugarcane			Sugar beets		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	4 253	...	...	1 445 440	...
Austria	1960	...	...	...	39 245	43 164	...
Belgium	1959	...	...	...	39 757	63 747	1 474 057
Denmark	1959	...	...	...	24 658	55 247	1 593 313
Finland	1959/60	...	...	...	27 983	14 504	257 100
Germany, Fed. Rep. of	1960	...	...	...	187 564	286 084	...
Ireland	1960	...	...	...	24 898	27 633	951 023
Netherlands	1959	...	...	...	59 996	92 981	...
Poland	1960	...	...	...	...	400 810	...
Spain	1961/62	3 886	4 253	...	152 839	165 949	...
Sweden	1961	...	...	...	...	50 043	...
United Kingdom	1960	...	...	...	35 960	176 360	7 330 801
Yugoslavia	1960	...	...	...	121 734	68 918	...
NORTH AND CENTRAL AMERICA		...	969 913	...	...	406 673	...
Antigua and Barbuda	1960/61	...	5 092	178 716	...	...	...
Barbados	1960/61	...	17 505	1 343 234	...	...	...
Canada	1961	...	...	...	4 034	37 687	...
Costa Rica	1962/63	16 356	34 545	1 083 783	...	...	...
Dominican Republic	1959/60	...	192 485	11 972 813	...	...	...
El Salvador	1960/61	10 979	16 331	994 698	...	...	...
Jamaica	1961	...	72 628	4 411 276	...	...	...
Mexico	1959/60	...	301 577	12 851 604	...	...	...
Nicaragua	1962/63	4 616	20 525	930 457	...	...	...
Panama	1960/61	20 368	16 312	634 455	...	...	...
Puerto Rico	1958/59	9 804	126 129	9 212 536	...	...	...
United States	1959	3 079	165 273	15 029 984	23 743	368 986	15 260 300
Virgin Islands (U.K.)	1960/61	93	23	775	...	...	...
Virgin Islands (U.S.)	1959	144	1 488	94 837	...	...	...
SOUTH AMERICA		...	516 845	...	...	26 548	...
Argentina	1959/60	17 120	...	...	...	27	...
Chile	1964/65	1	...	...	2 810	17 957	...
Colombia	1959	223 076	344 142	14 821 805	...	...	...
Paraguay	1960/61	28 080	28 664	863 105	...	...	...
Peru	1960/61	15 419	62 365	6 293 236	...	...	...
Surinam	1958/59	118	1 325	128 151	...	...	...
Uruguay	1961	67	3 747	105 102	2 786	8 564	155 214
Venezuela	1960/61	34 356	76 601	3 221 570	...	...	...
ASIA		...	3 150 240	...	...	183 475	...
Ceylon	1961/62	168 677	2 754	...	...	...	...
China (Taiwan)	1960	146 205	86 062	...	...	...	...
India	1959/60	...	12 137 000	...	...	...	...
Indonesia	1962/63	127 760	117 329	...	...	...	...
Iran	1960	1 071	62	...	49 817	46 234	706 804
Iraq	1957/58	...	...	...	...	242	...
Japan	1959/60	64 076	6 732	195 319	...	39 679	994 105
Malaya, Fed. of	1959/60	50 714	...	...	...	...	...
Pakistan	1959/60	1 579 300	520 190	...	...	...	...
Philippines	1959/60	53 102	176 324	9 349 065	...	...	...
Thailand	1962/63	64 775	69 307	1 689 588	...	...	...
Turkey	1963	...	...	...	159 771	97 320	2 602 054
Viet-Nam, Rep. of	1960	...	41 284	1 315 976	...	...	...

TABLE 5.12 - SUGARCANE AND SUGAR BEETS (for specification of area reported, see Table 5.1) (concluded)

	Year to which data relate	Sugarcane			Sugar beets		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
AFRICA		...	374 002	...	...	...	...
Kenya	1960/61	...	41 359	...	...	...	...
Madagascar	1961/62	...	8 000	...	...	...	...
Portuguese Guinea	1960	...	1 181	16 462	...	...	...
Seychelles	1960	175	40	...	...	...	...
South Africa	1959/60	...	229 329	7 813 942	...	...	...
Southern Rhodesia	1959/60	...	3 735	258 093	...	...	...
Tanganyika	1960	...	7 026	...	...	...	...
Togo	1961/62	...	474	1 205	...	...	...
Uganda	1963/64	...	17 523	² 123 958	...	...	...
United Arab Republic	1961	88 323	65 335	...	...	...	...
OCEANIA		...	197 131	...	...	...	...
American Samoa	1959	987	38	...	...	...	...
Australia	1959/60	7 273	197 093	9 146 744	...	...	...
TOTAL		...	5 212 384	...	...	2 062 136	...

¹ Official estimates, not census figures. — ² In terms of sugar.

TABLE 5.13 - LINSEED (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)		Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	1 116	...	ASIA		...	30 082	..
Belgium	1959	...	...	12 050	Iraq	1957/58	...	18 421	6 656
Denmark	1959	...	1 116	...	Turkey	1963	22 286	11 661	5 507
NORTH AND CENTRAL AMERICA		...	1 173 197	...	AFRICA		...	405	...
Mexico	1959/60	...	20 572	20 712	Kenya	1960/61	...	405	...
United States ..	1959	48 510	1 152 625	497 789	OCEANIA		...	40 263	...
SOUTH AMERICA		...	1 006 578	...	Australia	1959/60	...	40 263	27 229
Argentina	1959/60	29 146	1 004 790	...	TOTAL		...	2 251 641	...
Chile	1964/65	449	1 788	1 338					

TABLE 5.14 - SUNFLOWER SEED (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)		Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	54 546	...	AFRICA		...	181 562	...
Yugoslavia	1960	121 436	54 546	...	Kenya	1960/61	...	5 301	2 439
NORTH AND CENTRAL AMERICA		...	25 685	...	South Africa ...	1959/60	...	172 592	71 580
Canada	1961	946	15 272	...	Southern Rhodesia (European holdings only)	1959/60	...	2 173	1 038
United States ..	1959	627	10 413	9 041	South West Africa	1959/60	27	208	49
SOUTH AMERICA		...	1 038 167	...	Tanganyika	1960	...	1 165	...
Argentina	1959/60	30 339	908 181	...	United Arab Republic	1961	385	123	...
Paraguay	1960/61	224	118	83	OCEANIA		...	4 139	...
Uruguay	1961	...	129 868	58 137	Australia	1959/60	...	4 139	2 837
ASIA		...	104 506	...	TOTAL		...	1 408 605	...
Turkey	1963	116 026	104 506	66 809					

TABLE 5.15 - SESAME SEED (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)		Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
NORTH AND CENTRAL AMERICA		...	228 437	...	Japan	1959/60	399 584	8 271	4 860
Costa Rica	1962/63	67	137	64	Thailand	1962/63	53 492	17 908	5 953
Mexico	1959/60	2 799	221 226	142 376	Turkey	1963	106 625	58 233	22 981
Nicaragua	1962/63	360	6 793	3 342	AFRICA		...	160 643	...
Panama	1960/61		281	390	Central African Republic	1960	...	31 400	...
SOUTH AMERICA		...	112 058	...	Kenya	1960/61	...	3 157	...
Colombia	1959	14 851	50 719	32 216	Portuguese Guinea	1960	...	549	184
Venezuela	1960/61	3 858	61 339	27 358	Tanganyika	1960	...	418	...
ASIA		...	118 302	...	Uganda	1963/64	180 800	104 004	...
Ceylon	1961/62	16 883	5 891	...	United Arab Republic	1961	42 831	21 115	...
China (Taiwan)	1960	30 866	12 205	...	TOTAL		...	619 440	...
Iraq	1957/58	...	15 794	7 763					

TABLE 5.16 - RAPESEED (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)		Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	26 825	...	SOUTH AMERICA		...	58 012	...
Belgium	1959	...	80	181	Argentina	1959/60	...	419	...
Denmark	1959	...	5 430	...	Chile	1964/65	4 214	57 593	71 986
Finland	1959/60	8 997	18 694	24 900	ASIA		...	189 500	...
Netherlands	1959	...	2 621	...	China (Taiwan)	1960	6 932	2 331	...
NORTH AND CENTRAL AMERICA		...	287 749	...	Japan	1959/60	1 580 078	187 169	260 555
Canada	1961	12 582	287 749	...	TOTAL		...	562 086	...

TABLE 5.17 - DRY BROAD BEANS AND LENTILS (for specification of area reported, see Table 5.1)

	Year to which data relate	Dry broad beans			Lentils		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	132 369	...	...	78 895	...
Malta and Gozo	1959/60	...	765	911	...	...	...
Netherlands	1959	...	1 813	...	...	...	...
Spain	1961/62	189 713	129 791	...	58 353	78 895	...
NORTH AND CENTRAL AMERICA		...	20 718	...	...	18 641	...
Dominican Republic	1959/60	...	1 606	3 402	...	...	...
Mexico	1959/60	...	19 112	12 534	...	2 455	1 715
United States	1959	...	...	...	489	16 186	12 328
SOUTH AMERICA		...	34 417	...	...	38 955	...
Argentina	1959/60	3 671	1 422	...	1 226	8 049	...
Chile	1964/65	...	...	...	9 222	24 077	9 330
Paraguay	1960/61	9	3	1	...	...	...
Peru	1960/61	88 497	32 645	28 588	4 695	6 314	3 416
Uruguay	1961	3 212	347	887	197	77	29
Venezuela	1960/61	...	...	...	406	438	239
ASIA		...	40 464	...	...	71 713	...
Iraq	1957/58	...	6 764	...	...	5 061	2 359
Japan	1959/60	646 036	19 938	24 079	...	...	...
Lebanon	1961/62	2 500	1 269	...	7 574	3 922	...
Turkey	1963	...	12 493	...	137 769	62 730	48 024
AFRICA		...	168 847	...	...	55 811	...
Libya	1959/60	2 424	4 215	695	560	552	57
Morocco	1962	...	1 163 000	1 148 200	...	28 000	17 200
South Africa	1959/60	...	...	...	...	1 065	1 512
South West Africa	1959/60	...	...	...	...	2	1
United Arab Republic	1961	4 631	1 632	...	35 007	26 192	...
TOTAL		...	396 815	...	...	264 015	...

¹ Includes beans harvested green.

TABLE 5.18 - MUSTARD SEED (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)		Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	16 821	...	ASIA		...	305 797	...
Denmark	1959	...	6 081	...	Malaya, Fed. of	1959/60	528	144	1 733
Netherlands	1959	...	188	...	Pakistan (East	1959/60	1 530 610	305 653	...
United Kingdom	1960	...	10 552	...	Pakistan only)				
NORTH AND CEN- TRAL AMERICA		...	65 679	...	OCEANIA		...	641	...
Canada	1961	1 423	48 890	...	Australia	1959/60	...	641	375
United States ..	1959	211	16 789	6 920	TOTAL		...	389 177	...
SOUTH AMERICA		...	239	...					
Argentina	1959/60	...	239	...					

TABLE 5.19 - TOMATOES AND CABBAGES (for specification of area reported, see Table 5.1)

	Year to which data relate	Tomatoes			Cabbages		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	62 205	...	...	88 648	...
Belgium	1959	...	320	...	...	788	...
Denmark	1959	...	22	400	...	1 620	34 200
Finland	1959/60	...	...	...	...	705	...
Malta and Gozo	1959/60	...	641	5 104	...	131	1 273
Netherlands	1959	...	...	...	...	641	...
Norway	1959	...	...	...	...	1 506	...
Spain	1961/62	685 105	56 788	...	776 846	138 880	...
United Kingdom	1960	...	...	3 048	...	39 659	834 177
Yugoslavia	1960	114 320	4 434	...	238 001	14 718	...
NORTH AND CENTRAL AMERICA		...	237 797	...	...	49 021	...
Canada	1961	...	13 992	...	...	2 935	...
Costa Rica	1962/63	388	214	1 615	523	226	1 714
Dominican Republic	1959/60	...	114	2 208	...	81	...
Mexico	1959/60	...	41 645	235 043	...	...	...
Nicaragua	1962/63	401	330	1 384	145	131	216
Panama	1960/61	1 601	812	17 434	339	201	3 963
Puerto Rico	1958/59	1 307	426	1 771	484	168	1 055
United States	1959	67 262	180 260	...	23 084	45 277	...
Virgin Islands (U.S.)	1959	32	4	...	14	2	...
SOUTH AMERICA		...	38 002	...	...	1 232	...
Argentina	1959/60	14 984	19 744	...	...	...	...
Chile	1964/65	4 451	5 230	...	512	621	...
Colombia	1959	4 696	3 276	20 914	...	...	...
Surinam	1958/59	418	102	519	423	60	389
Uruguay	1961	5 870	2 908	20 723	21 939	2500	23 390
Venezuela	1960/61	3 882	6 742	53 679	...	51	...
ASIA		...	27 300	...	...	136 052	...
Ceylon	1961/62	...	...	...	4 559	1 599	...
Iraq	1957/58	...	12 924	...	...	231	...
Japan	1959/60	1 248 097	11 943	...	...	94 844	...
Korea, Rep. of	1960	...	...	...	1 811 906	338 797	...
Lebanon	1961/62	7 884	2 433	...	...	...	...
Malaya, Fed. of	1959/60	...	...	...	742	581	12 591
AFRICA		...	68 042	...	...	14 632	...
Kenya	1960/61	...	486	...	...	...	...
Libya	1959/60	10 635	...	10 132	192	...	114
Senegal	1960/61	...	298	...	...	...	...
South Africa	1959/60	...	11 847	...	...	211 782	...
South West Africa	1959/60	...	55	...	...	248	...
United Arab Republic	1961	...	55 356	...	14 824	2 802	...
OCEANIA		...	6 431	...	...	2 464	...
Australia	1959/60	...	6 420	128 196	...	42 464	469 998
Guam	1959	106	11	14	...	...	...
TOTAL		...	439 777	...	...	292 049	...

¹ Includes kale. — ² Includes cauliflower. — ³ Includes Chinese cabbage. — ⁴ Includes Brussels sprouts.

TABLE 5.20 - GREEN BEANS AND GREEN PEAS (for specification of area reported, see Table 5.1)

	Year to which data relate	Green beans			Green peas		
		Number of holdings reporting	Area (ha)	Production (metric tons)	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	26 698	...	...	59 101	...
Belgium	1959	...	698	...	...	3 169	...
Denmark	1959	...	73	400	...	1 123	6 700
Finland	1959/60	...	24	...	...	104	...
Norway	1959	...	84	...	...	198	...
Spain	1961/62	267 482	15 702	...	123 812	11 611	...
United Kingdom	1960	...	10 117	107 701	...	42 896	217 435
NORTH AND CENTRAL AMERICA		...	104 799	...	...	154 539	...
Canada	1961	...	5 816	...	...	19 285	...
Puerto Rico	1958/59	445	160	247	...	...	...
United States	1959	...	98 823	...	17 864	135 254	...
Virgin Islands (U.S.)	1959	10	...	...	...	...	...
SOUTH AMERICA		...	9 750	...	...	16 895	...
Argentina	1959/60	4 497	3 092	...	7 087	12 854	...
Chile	1964/65	7 087	6 658	...	3 073	4 041	...
ASIA		...	23 803	...	...	103 346	...
Ceylon	1961/62	4 040	1 142	...	...	...	...
Indonesia	1962/63	...	...	...	300 617	84 395	...
Iraq	1957/58	...	12 033	5 569	...	...	...
Japan	1959/60	404 962	9 969	...	921 528	18 951	...
Lebanon	1961/62	3 833	659	...	...	...	...
AFRICA		...	22 289	...	...	33 134	...
Libya	1959/60	303	...	97	221	...	93
Morocco	1961/62	...	10 000	6 600	...	15 000	9 700
South Africa	1959/60	...	9 505	...	...	13 360	...
South West Africa	1959/60	...	22	...	...	9	...
United Arab Republic	1961	...	12 762	...	217 991	24 765	...
OCEANIA		...	6 792	...	...	18 263	...
Australia	1959/60	...	6 764	26 953	...	18 263	55 181
Guam	1959	240	28	23	...	...	...
TOTAL		...	194 131	...	...	385 278	...

¹ Includes edible dry beans. — ² Includes edible dry peas.

TABLE 5.21 - CASTOR BEANS (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)		Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	4 979	...	ASIA		...	36 615	...
Yugoslavia	1960	9 979	4 979	...	Thailand	1962/63	52 804	36 615	17 131
NORTH AND CENTRAL AMERICA		...	8 990	...	AFRICA		...	42 880	...
Mexico	1959/60	...	1 866	1 613	Kenya	1960/61	...	28 004	...
United States ..	1959	159	7 124	12 636	Libya	1959/60	3 041	5 218	1 388
					South Africa ...	1959/60	...	8 975	4 062
					Southern Rhodesia	1959/60	...	259	...
SOUTH AMERICA		...	24 761	...	South West Africa	1959/60	...	160	8
Argentina	1959/60	2 373	16 403	...	Tanganyika	1960	...	264	...
Paraguay	1960/61	10 013	8 358	8 898	TOTAL		...	118 225	...

TABLE 5.22 - POPPY SEED (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)		Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	9 757	...	ASIA		...	41 591	...
Netherlands	1959	...	5 375	...	Turkey	1963	153 220	41 591	27 873
Yugoslavia	1960	...	4 382	...	TOTAL		...	52 910	...
SOUTH AMERICA		...	1 562	...					
Argentina	1959/60	141	1 562	...					

TABLE 5.23 - HOPS (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	21 148	...
Belgium	1959	...	657	1 129
Germany, Fed. Rep. of	1960	19 815	8 329	...
United Kingdom	1960	...	8 094	12 193
Yugoslavia	1960	20 143	4 068	...
NORTH AND CENTRAL AMERICA		...	13 407	...
United States ..	1959	426	13 407	24 767

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
SOUTH AMERICA		...	369	...
Argentina	1959/60	...	369	...
OCEANIA		...	780	...
Australia	1959/60	131	780	1 615
TOTAL		...	35 704	...

TABLE 5.24 - CHICORY FOR COFFEE (for specification of area reported, see Table 5.1)

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
EUROPE		...	1 390	...
Belgium	1959	...	1 278	...
Denmark	1959	...	112	...

	Year to which data relate	Number of holdings reporting	Area (ha)	Production (metric tons)
AFRICA		...	6 393	...
South Africa ...	1959/60	...	6 393	24 266
TOTAL		...	7 783	...

TABLE 5.25 - GRAPES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of vines			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE			4 071 985				
Austria	1960	72 068	33 259	...	...	...	...
France	1963	848 180	1 241 200	...	...	...	...
Germany, Fed. Rep. of ...	1960	120 963	65 663	...	...	...	...
Greece	1961	536 499	236 542	...	...	...	...
Italy	1960/61	1 427 409	1 031 208	...	...	...	...
Malta and Gozo	1959/60	...	1 039	3 772 550	...	...	3 078
Spain	1961/62	771 622	1 241 956	...	...	...	...
Yugoslavia	1960	...	221 118	1 372 443 018	...	...	...
NORTH AND CENTRAL AMERICA		...	26 079	...	...	...	...
Canada	1961	2 580	9 235	...	...	...	...
Dominican Republic	1959/60	...	...	22 223	...	...	2
Mexico	1959/60	...	16 844	20 999 764	...	...	62 632
United States	1959	111 541	...	272 067 767	...	...	2 740 794
SOUTH AMERICA		...	394 274	...	...	...	...
Argentina	1959/60	42 958	257 708	774 915 100	...	...	...
Chile	1964/65	21 316	111 578	...	...	...	...
Paraguay	1960/61	44 116	...	2 798 510	...	...	9 852
Peru	1960/61	5 164	6 085	32 465 800	30 465 000	2 000 800	24 260
Uruguay	1961	12 149	18 899	82 132 198	...	...	114 657
Venezuela	1960/61	36	14	9 882	...	...	4
ASIA		...	498 897	...	...	...	...
Iran	1960	318 389	81 587	...	...	...	2335 398
Japan	1959/60	93 807	15 208	...	...	71 714	...
Korea, Rep. of	1960	3 682	989	1 069 941	...	698 731	...
Lebanon	1961/62	44 069	12 633	13 442 593	13 373 154	69 439	...
Turkey	1963	...	388 480	746 469 837	...	...	1 408 278
AFRICA		...	41 323	...	...	...	...
Libya	1959/60	17 276	8 871	10 081 500	8 670 100	1 411 400	8 421
Morocco	1961/62	...	25 000	37 000 000	12 000 000	25 000 000	120 000
South Africa	1959/60	...	...	207 439 346	...	...	...
South West Africa	1959/60	...	...	15 330	...	...	...
United Arab Republic	1961	7 951	7 452	7 660 789	7 514 822	145 967	...
OCEANIA		...	52 711	...	...	...	...
Australia	1959/60	7 792	52 711	...	...	...	451 990
TOTAL		...	5 085 269	...	...	...	...

¹ Vines of productive age only. — ² From vines in compact plantation only.

TABLE 5.26 - COFFEE

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	875 473	...	...	...	...
Barbados	1960/61	...	...	1 095	...	1 095	...
Costa Rica	1962/63	29 775	80 300	...	...	...	49 199
Dominican Republic	1959/60	92 614	80 819	...	...	...	20 689
El Salvador	1961	36 035	141 609	...	...	...	103 346
Jamaica	1961	...	...	18 132 403	...	...	1 970
Mexico	1959/60	...	380 984	404 461 149	...	...	134 005
Nicaragua	1962/63	15 793	94 686	132 991 968	...	...	27 807
Panama	1960/61	35 117	24 987	24 987 166	...	...	8 903
Puerto Rico	1958/59	22 963	72 088	...	...	...	13 154
United States	1959	1 357	...	4 032 586	...	...	4 538
Virgin Islands (U.K.)	1960/61	9	...	44	...	...	...
SOUTH AMERICA		...	1 371 511	...	...	...	...
Colombia	1959	429 041	968 319	323 595	...	323 595	509 671
Paraguay	1960/61	11 791	...	7 512 568	...	...	3 521
Peru	1960/61	50 468	91 183	155 892 000	145 892 000	10 000 000	39 756
Surinam	1958/59	913	1 880	...	...	...	500
Venezuela	1960/61	84 762	310 129	692 735 264	...	...	52 292
ASIA		...	407 722	...	...	...	...
Brunei	1963/64	150	8	6 776	...	6 080	1
Ceylon	1961/62	386 607	...	7 371 000	...	...	...
China (Taiwan)	1960	14	...	757	...	557	...
India	1959/60	...	² 111 000	...	...	...	245 500
Indonesia (estates)	1962/63	1 591 224	215 455	373 015 475	...	...	...
Malaya, Fed. of	1959/60	35 035	5 182	14 501	14 501	...	...
North Borneo	1960/61	2 503	1 327	...	...	...	...
Philippines	1959/60	...	65 015	48 536 077	...	...	18 878
Sarawak	1959/60	2 276	514	...	...	...	...
Thailand	1962/63	3 390	454	...	...	...	146
Viet-Nam, Rep. of	1960	...	8 767	...	...	...	22 930
AFRICA		...	533 961	...	...	...	...
Central African Republic ..	1960	...	15 900	...	...	...	...
Kenya	1960/61	...	45 890	...	...	...	...
Madagascar	1961/62	...	116 000	...	...	...	...
Seychelles	1960	60	21	...	...	...	...
Tanganyika	1960	...	9 586	...	...	...	...
Togo	1961/62	...	40 621	...	...	...	14 629
Uganda	1963/64	...	305 943	...	...	...	...
OCEANIA		...	...	...	...	...	...
American Samoa	1959	52	...	1 523	...	...	...
TOTAL		...	3 188 667	...	...	...	...

¹ Trees of productive age only. — ² Official estimates, not census figures.

TABLE 5.27 - OLIVES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	2 800 896	...	...	...	...
Italy	1961	666 089	778 471	...	...	...	...
Spain	1961/62	...	2 013 479	...	...	...	...
Yugoslavia	1960	...	8 946	3 922 057	...	...	...
NORTH AND CENTRAL AMERICA		...	3 082	...	...	...	...
Mexico	1959/60	...	3 082	319 186	...	...	5 230
United States	1959	4 142	...	1 608 367	...	...	47 974
SOUTH AMERICA		...	2 407	...	...	...	...
Argentina	1959/60	20 764	...	¹ 4 665 327	...	...	...
Chile	1964/65	22 583	...	932 760	847 114	85 646	...
Paraguay	1960/61	519	...	72 111	...	...	4 176
Peru	1960/61	761	2 407	241 459	226 459	15 000	10 006
Uruguay	1961	1 872	...	211 314	...	...	1 692
ASIA		...	295 244	...	...	...	...
Iran	1960	1 650	484	103 650	103 050	2 600	863
Iraq	1957/58	...	...	123 392	...	...	193
Lebanon	1961/62	33 623	14 472	3 245 950	3 199 568	46 382	...
Turkey	1963	291 209	280 288	44 821 989	31 319 830	13 502 159	269 194
AFRICA		...	44 515	...	...	...	...
Libya	1959/60	69 534	43 765	3 962 100	1 753 000	2 209 100	32 676
Morocco	1961/62	...	...	12 700 000	...	...	113 000
Senegal	1960/61	...	...	...	...	...	...
South Africa	1959/60	...	...	98 820	...	...	...
South West Africa	1959/60	...	...	25	...	...	...
Tunisia	1961/62	...	...	39 196 000	...	...	...
United Arab Republic	1961	2 832	750	218 722	216 095	2 627	...
OCEANIA		...	2 927	...	...	...	...
Australia	1959/60	...	2 927	310 685	...	...	1 403
TOTAL		...	3 149 071	...	...	...	...

¹ Trees of productive age only. — Trees not of productive age.

TABLE 5.28 - COCONUTS

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	160 374	...	...	...	...
Antigua and Barbuda	1960/61	...	22	12 908	3 766	9 142	...
Barbados	1960/61	...	110	62 482	19 679	42 803	...
Costa Rica	1962/63	4 812	1 780	...	...	92 546	...
Dominican Republic	1959/60	...	...	3 998 715	...	...	...
Jamaica	1961	...	...	6 688 936	...	...	...
Mexico	1959/60	...	151 139	14 957 934	...	...	739 245
Nicaragua	1962/63	1 798	...	411 128	...	...	...
Panama	1960/61	41 194	3 206	1 282 384	...	...	...
Puerto Rico	1958/59	9 188	4 117	612 743	...	...	...
United States	1959	94	...	12 868	...	...	70
Virgin Islands (U.K.)	1960/61	376	...	6 533	...	...	...
Virgin Islands (U.S.)	1959	191	...	5 552	...	...	...
SOUTH AMERICA		...	29 182	...	...	...	...
Paraguay	1960/61	96 888	...	23 813 848	...	...	...
Surinam	1958/59	6 011	1 631	...	...	...	...
Venezuela	1960/61	16 308	27 551	4 703 289	...	...	47 851
ASIA		...	2 883 216	...	...	...	...
Brunei	1963/64	2 857	335	116 962	94 404	22 558	...
Ceylon	1961/62	...	466 365	...	...	...	...
India	1959/60	...	1715 000	...	...	...	...
Indonesia	1962/63	158	17 443	1 625 065	...	...	...
Malaya, Fed. of	1959/60	282 015	109 145	12 159 765	9 199 698	2 961 967	...
North Borneo	1960/61	12 587	31 903	...	...	...	...
Philippines	1959/60	1 015 247	1 497 004	195 583 757	...	...	...
Sarawak	1959/60	6 427	12 679	...	...	...	...
Thailand	1962/63	1 768 918	33 342	33 417 814	...	...	...
Viet-Nam, Rep. of	1960	...	...	...	...	6 269 916	...
AFRICA		...	15 188	...	...	...	...
Kenya (European and Asian holdings)	1960/61	...	2 226	...	...	...	...
Senegal	1960/61	4	4	...	...	...	...
Seychelles	1960	370	8 405	...	...	...	...
Tanganyika	1960	...	4 553	...	...	...	...
OCEANIA		...	...	...	...	...	...
American Samoa	1959	1 845	...	402 512	...	...	...
New Zealand	1959/60	882	...	...	...	...	505
TOTAL		...	3 087 960	...	...	...	...

¹ Official estimates, not census figures.

TABLE 5.29 - PLANTAINS

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	173 220	...	...	...	...
Antigua and Barbuda	1960/61	...	4	14 150	3 793	10 357	...
Barbados	1960/61	...	...	1 661	137	1 524	...
Costa Rica	1962/63	37 457	17 193	...	...	² 27 532 338	...
Dominican Republic	1959/60	...	71 189	...	...	...	...
Mexico	1959/60	...	45 241	18 169 293	...	...	280 818
Nicaragua	1962/63	...	34 120	...	...	...	...
Panama	1960/61	43 381	9 232	5 770 208	...	...	...
Puerto Rico	1959/60	13 753	6 241	...	...	...	...
United States	1959	530	...	² 10 024	...	...	69
Virgin Islands (U.S.)	1959	26	...	2 085	...	...	...
SOUTH AMERICA		...	566 679	...	...	...	...
Colombia	1959	448 167	408 540	...	...	1 014 975	...
Peru	1960/61	56 902	79 523	67 700 949	51 316 817	16 324 132	477 137
Surinam	1958/59	3 120	410	...	...	...	...
Venezuela	1960/61	36 434	78 206	72 038 313	...	...	620 936
ASIA		...	...	...	...	...	...
Ceylon	1961/62	804 075	...	25 809 000	...	...	...
AFRICA		...	464 175	...	...	...	...
Uganda	1963/64	857 600	464 175	...	...	...	...
OCEANIA		...	...	...	...	...	...
Guam	1959	851	...	² 70 094	...	...	143
TOTAL		...	1 204 074	...	...	...	...

¹ Grown alone. — ² Number of hills.

TABLE 5.30 - RUBBER

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
SOUTH AMERICA		...	3 317	...	...	...	...
Peru	1960/61	78	3 317	1 277 332	1 077 332	200 000	2 601
ASIA		...	2 356 370	...	...	...	...
Brunei	1963/64	2 878	10 650	4 081 323	4 068 665	12 658	2 249
Ceylon	1961/62	...	229 307	...	...	...	...
India	1959/60	...	123 000	...	...	...	23 800
Indonesia (estates)	1962/63	763	531 110	137 999 570	...	...	596 264
Malaya, Fed. of	1959/60	177 718	1 153 535	...	...	...	504 830
North Borneo	1960/61	14 643	75 888	...	...	...	...
Sarawak	1959/60	56 083	134 961	...	...	...	...
Thailand	1962/63	272 329	...	272 887 522	...	...	133 879
Viet-Nam, Rep. of	1960	...	97 919	...	...	...	...
AFRICA		...	156	...	...	...	...
Tanganyika	1960	...	156	...	...	...	...
TOTAL		...	2 359 843	...	...	...	...

¹ Official estimates, not census figures.

TABLE 5.31 - BANANAS

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of plants			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	...	...	...	...	...
Spain	1961/62	16 169	...	15 663 565	...	...	...
NORTH AND CENTRAL AMERICA		...	158 782	...	...	...	...
Antigua and Barbuda	1960/61	...	29	64 753	34 020	30 733	...
Barbados	1960/61	...	5	137 318	17 709	119 609	...
Costa Rica	1962/63	8 816	125 219	...	...	...	...
Dominican Republic	1959/60	...	30 912	...	...	...	...
Jamaica	1961	...	...	² 42 006 818	...	...	302 031
Mexico	1959/60	...	49 230	19 605 673	...	...	343 074
Nicaragua	1962/63	9 678	11 580	...	...	...	...
Panama	1960/61	60 528	28 301	17 687 899	...	...	...
Puerto Rico	1958/59	22 403	13 506	...	...	...	...
United States	1959	1 580	...	² 481 649	...	...	3 548
Virgin Islands (U.K.)	1960/61	308	...	...	...	...	...
Virgin Islands (U.S.)	1959	175	...	29 769	...	...	...
SOUTH AMERICA		...	158 174	...	...	...	...
Argentina	1959/60	5 933	...	³ 1 152 042	...	...	...
Colombia	1959	63 640	55 267	...	...	286 733	...
Paraguay	1959/60	81 298	...	18 621 636	...	...	...
Surinam	1958/59	2 803	351	...	...	...	...
Venezuela	1960/61	107 845	102 556	107 998 192	...	...	1 055 003
ASIA		...	499 526	...	...	...	...
Brunei	1963/64	2 110	66	60 241	25 744	34 497	321
China (Taiwan)	1960	52 229	13 158	15 958 470	15 513 779	444 691	...
India	1959/60	...	⁴ 164 000	...	...	...	42 181 000
Lebanon	1961/62	3 093	3 037	3 330 811	3 306 816	23 995	...
Malaya, Fed. of	1959/60	252 924	4 412	...	...	4 228 111	...
North Borneo	1960/61	6 552	1 401	...	...	...	...
Philippines	1959/60	879 371	186 922	² 76 316 538	...	...	934 549
Sarawak	1959/60	6 445	951	...	...	...	...
Thailand	1962/63	668 579	95 713	...	...	...	...
Turkey	1963	6 008	729	908 994	906 821	2 173	9 264
Viet-Nam, Rep. of	1960	...	29 137	...	...	29 859 770	469 944
AFRICA		...	136 137	...	...	...	...
Central African Republic ..	1960	...	13 800	...	...	...	...
Kenya	1960/61	...	68 149	...	...	...	...
Libya	1959/60	1 247	54	48 800	5 500	43 300	165
Madagascar	1961/62	...	35 000	...	...	...	...
Portuguese Guinea	1960	...	...	4 375 358	...	...	31 428
Senegal	1960/61	...	130	...	...	...	...
Seychelles	1960	254	86	...	...	...	...
South Africa	1959/60	...	8 981	...	...	...	148 888
Togo	1961/62	...	6 380	...	...	...	23 450
United Arab Republic	1961	3 708	3 557	² 1 734 499	² 1 726 086	² 8 413	...
OCEANIA		...	12 832	...	...	...	...
American Samoa	1959	2 076	...	² 970 233	...	...	...
Australia	1959/60	4 181	12 832	...	...	...	124 846
Guam	1959	889	...	² 83 593	...	...	157
TOTAL		...	965 451	...	...	...	...

¹ Grown alone. — ² Number of hills. — ³ Plants of productive age only. — ⁴ Official estimates, not census figures.

TABLE 5.32 - ALMONDS AND WALNUTS

	Year to which data relate	Almonds						Walnuts					
		Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered				Total	In compact plantations	Scattered	
EUROPE		...	891 266	...	...	...	...	...	...	...	...	...	...
Austria	1960	...	...	...	...	...	...	...	...	220 837	...	...	...
Belgium	1959	421 915	891 266	37 705 470	...	...	...	...	...	37 143	...	...	...
Spain	1961/62	...	...	...	...	...	...	990 922	...	4 241 525	...	...	...
Yugoslavia	1960	...	...	...	...	...	...	...	...	...	...	...	...
NORTH AND CENTRAL AMERICA ...		...	...	...	...	...	...	...	1 157	...	...	...	...
Mexico	1959/60	9 382	...	6 048 497	...	...	65 886	...	1 157	133 421	...	...	1 882
United States	1959	...	...	...	...	...	...	...	...	3 507 954	...	...	53 037
SOUTH AMERICA		...	...	...	...	...	...	...	...	...	...	...	...
Argentina	1959/60	7 577	...	345 793	320 993	24 800	...	6 428	...	388 388	201 089	56 721	...
Chile	1964/65	...	...	...	...	...	...	26 651	...	257 810	...	...	...
ASIA		...	33 037	...	...	...	...	...	4 141	...	...	...	...
Iran	1960	95 586	29 206	14 278 484	14 039 108	239 376	13 585	...	13 335	11 026 768	1 795 944	1 230 824	...
Iraq	1957/58	4 808	926	354 680	425 251	11 180	477	...	...	141 010	...	...	...
Lebanon	1961/62	165 305	2 905	1 694 640	559 693	1 134 947	8 760	395 393	806	1 293 984	56 773	1 237 211	31 571
Turkey	1963	...	...	...	...	...	...	...	...	...	...	...	...
AFRICA		...	12 528	...	...	...	...	...	...	...	...	...	...
Libya	1959/60	14 809	12 528	1 032 000	778 600	253 400	2 905	...	...	...	...	...	...
South Africa	1959/60	...	...	88 677	...	...	...	...	...	17 147	...	...	...
Tunisia	1961/62	...	...	9 403 000	...	...	...	...	...	...	...	...	...
OCEANIA		...	1 553	...	...	...	...	...	78	...	...	...	...
Australia	1959/60	...	1 553	420 523	...	...	829	...	78	19 216	...	...	116
TOTAL		...	938 384	...	...	...	...	...	5 376	...	...	...	...

¹ Includes hazelnuts. — ² Trees of produce ve age only.

TABLE 5.33 - TEA

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
SOUTH AMERICA		...	16 251	...	...	...	...
Argentina	1959/60	4 421	14 044				
Peru	1960/61	550	2 207	11 868 473	11 867 412	1 061	2 218
ASIA		...	730 820	...	...	...	...
Ceylon	1961/62	...	231 046				
China (Taiwan)	1960	36 568	31 029	205 066 597	204 094 186	972 411	...
India	1959/60	...	1331 000				1326 000
Indonesia (estates)	1962/63	159	72 659	541 056 070	...	...	204 602
Iran	1960	23 157	11 874	...	...	...	226 595
Japan	1959/60	301 861	30 975				
Malaya, Fed. of	1959/60	573	3 432	19 676	...	4 848	...
Turkey	1963	47 917	16 830	...	...	...	41 054
Viet-Nam, Rep. of	1960	...	1 975	...	...	...	...
AFRICA		...	32 989	...	...	...	...
Kenya	1960/61	...	16 066	...	...	...	
Southern Rhodesia	1959/60	...	1 441	...	...	...	996
Tanganyika	1960	...	5 648	...	...	...	
Uganda	1963/64	...	9 834	...	...	...	6 198
TOTAL		...	780 060	...	...	...	...

¹ Official estimates, not census figures. — ² Green leaves.

TABLE 5.34 - APPLES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	252 904	...	...	...	...
Austria	1960	...	...	5 304 378	...	...	...
Belgium	1959	...	...	3 407 380	...	...	...
Denmark	1959	...	...	...	...	...	102 600
Finland	1959/60	198 782	...	2 400 053	...	...	...
Netherlands	1959	...	35 599	...	...	...	...
Norway	1959	...	...	3 181 217	...	...	...
Spain	1961/62	708 967	192 123	10 042 600	...	...	...
Yugoslavia	1960	1 442 261	25 182	17 252 060	9 195 316	8 056 744	...
NORTH AND CENTRAL AMERICA		...	18 992	...	...	...	...
Canada	1961	17 282	...	4 796 955	...	...	...
Mexico	1959/60	...	18 992	4 878 190	...	...	82 450
United States	1959	184 613	...	28 981 444	...	...	2 625 920
SOUTH AMERICA		...	5 271	...	...	...	...
Argentina	1959/60	23 175	...	5 670 611	...	...	...
Chile	1964/65	113 902	...	4 593 125	3 722 175	870 950	...
Paraguay	1960/61	4 679	...	83 294	...	...	...
Peru	1960/61	5 280	5 237	2 210 631	2 205 572	5 059	43 407
Uruguay	1961	...	...	1 770 292	...	...	22 638
Venezuela	1960/61	126	34	18 309	...	...	28
ASIA		...	114 487	...	...	...	...
Iran	1960	105 814	13 332	8 342 968	8 192 820	150 148	22 910
Iraq	1957/58	...	...	1910 606	...	...	18 775
Japan	1959/60	293 423	59 989	...	...	1 034 203	...
Korea, Rep. of	1960	14 358	8 980	1 884 674	...	...	...
Lebanon	1961/62	38 197	10 351	5 087 019	5 069 312	17 707	...
Turkey	1963	670 297	21 835	8 946 435	4 316 114	4 630 321	81 557
AFRICA		...	1 655	...	...	...	...
Libya	1959/60	9 979	293	118 900	15 800	103 100	875
Madagascar	1961/62	...	1 000	...	...	...	...
South Africa	1959/60	...	...	4 139 693	...	...	...
South West Africa	1959/60	...	...	95	...	...	...
Tunisia	1961/62	...	...	782 000	...	...	...
United Arab Republic	1961	828	362	149 335	146 090	3 245	...
OCEANIA		...	34 507	...	...	...	...
Australia	1959/60	...	34 507	9 121 216	...	...	268 028
TOTAL		...	427 816	...	...	...	...

¹ Trees of productive age only.

TABLE 5.35 - FIGS

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	124 584	...	...	...	...
Malta and Gozo	1959/60	...	37	21 434	...	...	...
Spain	1961/62	708 282	124 547	6 601 763	...	...	...
Yugoslavia	1960	...	...	1 523 950	...	...	...
NORTH AND CENTRAL AMER- ICA		...	1 419	...	...	...	...
Costa Rica	1962/63	411	693	...	...	...	272
Mexico	1959/60	...	726	168 054	...	...	1 813
United States	1959	32 317	...	1 327 781	...	...	57 714
SOUTH AMERICA		...	172 852	...	...	...	...
Argentina	1959/60	9 944	172 830	...	...	...	...
Chile	1964/65	58 965	...	176 573	69 437	107 136	...
Uruguay	1961	5 441	...	58 146	...	...	929
Venezuela	1960/61	388	22	13 059	...	...	34
ASIA		...	76 691	...	...	...	...
Iran	1960	166 504	21 251	14 441 960	14 162 122	279 838	...
Iraq	1957/58	...	...	526 240	...	...	3 310
Lebanon	1961/62	19 385	2 871	894 143	867 533	26 610	...
Turkey	1963	473 797	52 569	10 545 194	7 624 120	2 921 074	148 502
AFRICA		...	14 691	...	...	...	...
Libya	1959/60	34 747	12 990	606 900	323 900	283 000	4 538
Morocco	1961/62	...	...	4 585 000	...	...	60 000
South Africa	1959/60	...	...	72 574	...	...	...
South West Africa	1959/60	...	...	164	...	...	...
Tunisia	1961/62	...	...	2 231 000	...	...	...
United Arab Republic	1961	2 633	1 701	2 140 627	2 119 549	21 078	...
OCEANIA		...	179	...	...	...	...
Australia	1959/60	...	179	42 859	...	...	941
TOTAL		...	390 416	...	...	...	...

TABLE 5.36 - CACAO

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	165 910	...	...	...	...
Antigua and Barbuda	1960/61	...	...	186	12	174	...
Costa Rica	1962/63	4 745	37 378	...	...	...	15 784
Dominican Republic	1959/60	50 193	62 622	...	...	...	36 356
Jamaica	1961	...	...	13 452 571	...	...	1 878
Mexico	1959/60	...	58 006	51 553 044	...	...	14 356
Nicaragua	1962/63	974	1 603	...	1 236 684	...	455
Panama	1960/61	8 950	6 284	3 456 209	...	...	2 120
Puerto Rico	1959/60	210	17	4 667	...	...	9
Virgin Islands (U.K.)	1960/61	26	...	115	...	...	...
SOUTH AMERICA		...	129 364	...	...	...	...
Colombia	1959	49 590	50 545	...	...	601 082	18 907
Peru	1960/61	4 122	8 408	4 102 442	4 050 534	51 908	2 909
Surinam	1958/59	751	1 533	...	...	...	245
Venezuela	1960/61	18 259	68 878	55 008 113	...	...	10 204
ASIA		...	22 080	...	...	...	...
Ceylon	1961/62	...	12 594	...	...	...	...
Indonesia (estates)	1962/63	41	5 574	3 563 932	...	...	1 734
Malaya, Fed. of	1959/60	16	57	...	78 465	...	...
Philippines	1959/60	42 260	3 855	1 839 080	...	...	870
AFRICA		...	23 033	...	...	...	...
Tanganyika	1960	...	409	...	...	...	...
Togo	1961/62	...	22 624	...	...	...	9 386
OCEANIA		...	...	...	...	...	...
American Samoa	1959	880	...	115 654	...	...	...
TOTAL		...	340 387	...	...	...	...

¹ Trees of productive age only.

TABLE 5.37 - ORANGES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	116 757	...	...	...	...
Spain	1961/62	195 978	116 757	40 756 261	...	...	...
Yugoslavia	1960	...	...	157 281	...	...	...
NORTH AND CENTRAL AMER- ICA		...	74 183	...	...	...	...
Antigua and Barbuda	1960/61	...	...	1 280	53	1 280	...
Barbados	1960/61	...	...	...	14	1 158	...
Costa Rica	1962/63	21 139	627	332 686	...	332 686	...
Dominican Republic	1959/60	...	...	1 784 695	...	...	...
Jamaica	1961	...	...	4 202 299	...	...	58 228
Mexico	1959/60	...	68 489	10 642 449	...	...	368 621
Puerto Rico	1958/59	18 879	5 067	1 234 797	...	...	...
United States	1959	...	...	52 841 365	...	...	4 704 250
Virgin Islands (U.K.)	1960/61	16	...	41	...	...	...
Virgin Islands (U.S.)	1959	102	...	1 356	...	...	2
SOUTH AMERICA		...	21 434	...	...	...	...
Argentina	1959/60	54 103	...	29 742 682	...	...	...
Chile	1964/65	40 861	...	1 226 168	1 113 318	112 850	...
Paraguay	1960/61	...	...	11 063 695	...	...	...
Surinam	1958/59	2 758	1 159	...	...	...	...
Uruguay	1961	15 654	...	2 114 043	...	...	35 377
Venezuela	1960/61	52 721	20 275	5 469 658	...	...	107 094
ASIA		...	48 405	...	...	...	...
Brunei	1963/64	1 277	79	16 435	10 554	5 881	452
Ceylon	1961/62	439 896	...	2 555 000	...	...	...
China (Taiwan)	1960	...	10 183	...	...	...	...
Iran	1960	34 980	7 557	2 928 170	2 880 492	47 678	23 902
Iraq	1957/58	...	...	1 273 707	...	...	94 714
Japan	1959/60	70 180	10 124	...	...	...	...
Philippines	1959/60	87 843	4 318	796 162	...	...	6 488
Thailand	1962/63	807 805	...	8 944 880	...	...	...
Turkey	1963	35 190	16 144	5 792 446	5 522 623	269 823	96 781
AFRICA		...	21 917	...	...	...	...
Libya	1959/60	3 948	1 537	657 700	525 900	131 800	5 330
Mali	1960	...	...	1 640	...	...	...
Portuguese Guinea	1960	...	...	191 363	...	...	1 884
South Africa	1959/60	...	...	9 625 242	...	...	...
South West Africa	1959/60	...	...	9 723	...	...	...
Togo	1961/62	...	...	...	...	128 000	5 796
Tunisia	1961/62	...	...	2 351 600	...	...	...
United Arab Republic	1961	18 947	20 380	8 296 476	8 199 011	97 465	...
OCEANIA		...	19 962	...	...	...	...
American Samoa	1959	512	...	3 744	...	...	...
Australia	1959/60	...	19 962	4 463 311	...	...	162 198
Guam	1959	407	...	2 178	...	...	16
TOTAL		...	302 658	...	...	...	...

¹ Includes mandarins and lemons. — ² Trees of productive age only.

TABLE 5.38 - PLUMS AND PRUNES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	209 596	...	...	...	...
Austria	1960	...	...	1 987 729	...	...	...
Belgium	1959	...	...	483 931	...	...	...
Denmark	1959	...	...	...	...	...	3 900
Finland	1959/60	...	...	186 002	...	...	...
Netherlands	1959	...	2 402	...	...	...	...
Norway	1959	...	...	1 046 751	...	...	...
Spain	1961/62	442 902	49 131	2 910 187	...	...	...
Yugoslavia ¹	1960	1 745 608	158 063	120 856 699	62 595 452	58 261 247	...
NORTH AND CENTRAL AMER- ICA		...	7 936	...	...	...	...
Canada	1961	10 011	...	558 787	...	...	...
Mexico	1959/60	...	7 936	2 123 757	...	...	37 509
United States	1959	86 651	...	15 446 788	...	...	477 245
SOUTH AMERICA		...	184	...	...	...	...
Argentina	1959/60	23 833	...	22 654 903	...	...	...
Chile ¹	1964/65	93 850	...	1 375 206	966 584	408 622	...
Uruguay	1961	8 266	...	468 835	...	...	5 145
Venezuela	1960/61	2 562	184	69 540	...	...	1 331
ASIA		...	6 368	...	...	...	...
Iraq	1957/58	...	...	...	...	...	1 434
Lebanon	1961/62	2 511	355	251 944	247 943	1 001	...
Turkey	1963	658 645	6 013	6 119 462	1 513 328	4 606 134	80 274
AFRICA		...	426	...	...	...	...
Libya	1959/60	2 078	100	28 900	10 900	18 000	294
South Africa	1959/60	...	...	933 946	...	...	...
South West Africa	1959/60	...	...	52	...	...	...
Tunisia	1961/62	...	...	412 000	...	...	...
United Arab Republic	1961	263	326	125 860	124 883	977	...
OCEANIA		...	4 277	...	...	...	...
Australia	1959/60	...	4 277	1 045 467	...	...	23 792
TOTAL		...	228 787	...	...	...	...

¹ Plums only. — ² Trees of productive age only.

TABLE 5.39 - PEARS

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	176 211	...	...	...	...
Austria	1960	...	...	2 423 783	...	...	...
Belgium	1959	...	...	1 243 946	...	...	...
Denmark	1959	...	...	...	...	...	6 300
Finland	1959/60	...	...	22 137	...	...	...
Netherlands	1959	...	10 833	...	...	...	...
Norway	1959	...	...	457 588	...	...	...
Spain	1961/62	589 414	159 678	13 621 249	...	...	...
Yugoslavia	1960	1 239 393	5 700	7 236 317	2 917 423	4 318 894	...
NORTH AND CENTRAL AMERICA		...	2 666	...	...	...	...
Canada	1961	10 432	...	1 182 019	...	...	...
Mexico	1959/60	...	2 666	669 831	...	...	13 438
United States	1959	134 762	...	10 524 176	...	...	606 493
SOUTH AMERICA		...	233	...	...	...	...
Argentina	1959/60	14 251	...	12 117 551	...	...	...
Chile	1964/65	76 985	...	1 081 818	794 128	287 690	...
Paraguay	1960/61	3 619	...	98 717	...	...	...
Peru	1960/61	913	233	49 402	45 491	3 911	1 155
Uruguay	1961	7 016	...	379 585	...	...	4 299
ASIA		...	32 632	...	...	...	...
Ceylon	1961/62	11 320	...	148 000	...	...	...
Iran	1960	65 942	6 009	2 164 113	2 012 256	151 857	...
Iraq	1957/58	...	...	322 338	...	...	3 378
Japan	1959/60	98 575	18 250	...	...	914 440	...
Korea, Rep. of	1960	3 939	2 271	827 871	...	...	...
Lebanon	1961/62	5 106	615	367 370	365 949	1 421	...
Turkey	1963	625 585	5 487	4 538 183	846 371	3 691 812	73 386
AFRICA		...	529	...	...	...	...
Libya	1959/60	1 769	87	22 200	9 100	13 100	150
South Africa	1959/60	...	...	1 725 694	...	...	...
South West Africa	1959/60	...	...	50	...	...	...
United Arab Republic	1961	266	442	164 772	163 377	1 395	...
OCEANIA		...	9 584	...	...	...	...
Australia	1959/60	...	9 584	2 448 930	...	...	107 526
TOTAL		...	221 855	...	...	...	...

¹ Trees of productive age only.

TABLE 5.40 - PEACHES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	104 305	...	...	...	...
Austria	1960	...	...	204 473	...	...	...
Belgium	1959	...	...	272 066	...	...	...
Spain	1961/62	389 035	104 305	10 428 018	...	...	...
Yugoslavia	1960	378 543	...	4 002 079	...	...	...
NORTH AND CENTRAL AMERICA		...	8 897	...	...	...	...
Canada	1961	6 032	...	1 891 151	...	...	...
Mexico	1959/60	...	8 897	3 569 367	...	...	49 915
United States	1959	144 417	...	40 226 946	...	...	1 496 920
SOUTH AMERICA		...	2 621	...	...	...	...
Argentina	1959/60	88 318	...	19 001 163	...	...	...
Chile	1964/65	100 745	...	4 713 718	4 056 758	656 960	...
Paraguay	1960/61	98 164	...	1 958 545	...	...	...
Peru	1960/61	4 634	1 817	230 310	214 437	15 873	7 830
Uruguay	1961	13 843	...	2 282 458	...	...	16 359
Venezuela	1960/61	1 434	804	252 171	...	...	861
ASIA		...	57 023	...	...	...	...
Iran	1960	205 338	28 742	16 555 709	16 131 442	424 267	...
Japan	1959/60	130 926	18 290	...	...	1 190 308	...
Korea, Rep. of	1960	11 791	3 427	1 437 107	...	...	...
Lebanon	1961/62	2 960	362	242 165	240 696	1 469	...
Turkey	1963	173 415	6 202	2 873 188	2 034 357	838 831	24 800
AFRICA		...	635	...	...	...	...
Libya	1959/60	5 754	409	76 300	24 000	52 300	343
South Africa	1959/60	...	...	6 639 024	...	...	...
South West Africa	1959/60	...	...	2 462	...	...	...
Tunisia	1961/62	...	...	722 000	...	...	...
United Arab Republic	1961	331	226	101 491	96 201	5 290	...
OCEANIA		...	10 674	...	...	...	...
Australia	1959/60	...	10 674	2 606 649	...	...	59 529
TOTAL		...	184 155	...	...	...	...

¹ Trees of productive age only.

TABLE 5.41 - DATES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	828	...	...	...	...
Mexico	1959/60	...	828	171 898	...	...	2 656
United States	1959	529	...	225 815	...	...	18 159
SOUTH AMERICA		...	214	...	...	...	...
Venezuela	1960/61	372	214	44 268	...	...	13
ASIA		...	54 895	...	...	...	...
Iran	1960	102 998	54 895	10 520 100	10 030 350	489 750	145 651
Iraq	1957/58	...	...	121 643 112	...	...	...
AFRICA		...	108 225	...	...	...	...
Libya	1959/60	66 672	4 725	3 215 300	116 200	3 099 100	31 690
Morocco	1961/62	...	100 000	4 885 000	...	...	115 000
Tunisia	1961/62	...	...	2 516 000	...	...	...
United Arab Republic	1961	7 935	3 500	3 343 703	888 005	2 455 698	...
TOTAL		...	164 162	...	...	...	...

¹ Trees of productive age only.

TABLE 5.42 - PINEAPPLES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of plants			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	33 903	...	...	...	...
Costa Rica	1962/63	4 480	1 011	...	...	1 304 646	...
Dominican Republic	1959/60	...	735	...	...	...	...
Jamaica	1961	...	879	...	...	...	...
Mexico	1959/60	...	9 757	...	...	...	154 081
Nicaragua	1962/63	1 274	962	...	...	...	...
Panama	1960/61	34 098	1 028	3 599 994	...	...	...
Puerto Rico	1958/59	56	1 583	38 342	...	...	...
United States	1959	116	17 948	...	...	...	916 074
Virgin Islands (U.S.)	1959	54	...	10 079	...	...	...
SOUTH AMERICA		...	5 900	...	...	...	...
Argentina	1959/60	1 082	...	11 875 547	...	...	...
Paraguay	1960/61	40 048	...	47 497 012	...	...	...
Peru	1960/61	1 382	1 452	18 676 200	18 426 200	250 000	17 550
Surinam	1958/59	146	10	...	...	...	66
Venezuela	1960/61	9 263	4 438	19 517 128	...	...	17 934
ASIA		...	70 675	...	...	...	...
Brunei	1963/64	1 209	72	252 021	163 455	88 566	292
Ceylon	1961/62	268 228	...	15 586 000	...	...	...
China (Taiwan)	1960	20 326	8 813	234 508 139	234 159 006	349 133	...
Malaya, Fed. of	1959/60	102 329	9 766	...	...	...	...
North Borneo	1960/61	1 646	117	...	...	...	...
Philippines	1959/60	122 786	15 445	63 151 142	...	...	51 319
Sarawak	1959/60	3 162	490	...	...	...	...
Thailand	1962/63	210 412	27 337	...	...	...	...
Viet-Nam, Rep. of	1960	...	8 635	...	...	...	47 173
AFRICA		...	33 613	...	...	...	...
Kenya	1960/61	...	3 440	...	...	...	...
Madagascar	1961/62	...	8 000	...	...	...	...
Senegal	1960/61	...	26	...	...	...	...
South Africa	1959/60	...	22 147	...	...	...	129 993
OCEANIA		...	5 114	...	...	...	...
American Samoa	1959	468	2	...	...	...	...
Australia	1959/60	1 778	5 112	...	...	...	90 314
Guam	1959	165	...	77 816	...	...	22
TOTAL		...	149 205	...	...	...	...

¹ Plants of productive age only.

TABLE 5.43 - MANDARINS

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	11 829	...	...	...	...
Spain	1961/62	37 862	11 829	5 090 347	...	...	...
NORTH AND CENTRAL AMERICA		...	...	...	...	...	...
United States	1959	7 662	...	1 253 155	...	...	...
SOUTH AMERICA		...	...	...	...	...	...
Argentina	1959/60	35 365	...	14 654 590	...	...	...
Uruguay	1961	11 229	...	1 082 083	...	...	22 135
ASIA		...	69 597	...	...	...	...
Ceylon	1961/62	123 456	...	399 000	...	...	...
Iran	1960	4 092	209	76 524	76 374	150	762
Japan	1959/60	210 062	60 540	...	...	...	...
Malaya, Fed. of	1959/60	17 717	482	61 362	9 677	51 685	...
Philippines	1959/60	30 507	8 366	1 869 050	...	...	12 815
AFRICA		...	5 450	...	...	...	...
South Africa	1959/60	...	...	670 387	...	...	...
South West Africa	1959/60	...	...	1 217	...	...	...
Tunisia	1961/62	...	...	213 500	...	...	...
United Arab Republic	1961	7 013	5 450	2 289 741	2 283 518	6 223	...
OCEANIA		...	1 791	...	...	...	...
Australia	1959/60	...	1 791	383 195	...	...	10 719
TOTAL		...	88 667	...	...	...	...

¹ Trees of productive age only.

TABLE 5.44 - MANGOES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		1...	18 646	...	...	...	...
Antigua and Barbuda	1960/61	...	9	10 456	439	10 017	...
Barbados	1960/61	...	...	5 521	...	5 521	...
Dominican Republic	1959/60	...	...	2 393 260	...	...	...
Mexico	1959/60	...	18 072	2 711 937	...	...	165 308
Puerto Rico	1958/59	5 142	565	92 753	...	...	...
United States	1959	2 390	...	141 136	...	...	1 053
Virgin Islands (U.K.)	1960/61	539	...	5 027	...	...	173
Virgin Islands (U.S.)	1959	244	...	4 000	...	...	...
SOUTH AMERICA		...	7 269	...	...	...	...
Paraguay	1960/61	62 903	...	765 960	...	...	...
Peru	1960/61	3 031	1 560	199 091	166 058	33 033	18 721
Venezuela	1960/61	31 312	5 709	844 080	...	...	74 492
ASIA		...	22 493	...	...	...	...
Brunei	1963/64	1 169	12	5 825	1 436	4 389	77
Ceylon	1961/62	659 128	...	2 324 000	...	...	...
Malaya, Fed. of	1959/60	235 078	...	...	...	579 912	...
Philippines	1959/60	207 221	22 481	1 207 875	...	...	66 341
Thailand	1962/63	1 587 137	...	10 231 926	...	...	...
AFRICA		...	7 065	...	...	...	...
Mali	1960	...	2 064	32 790	...	...	...
Portuguese Guinea	1960	...	...	387 328	...	...	36 559
Senegal	1960/61	...	...	...	2 460	...	...
South Africa	1959/60	...	...	377 230	...	...	...
South West Africa	1959/60	...	...	39	...	...	...
United Arab Republic	1961	4 531	5 001	1 259 914	1 241 368	18 546	...
OCEANIA		...	287	...	...	...	...
American Samoa	1959	603	...	2 585	...	...	...
Australia	1959/60	...	287	26 847	...	...	531
Guam	1959	498	...	2 320	...	...	66
TOTAL		...	55 760	...	...	...	...

TABLE 5.45 - CHERRIES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	46 002	...	...	...	...
Austria	1960	...	...	586 503	...	...	...
Belgium	1959	...	...	302 112	...	...	...
Denmark	1959	...	...	...	...	...	1 400
Finland	1959/60	...	...	80 701	...	...	...
Netherlands	1959	...	3 373	...	...	...	...
Norway	1959	...	...	386 331	...	...	...
Spain	1961/62	398 043	38 404	2 418 277	...	...	...
Yugoslavia	1960	1 325 826	14 225	8 125 220	¹ 1 428 099	13 101 402	...
NORTH AND CENTRAL AMERICA		...	...	...	...	...	...
Canada	1961	14 027	...	758 365	...	...	...
United States	1959	101 563	...	10 740 541	...	...	182 044
SOUTH AMERICA		...	8	...	...	...	...
Argentina	1959/60	5 307	...	² 234 995	...	...	...
Paraguay	1960/61	8 729	...	153 806	...	...	...
Uruguay	1961	380	...	6 936	...	...	35
Venezuela	1960/61	134	8	3 525	...	...	8
ASIA		...	6 025	...	...	...	...
Japan	1959/60	8 771	1 046	...	...	87 940	...
Turkey	1963	361 814	4 979	2 419 566	519 257	1 900 309	23 660
AFRICA		...	...	...	...	...	...
South Africa	1959/60	...	...	63 549	...	...	...
South West Africa	1959/60	...	...	5	...	...	...
OCEANIA		...	1 868	...	...	...	...
Australia	1959/60	...	1 868	465 004	...	...	6 703
TOTAL		...	53 903	...	...	...	...

¹ Excluding sour cherries. — ² Trees of productive age only.

TABLE 5.46 - LEMONS

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
EUROPE		...	12 283	...	...	...	...
Spain	1961/62	75 900	12 283	3 326 583	...	...	...
NORTH AND CENTRAL AMERICA		...	13 577	...	...	...	...
Dominican Republic	1959/60	...	...	351 094	...	...	...
Mexico	1959/60	...	13 577	2 005 242	...	...	53 580
United States	1959	10 894	...	7 293 681	...	...	731 360
Virgin Islands (U.S.)	1959	1223	...	11 743	...	...	114
SOUTH AMERICA		...	383	...	...	...	...
Argentina	1959/60	9 873	...	21 079 446	...	...	...
Chile	1964/65	33 575	...	1 280 776	1 174 092	106 684	...
Paraguay	1960/61	31 369	...	123 059	...	...	...
Uruguay	1961	13 156	...	399 953	...	...	5 837
Venezuela	1960/61	7 469	383	113 743	...	...	2 243
ASIA		...	425	...	...	...	...
Brunei	1963/64	337	4	1 352	589	763	43
Iraq	1957/58	...	...	243 890	...	...	2 574
Turkey	1963	7 041	421	178 348	159 178	19 170	16 675
AFRICA		...	4 907	...	...	...	...
Libya	1959/60	4 304	177	55 700	28 200	27 500	796
Portuguese Guinea	1960	...	...	43 564	...	...	1 034
South Africa	1959/60	...	...	811 710	...	...	...
South West Africa	1959/60	...	...	200	...	...	...
Togo	1961/62	...	...	...	...	8 700	55
Tunisia	1961/62	...	...	296 100	...	...	...
United Arab Republic	1961	9 907	4 730	1 764 143	1 685 163	78 980	...
OCEANIA		...	2 055	...	...	...	...
American Samoa	1959	418	...	4 098	...	...	...
Australia	1959/60	...	12 055	1457 744	...	...	116 447
Guam	1959	1602	...	13 431	...	...	124
TOTAL		...	33 630	...	...	...	...

¹ Includes limes. — ² Trees of productive age only.

TABLE 5.47 - GRAPEFRUIT

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	755	...	...	...	...
Antigua and Barbuda	1960/61	...	...	...	...	69	...
Barbados	1960/61	...	...	1 726	77	1 649	...
Dominican Republic	1959/60	...	...	98 572	...	...	...
Jamaica	1961	...	...	893 627	...	...	35 375
Puerto Rico	1958/59	8 756	755	143 384	...	...	...
United States	1959	20 038	...	11 595 305	...	...	1 352 549
Virgin Islands (U.K.)	1960/61	8	...	19	...	...	...
Virgin Islands (U.S.)	1959	60	...	380	...	...	1
SOUTH AMERICA		...	912	...	...	...	...
Argentina	1959/60	5 663	...	1567 852	...	...	...
Paraguay	1960/61	...	...	840 571	...	...	...
Surinam	1958/59	157	346	...	...	...	...
Uruguay	1961	1 694	...	89 159	...	...	1 037
Venezuela	1960/61	5 040	566	153 988	...	...	2 235
ASIA		...	663	...	...	...	...
Brunei	1963/64	373	4	1 852	797	1 055	28
Ceylon	1961/62	12 228	...	44 000	...	...	...
Philippines	1959/60	22 398	570	133 402	...	...	4 197
Turkey	1963	568	89	26 825	26 690	135	415
AFRICA		...	17	...	...	...	...
Libya	1959/60	226	17	20 900	6 800	14 100	165
South Africa	1959/60	...	...	761 920	...	...	...
South West Africa	1959/60	...	...	529	...	...	...
OCEANIA		...	559	...	...	...	...
American Samoa	1959	89	...	721	...	...	...
Australia	1959/60	...	559	122 375	...	...	6 837
Guam	1959	76	...	228	...	...	2
TOTAL		...	2 906	...	...	...	...

¹ Trees of productive age only.

TABLE 5.48 - BREADFRUIT

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	57	...	...	...	...
Antigua and Barbuda	1960/61	...	...	...	...	552	...
Barbados	1960/61	...	...	14 994	928	14 066	...
Dominican Republic	1959/60	...	...	322 852	...	...	...
Jamaica	1961	...	...	1 328 400	...	...	...
Puerto Rico	1958/59	1 101	57	9 951	...	...	...
United States	1959	94	...	463	...	...	13
Virgin Islands (U.K.)	1960/61	101	...	185	...	...	...
SOUTH AMERICA		...	23	...	...	...	...
Venezuela	1960/61	583	23	9 229	...	...	191
ASIA		...	...	...	...	...	...
Ceylon	1961/62	503 561	...	1 497 000	...	...	...
AFRICA		...	...	...	...	...	...
Seychelles	1959	...	...	...	...	...	986
OCEANIA		...	...	...	...	...	...
American Samoa	1959	2 035	...	155 303	...	...	143
Guam	1959	513	...	...	...	...	...
TOTAL		...	80	...	...	...	...

TABLE 5.49 - SOUR LIMES

	Year to which data relate	Number of holdings reporting	Area in compact plantations (ha)	Number of trees			Production (metric tons)
				Total	In compact plantations	Scattered	
NORTH AND CENTRAL AMERICA		...	...	...	...	...	...
Antigua and Barbuda	1960/61	...	...	...	...	783	...
Barbados	1960/61	...	...	5 673	80	5 593	...
Virgin Islands (U.K.)	1960/61	314	...	1 093	...	...	...
SOUTH AMERICA		...	...	...	...	...	...
Paraguay	1960/61	40 983	...	160 581	...	...	...
AFRICA		...	...	...	...	...	...
South Africa	1959/60	...	...	66 353	...	...	...
South West Africa	1959/60	...	...	5 055	...	...	...

6. LIVESTOCK AND POULTRY

6.1 Introduction

Substantial proportions of the agricultural land of all continents are grazing lands. The total area of holdings in the 83 countries totalled 2 472 million hectares, of which 1 300 million were classified as permanent meadows and pastures. More than 1.5 thousand million head of livestock were reported for the 83 countries covered by this report. Livestock were also grazed on millions of hectares of land not included in agricultural holdings; indeed, the area of these grazing lands outside the holdings exceeds the area of permanent meadows and pastures within them.

Part of this land is in communal pastures and part is owned by government or tribal groups and is available for grazing because it is not part of agricultural holdings, has inadequate water supply or unsuitable terrain for cultivated crops, or is located in areas with short growing seasons.

Approximately 106 million hectares of land included as cropland in agricultural holdings are used to produce hay and forage crops suitable only for consumption by animals (Chapter 5, Table 5.4). Livestock also consume crop wastes or forage grown with temporary or permanent crops or remaining on the land after the crops are harvested. In the United States of America, Canada, and parts of Europe these animals also eat significant proportions of feed grains (maize, oats, barley) and large quantities of vegetable wastes, residues from grain or sugar beet processing, molasses and by-products from the processing of fruits, oilseeds and coconuts.

Livestock also serve as work animals on more than 21 million of the 32 million holdings in the 27 countries for which data on source of power are available. Horses and asses, especially, provide transportation both on and off agricultural holdings.

The production cycle of livestock is of varying length. The number of livestock for those species

with relatively short production cycles and for those species raised or fattened primarily by feed grains and cultivated forage is affected by the relative price of grains and forage to the price of livestock or livestock products. When the latter are high relative to the price of feed, the number of livestock on holdings tends to increase, and when the price of feed is high relative to livestock price, the livestock decrease. In a number of countries, cycles in livestock numbers because of relative changes or expected changes in prices have been a well recognized characteristic of livestock enterprises, particularly cattle and pigs. In most countries there are also seasonal variations in the births, deaths, and marketings of livestock, particularly pigs, sheep and cattle. The number of livestock reported in a census is affected by the nearness of the census date to the date of the greatest seasonal change in the number of livestock. Specifications for the enumeration of livestock usually called for an inventory as of a specific month.

The collection of data on the inventory numbers of livestock has a number of problems. Holders with considerable numbers of livestock may not know the actual number because of frequent births, deaths or marketings. Or they may not know whether very young animals are to be reported or whether animals owned by persons other than themselves are to be included. The fear of taxes on livestock or the consideration of livestock as a symbol of social status also contributes to difficulties encountered in obtaining an accurate report. Moreover, considerable numbers of livestock in some areas are in nomadic herds, which often were not included in the census. For all these reasons, satisfactory measures of the accuracy of the data on the number of livestock do not exist for most countries, and the accuracy of census data probably varies from country to country.

The FAO programme recommended the classification of livestock by age groups and by sex for some

species. The classification by age was primarily for the purpose of separating mature from immature animals. The age groupings varied considerably among countries, largely because of differences in the age at which animals reach maturity. The FAO programme suggested also the classification of cattle, buffaloes and pigs by purpose or use.

In many countries the livestock numbers as reported in the census do not represent a complete count. In some countries the census did not cover all areas within their boundaries (for details see Table 1.2, Chapter 1). In other countries livestock was not enumerated in all holdings included in the census. The livestock was not reported in Dominican Republic for holdings of less than 0.2 ha, in Thailand for holdings of less than 0.32 ha, and in Indonesia, Malaya and Uganda for estates. Data for horses in the United Kingdom exclude horses in Northern Ireland.

Also, the census did not include a count of livestock on places that were not counted as agricultural holdings, such as livestock in urban areas. The number of livestock on places not counted as agricultural holdings is given here for the countries for which it was available.

Belgium	228 horses, 202 mules, 5 901 cattle, 73 720 sheep, 20 206 goats, 23 290 pigs.
Mexico	797 926 horses, 319 836 mules, 695 557 asses, 2 365 050 cattle, 979 557 sheep, 2 428 609 goats, 2 411 350 pigs.
Malaya, Fed. of	Livestock not on holdings: cattle 29 832, buffaloes 11 688, sheep 4 096, goats 49 890, pigs 128 216; Livestock on estates: cattle 34 533, buffaloes 79, sheep 851, goats 23 102, pigs 14 619; Livestock in urban areas: cattle 32 828, buffaloes 9 929, sheep 3 276, goats 17 514, pigs 100 860.
Philippines	95 625 horses, 137 776 cattle, 639 761 buffaloes, 1 692 sheep, 254 066 pigs.
United Arab Rep.	231 384 cattle and 217 281 buffaloes.

6.2 Relative importance of various species of livestock

The following data indicate the number of countries reporting and the total number of each kind of livestock reported. Not all of these countries had data on the number of holdings with specified livestock. As these figures indicate, cattle are the most important kind of livestock on agricultural holdings.

	Number of countries reporting	Number of animals (millions)
Cattle	76	591
Horses	60	30
Mules	34	4
Asses	32	12
Buffaloes	19	71
Sheep	62	550
Goats	58	100
Pigs	67	176
TOTAL		1 534

Table 6.1 provides totals for countries classified by percent of the holdings having each kind of livestock. Table 6.2 shows the holdings reporting specified livestock. In some countries two thirds or more of the holdings had cattle, and in some countries two thirds or more had pigs.

6.3 Cattle

The 76 countries included in the census and obtaining an inventory of cattle had approximately two thirds of all the cattle in all countries except U.S.S.R. and Mainland China. The coverage of cattle in the various continents is indicated by the following estimates for the approximate period covered by the 1960 census.

Three fifths of all cattle in the 76 countries were in 5 countries — India, United States, Argentina, Pakistan and Australia. India has almost one third of the 591 million cattle reported in the 76 countries.

The FAO programme suggested that cattle be classified by use or purpose. For 24 countries, in-

formation was available on the number of animals used or intended for use for draught purposes and is presented in Table 6.3. These 24 countries had 291 million cattle, and more than 98 million were used or intended for use for draught purposes.

	Estimated total number of cattle	Number of cattle reported for countries included in census	Estimated number of cattle in countries not included in census
	<i>Millions</i>		
Europe	113	92	21
North and Central America ..	134	125	9
South America ..	158	81	77
Asia	254	236	18
Africa	115	34	181
Oceania	23	23	—
U.S.S.R.	74	—	74
China (Mainland)	45	—	45
TOTAL	916	591	325

¹ Some African countries were only partly included in the census. This figure includes cattle in the noncovered parts of such countries.

Information regarding the number of cows kept primarily for milk production was collected in 23 countries and is shown in Table 6.4. These 23 countries had 381 million cattle and of these more than 69 million were cows kept primarily for milk production.

The distribution of cattle by age and by sex is available for 21 countries. Table 6.5 summarizes this information by continents, in terms of percent distribution. Table 6.6 gives the same information for 78 countries to the extent it is available, and Table 6.7 extracts from the larger table the 21 countries for which data are complete. These 21 countries had almost 100 million cattle or almost one fifth of the cattle reported in the census.

Information regarding the distribution of holdings with cattle by number of cattle on the holding is available for 17 countries (see Table 6.8). The 17 countries had almost 200 million cattle on almost 8 million agricultural holdings. The percentage dis-

tribution of holdings with cattle by number of head was as follows:

1 head	18 percent	11-20 head	13 percent
2- 4 »	24 »	21-50 »	16 »
5-10 »	20 »	51 or more	9 »

The 752 000 holdings with 51 or more head of cattle, while comprising only 9 percent of the holdings with cattle, had more than three fifths of all the cattle. The United States of America and Argentina had over three fourths of the holdings with 51 or more head of cattle and over three fifths of the total number of cattle in the 17 countries.

Data were available for the number of cattle by size of agricultural holding for 41 countries (Table 6.9). These 41 countries had 465 million of the 591 million cattle in the 76 countries for which census data were available.

The percentage distribution of cattle by size of holding for the 41 countries was as follows:

	Percent
All holdings	100
Under 1 ha	12
1 ha and under 5	27
5 ha and under 10	12
10 ha and under 20	9
20 ha and under 50	9
50 ha and under 100	8
100 ha and under 200	6
200 ha and over	17

6.4 Horses

Horses are used as work animals and also for transport of persons and products. The number of horses was published for 60 of the 83 countries included in the census. The distribution of the 60 countries and the number of horses by continents are indicated by data in Table 6.10.

The countries included in the census and obtaining a count of horses had 29.6 million horses or

approximately 45 percent of the horses in the world around 1960 and three fifths of the horses in all countries except the U.S.S.R. and Mainland China. Data on the number of horses in each country appear in Table 6.14. The extent of the coverage of horses in the countries including horses in their census by continents was as follows.

	Estimated total number of horses	Number of horses reported in the countries included in the census	Estimated number of horses in countries not taking a census of horses
	<i>Millions</i>		
Europe	12.0	8.8	3.2
North and Central America .	8.1	6.9	1.2
South America .	18.3	9.6	8.7
Asia	5.8	2.7	3.1
Africa	3.2	0.9	2.3
Oceania	0.7	0.7	—
U.S.S.R.	11.0	—	11.0
China (Mainland)	6.5	—	6.5
TOTAL	65.6	29.6	36.0

Data on the number of horses by size of holding are available for 22 countries (Table 6.11). These 22 countries had 13.3 million horses or 45 percent of the horses in the 60 countries reporting horses in the census. The distribution of horses in the 22 countries by size of holding was as follows.

	Percent
All holdings	100
Under 5 ha	27
5 ha and under 10	15
10 ha and under 20	15
20 ha and under 50	15
50 ha and under 100	9
100 ha and over	19

6.5 Mules

The number of mules in the countries obtaining data regarding the number of mules on holdings comprised less than two fifths of all the mules in the world and less than half the mules in all countries except U.S.S.R. and Mainland China. The following estimates indicate the extent of the coverage of mules in the various continents by countries in which the number of mules was obtained for the period covered by the 1960 census.

	Estimated total number of mules	Number of mules reported in countries included in census	Estimated number of mules in countries not taking a census of mules
	<i>Thousands</i>		
Europe	1 831	1 777	54
North and Central America .	1 604	1 340	264
South America .	5 065	574	4 491
Asia	601	429	172
Africa	1 641	155	1 486
Oceania	—	—	—
U.S.S.R.	5	—	5
China (Mainland)	1 000	—	1 000
TOTAL	11 747	4 275	7 472

The number of mules by size of holding is available for 7 countries and appears in Table 6.12.

The number of mules in each of the 34 countries for which the number of mules was obtained in the census is given in Table 6.14.

6.6 Asses

The countries included in the census and obtaining an inventory of asses had a total of 12.2 million asses. The number of asses in all countries during the period covered by the 1960 census totalled 40 million and in all countries except U.S.S.R. and Mainland China totalled 28 million. The estimated total

and the number of asses reported in countries included in the census are by continents as follows:

	Estimated total number of asses	Number of asses reported in countries included in census	Estimated number of asses in countries not taking a census of asses
	<i>Thousands</i>		
Europe	2 278	1 978	300
North and Central America .	1 875	1 665	210
South America .	4 095	1 361	2 734
Asia	8 892	4 670	4 222
Africa	10 951	2 529	8 422
Oceania	—	—	—
U.S.S.R.	847	—	847
China (Mainland)	11 100	—	11 100
TOTAL	40 038	12 203	27 835

Figures giving the number of asses by size of holding are available for 7 countries and appear in Table 6.13. In these 7 countries, more than one half of all asses are on holdings of less than 5 hectares.

Figures giving the number of asses by countries appear in Table 6.14.

6.7 Buffaloes

Nineteen countries obtained data regarding the number of buffaloes on holdings. These 19 countries had 71 million buffaloes or more than four fifths of all buffaloes in all countries except U.S.S.R. and China (Mainland). The distribution of countries reporting the number of buffaloes and the number of buffaloes by continents are given in Table 6.15.

In several countries data are available for buffaloes classified by age. Data are also available for 6 countries for buffaloes 3 years old and over, intended primarily for draught animals. These 6 countries had almost 62 million buffaloes, and 13 million (3 years of age or older) were intended for use primarily as work animals.

The extent of the coverage of buffaloes by the census is indicated by the following data:

	Estimated total number of buffaloes	Number of buffaloes reported in countries included in census	Estimated number of buffaloes in countries not taking a census of buffaloes
	<i>Thousands</i>		
Europe	335	78	257
North and Central America .	5	—	5
Asia	75 484	69 211	6 273
Africa	2 192	1 781	411
Oceania	1	1	—
U.S.S.R.	42	—	42
China (Mainland)	27 616	—	27 616
TOTAL	105 675	71 071	34 604

For 10 countries the distribution of the number of buffaloes is available by size of agricultural holding. The data appear in Table 6.16. These 10 countries had 93 percent of the buffaloes in 19 countries for which an inventory of buffaloes was included in the census. More than one fifth of the buffaloes in these 10 countries were on holdings of less than 1 hectare, almost 70 percent were on holdings of less than 5 hectares and more than 87 percent were on holdings under 10 hectares in size.

6.8 Sheep and goats

Data on the number of sheep were obtained in 62 countries and on the number of goats in 58 countries. The countries reporting had more than one half of all sheep and more than one third of all goats in all countries. The distribution of the number of countries reporting and the number of sheep and goats by continents are shown in Table 6.17. Table 6.18 shows percent distribution by age and by continents. Distribution by age and by country (70 countries) is shown in Table 6.19, so far as it was available. Full information was obtained for 8 countries; these have been extracted from Table 6.19 and appear in Table 6.20.

The number of sheep by size of agricultural holding is available for 26 countries (Table 6.21). These 26 countries had 244 million sheep. The percent distribution by size of holding was as follows:

	Percent
All holdings	100.0
Under 5 ha	19.6
5 ha and under 10	5.7
10 ha and under 20	5.1
20 ha and under 100	12.0
100 ha and over	57.6

Almost three fifths of all sheep were on holdings of 100 ha and over.

Data on the number of goats by size of agricultural holding are available for 19 countries having a total of 51.4 million goats (Table 6.22). More than half of all goats in these 19 countries were on holdings of less than 5 hectares. The distribution of goats by size of agricultural holding was as follows:

	Percent
All holdings	100.0
Under 5 ha	53.3
5 ha and under 10	10.6
10 ha and under 20	7.4
20 ha and under 100	6.9
100 ha and over	21.8

6.9 Pigs

The number of pigs is available for 67 countries. The number of pigs in these countries totalled almost 176 million and comprised more than one third of all pigs in all countries and more than three fifths of the pigs in all countries except U.S.S.R. and China (Mainland). The number of sows and gilts for breeding, 6 months old and over, is available for 34 coun-

tries. Data on the number of pigs and number of sows and gilts for breeding by country appear in Table 6.23.

The inventory of pigs by size of agricultural holding is available for 31 countries and appears in Table 6.24. The percent distribution by size of holding was as follows:

	Percent
All holdings	100.0
Under 1 ha	6.6
1 ha and under 5	13.5
5 ha and under 10	11.3
10 ha and under 20	11.4
20 ha and under 50	13.8
50 ha and under 100	19.6
100 ha and over	23.8

6.10 Bees

Data on the number of colonies of bees are available for 23 countries and appear in Table 6.23. In most cases the inventory of the colonies of bees includes only those on agricultural holdings. In some countries there are considerable numbers of colonies of bees on places not counted as agricultural holdings.

6.11 Relationship of census data for livestock to current estimates

One of the purposes of the census was to provide bench marks for current crop and livestock estimates. Comparisons have been made of census totals with current estimates for countries for which it was considered that the data obtained in the census and data for current estimates related to the same area and to approximately the same date.

The current estimates considered were the country estimates revised for the year to which the census related, and available at FAO. The following data indicate the number of livestock and the number of countries for which census totals and current estimates are considered the same.

	Total for countries for which census figures and current estimates were considered the same			Totals for all countries included in the census	
	Number of countries	Number of livestock		Number of countries	Number of livestock (1 000)
		Census (1 000)	Current estimates (1 000)		
Cattle	37	219 401	219 610	76	591 093
Sheep	30	393 120	392 812	62	550 422
Goats	14	37 704	37 680	58	100 067
Pigs	27	43 878	44 049	67	175 679
Horses	37	20 708	20 762	60	29 563
Asses	16	2 136	2 115	32	12 202

For cattle, census figures and current estimates differ slightly, in some cases because the date to which the data refer differs by 1 to 3 months, for 3 countries. The total cattle for these countries according to the census was 269 million and according to current estimates, 275 million. For the 40 countries having the same or nearly the same totals for the census as for current estimates, the total cattle according to the census was 489 million and according to current estimates 495 million.

For nearly all the countries for which the census figures and current estimates are considered the same,

the census figure and the current estimate are identical, indicating that the current estimate has been adjusted to equal census figures. For cattle, for 12 of the 37 countries for which the census total and current estimates were considered the same, changes were made in current estimates after the census data were published. The current estimates and census figures of these 8 countries totalled 74.7 million cattle. Changes made in current estimates after census data became available were equal to 18 percent of the census total.

For 30 countries with 393 million sheep, census totals and current estimates are the same. For goats, the census totals and current estimates are the same for 14 countries, and the total number of goats in these countries was 37.7 million. For pigs, census totals and current estimates were the same for 27 countries, and these countries had 44 million pigs. For horses, census totals and current estimates were the same for 37 countries, and these countries had 20.7 million horses.

For many countries it was not possible to make direct comparisons of census totals and current estimates because the dates to which the data related were different, and in some cases the areas to which the data related were different too. As livestock numbers vary seasonally, it was not considered reasonable to adjust census totals and current estimates to a common date for acceptable comparisons.

TABLE 6.1 - NUMBER OF COUNTRIES (AND RELATED INFORMATION) CLASSIFIED BY PERCENT OF HOLDINGS HAVING SPECIFIED LIVESTOCK

	Percentage of the total number of holdings having specified livestock								
	Under 10 %	10 to 19 %	20 to 29 %	30 to 39 %	40 to 49 %	50 to 59 %	60 to 69 %	70 % and over	Total
CATTLE									
Number of countries	4	4	4	9	2	6	7	12	48
Number of holdings (1 000)	96	2 717	6 368	15 335	2 434	2 786	15 752	12 565	58 053
Holdings with cattle (1 000)	4	431	1 668	5 552	978	1 573	10 810	9 427	30 443
Number of cattle (1 000)	25	1 405	6 919	33 131	2 265	7 563	67 170	209 597	328 075
Average number of cattle per holding ...	5.7	3.3	4.1	6.0	2.3	4.8	6.2	22.2	10.8
HORSES									
Number of countries	9	4	6	5	5	4	1	—	34
Number of holdings (1 000)	13 230	5 031	5 920	7 026	1 609	939	161	—	33 916
Holdings with horses (1 000)	753	622	1 645	2 329	687	505	103	—	6 644
Number of horses (1 000)	970	821	4 477	5 150	1 217	1 107	606	—	14 348
Average number of horses per holding	1.3	1.3	2.7	2.2	1.8	2.2	5.9	—	2.2
MULES									
Number of countries	10	1	1	1	—	—	—	—	13
Number of holdings (1 000)	5 577	1 209	3 008	1	—	—	—	—	9 795
Holdings with mules (1 000)	181	152	662	—	—	—	—	—	995
Number of mules (1 000)	354	342	1 158	—	—	—	—	—	1 854
Average number of mules per holding	2.0	2.2	1.7	1.2	—	—	—	—	1.9
ASSES									
Number of countries	3	2	2	2	2	1	—	2	14
Number of holdings (1 000)	506	1 210	3 169	871	3 730	146	—	3 520	13 152
Holdings with asses (1 000)	27	150	698	295	1 719	85	—	2 631	5 605
Number of asses (1 000)	61	294	858	606	2 555	122	—	3 520	8 016
Average number of asses per holding	2.3	2.0	1.2	2.1	1.5	1.4	—	1.3	1.4
BUFFALOES									
Number of countries	4	2	2	1	1	1	2	—	13
Number of holdings (1 000)	8 840	1 172	12 161	808	43	3 214	3 808	—	30 046
Holdings with buffaloes (1 000)	93	138	2 819	255	20	1 760	2 515	—	7 600
Number of buffaloes (1 000)	457	597	8 400	299	67	5 147	4 609	—	19 576
Average number of buffaloes per holding ..	4.9	4.3	3.0	1.2	3.4	2.9	1.8	—	2.6
SHEEP									
Number of countries	14	6	2	5	5	3	1	—	36
Number of holdings (1 000)	35 241	4 766	361	3 690	1 603	1 145	1 877	—	48 683
Holdings with sheep (1 000)	2 206	693	87	1 201	689	617	1 147	—	6 640
Number of sheep (1 000)	54 757	17 977	4 292	67 054	188 179	65 770	20 540	—	418 569
Average number of sheep per holding ..	24.8	25.9	49.3	55.8	273.1	106.6	17.9	—	63.0
GOATS									
Number of countries	12	9	5	1	3	1	1	—	32
Number of holdings (1 000)	21 893	10 639	14 047	1	1 302	12	1 877	—	49 771
Holdings with goats (1 000)	959	1 147	3 736	—	561	6	1 199	—	7 608
Number of goats (1 000)	5 843	10 796	15 322	2	5 537	35	15 349	—	52 884
Average number of goats per holding ...	6.1	9.4	4.1	12.5	9.9	5.9	12.8	—	7.0
PIGS									
Number of countries	3	4	3	4	8	8	4	9	43
Number of holdings (1 000)	3 499	6 162	4 707	3 618	5 749	7 826	5 051	5 317	41 929
Holdings with pigs (1 000)	41	751	1 105	1 361	2 361	3 941	3 411	4 150	17 121
Number of pigs (1 000)	287	1 443	4 838	4 297	10 760	79 255	13 234	29 081	143 195
Average number of pigs per holding ...	7.0	1.9	4.4	3.2	4.6	20.1	3.9	7.0	8.4

TABLE 6.2 - PERCENT OF HOLDINGS REPORTING SPECIFIED LIVESTOCK

	Date to which livestock numbers relate	Percent of holdings reporting						
		Cattle	Pigs	Sheep	Goats	Horses	Asses	Buffaloes
EUROPE								
Austria	June 1960	77	81	8	15	27	...	...
Belgium	May 1959	77	52	...	...	43	...	...
Denmark	July 1959	88	89	2	...	54	...	...
Finland	June 1959	...	...	...	...	53	...	...
France	Oct. 1963	73	...	...	...	39	...	...
Germany, Fed. Rep. of	May 1960	73	76	3	7	28	...	...
Greece	March 1961	32	...	34	42	...	...	...
Ireland	June 1960	71	31	24	...	40	...	...
Italy	April 1961	36	24	8	5	...	...	...
Malta and Gozo	Sept. 1960	10	11	42	50	...	...	...
Netherlands	May 1959	67	50	10	...	42	...	...
Norway	June 1959	...	58	55	4	49	...	...
Poland	June 1960	...	...	...	...	...	...	...
Spain	Oct. 1962	27	50	16	17	12	22	...
Yugoslavia	May 1960	67	68	...	...	29	...	1
NORTH AND CENTRAL AMERICA								
Barbados	Sept. 1961	...	...	...	...	...	...	...
Canada	June 1961	78	46	8	2	42	...	...
Costa Rica	April 1963	58	45	...	...	...	...	...
El Salvador	June 1961	39	46	...	...	...	...	...
Nicaragua	May 1963	49	78	...	...	...	...	...
Panama	April 1961	31	49	...	...	52	...	...
Puerto Rico	Nov. 1959	59	54	—	10	32	...	...
Trinidad and Tobago	Sept. 1963	...	...	...	...	...	...	...
United States	Oct. 1959	72	50	9	1	31	...	...
Virgin Islands (U.K.)	Sept. 1961	62	54	26	43	13	37	...
Virgin Islands (U.S.)	April 1960	24	37	19	37	29	18	...
SOUTH AMERICA								
Argentina	June 1960	70	41	32	...	...	...	...
Brazil	Sept. 1960	10	5	—	...	...	...	...
Chile	April 1965	61	65	35	13	55	5	...
Colombia	1960	36	46	12	3	31	12	...
Paraguay	Aug. 1961	69	73	11	3	64	7	...
Peru	July 1961	55	42	54	17	26	34	...
Surinam	Nov. 1959	...	...	...	...	5	...	...
Uruguay	May 1961	85	...	43	...	...	...	...
Venezuela	Feb. 1961	31	59	2	14	20	40	...
ASIA								
Brunei	Sept. 1964	6	15	...	4	...	...	28
Ceylon	July 1962	32	2	...	...	...	...	12
China (Taiwan)	Dec. 1960	36	80	...	3	...	...	32
Iran	Nov. 1960	85	—	61	64	14	74	4
Japan	Feb. 1960	39	12	9	8	9	...	...
Korea, Rep. of	Feb. 1961	40	43	...	...	...	...	...
Malaya, Fed. of	April 1960	14	4	4	11	...	...	...
North Borneo	Feb. 1961	6	39	2	10	4	...	46
Pakistan	1960	69	...	7	26	...	...	23
Philippines	May 1960	16	67	—	14	6	...	64
Sarawak	June 1960	3	97	...	5	...	...	3
Thailand	April 1963	26	38	—	—	1	...	55
Turkey	Sept. 1963	...	...	...	...	...	47	...
Viet-Nam, Rep. of	Oct. 1960	...	78	...	...	...	...	...
AFRICA								
Lesotho	Aug. 1960	59	28	32	28	39	24	...
Libya	Aug. 1960	28	...	49	49	15	59	...
Morocco	July 1962	73	...	41	...	...	...	...
Portuguese Guinea	1960/61	19	19	10	26	—	3	...
Senegal	Oct. 1960	21	...	...	15	...	...	...
United Arab Republic	May 1961	57	...	32	28	2	75	68
OCEANIA								
American Samoa	April 1960	—	82	...	...	4	...	...
Australia	March 1960	68	20	47	...	...	...	...
Guam	April 1960	50	60	...	22	2	...	14
New Zealand	Jan. 1960	...	...	54	...	...	...	...

TABLE 6.3 - CATTLE USED OR INTENDED FOR USE FOR DRAUGHT PURPOSES

	Total number of cattle	Number of cattle used or intended for use as work animals	Remarks regarding cattle used as work animals		Total number of cattle	Number of cattle used or intended for use as work animals	Remarks regarding cattle used as work animals
	<i>Thousands</i>				<i>Thousands</i>		
EUROPE	23 159	1 402		Uruguay	8 792	49	Oxen only
Austria	2 308	48		Venezuela	6 519	38	Oxen only
Belgium	2 643	13					
Norway	1 104	46	Oxen only	ASIA	213 023	90 449	
Poland	8 695	45	Oxen only	Ceylon	1 364	173	
Spain	3 175	133	Oxen and bulls only	India	173 839	71 347	
Yugoslavia	5 234	1 117		Japan	3 029	2 283	Work and beef animals
				Pakistan	33 802	16 457	
NORTH AND CENTRAL AMERICA	17 748	1 549		Philippines	989	189	
Costa Rica	1 051	31					
Dominican Republic ..	839	89		AFRICA	16 485	4 479	
Jamaica	240	58		South Africa	12 296	3 243	Oxen only
Mexico	15 324	1 355		Southern Rhodesia ...	1 552	441	Oxen only
Puerto Rico	294	16	Oxen only	South West Africa ...	2 440	746	Oxen only
				Zambia (European hold- ings only)	197	49	Oxen only
SOUTH AMERICA	20 207	258					
Paraguay	5 361	166	Oxen only	TOTAL	290 622	98 137	
Surinam	35	5					

TABLE 6.4 - COWS KEPT FOR MILK

	Total number of cattle	Cows kept primar- ily for milk pro- duction	Term used by country to describe cows kept for milk		Total number of cattle	Cows kept primar- ily for milk pro- duction	Term used by country to describe cows kept for milk
	<i>Thousands</i>				<i>Thousands</i>		
EUROPE	43 512	15 480		ASIA	216 341	31 001	
Austria	2 308	1 121	Cows for milk and meat	India	173 839	20 011	Breeding cows over 3 years old in milk
Belgium	2 643	1 002	Cows for milk only	Iran	5 492	2 005	Milk cows
France	18 652	7 339	Milk cows	Japan	3 029	747	Cows primarily for milk
Ireland	4 734	1 284	Cows for milk	Malaya, Fed. of	179	8	Milk cattle
Malta and Gozo	7	4	Cows for milk	Pakistan	33 802	8 230	Milk cows
Netherlands	3 396	1 565	Milk cows				
United Kingdom	11 772	3 165	Cows for milk				
				AFRICA	1 836	54	
NORTH AND CENTRAL AMERICA	96 395	17 398		Southern Rhodesia	1 552	38	Milk cows
Costa Rica	1 051	288	Cows and heifers mainly for milk	Tanganyika (commerical holdings only)	87	8	Cows in milk
Dominican Republic ..	839	147	Cows and heifers mainly for milk	Zambia (European hold- ings only)	197	8	Milk cows
El Salvador	916	208	Cows 2 years old and over for milk				
Panama	761	137	Cows primarily for milk	OCEANIA	22 495	5 130	
Puerto Rico	294	96	Milk cows	Australia	16 503	3 243	Milk cows 1 year old and over
United States	92 534	16 522	Milk cows	New Zealand	5 992	1 887	Dairy cows
				TOTAL	380 579	69 063	

TABLE 6.5 - PERCENT DISTRIBUTION OF CATTLE BY AGE AND SEX, BY CONTINENT

	Total	Europe	North and Central Amer- ica	South Amer- ica	Asia	Africa
Cattle						
Number of coun- tries reporting	21	2	2	5	7	5
Total number of cattle (1 000) ..	99 718	16 506	2 302	72 273	5 709	2 927
Percent distribu- tion by age and sex groups:						
Total	100.0	100.0	100.0	100.0	100.0	100.0
Male	33.5	31.9	37.9	34.4	28.2	27.0
Female	66.5	68.1	62.1	65.6	71.8	73.0

	Total	Europe	North and Central Amer- ica	South Amer- ica	Asia	Africa
Cattle under 2 years of age .	42.8	46.9	39.0	42.8	35.4	39.4
Male	47.2	47.2	48.8	48.0	38.3	40.7
Female	52.8	52.8	51.2	52.0	61.7	59.3
Cattle 2 years old and over	57.2	53.1	61.0	57.2	64.6	60.6
Male	23.2	18.3	30.9	24.2	22.8	18.1
Female	76.8	81.7	69.1	75.8	77.2	81.9

TABLE 6.6 - DISTRIBUTION OF CATTLE BY AGE AND SEX, BY COUNTRY

	Date to which data relate	Cattle of all ages			Cattle under 2 years of age			Cattle 2 years of age and over		
		Total		Number of holdings reporting	Male (number)	Female (number)	Total number	Male (number)	Female (number)	Total number
		Number of holdings reporting	Number							
EUROPE		...	93 042 013		...	...	...	...	...	...
Austria	1960	303 385	2 308 102		...	...	956 065	...	...	1 352 037
Belgium	1959	208 410	2 642 957		...	...	1 402 118	...	...	1 240 839
Denmark	1959	173 239	3 379 143		...	...	1578 829	...	...	21 370 367
Finland	1959	1 949 196	18 632 320		...	...	...	...	...	...
France	1963	1 378 180	...		...	...	...	...	...	...
Germany, Fed. Rep. of	1960	1 248 206	13 100 249		...	...	...	...	...	...
Greece	1961	365 056	1 054 805		...	...	...	...	...	...
Ireland	1960	253 948	4 734 401		1 906 206	2 828 195	2 198 786	1 152 939	1 045 847	2 535 615
Italy	1961	1 537 568	9 485 095		...	...	1 464	...	...	5 147
Malta and Gozo ..	1960	1 224	6 611		...	...	...	...	...	...
Netherlands	1959	200 998	3 396 116		...	...	...	...	...	...
Norway	1959	...	1 104 482		...	...	...	...	...	...
Poland	1960	...	8 695 091		...	...	11 852 235	...	...	26 842 856
Spain	1962	801 542	3 175 179		...	...	41 111 307	...	...	82 063 872
Sweden	1961	...	2 352 198		...	...	...	...	...	...
United Kingdom ..	1960	1 746 164	11 772 000		3 360 000	8 412 000	5 543 000	2 505 000	3 038 000	6 229 000
Yugoslavia	1960	...	5 234 068		...	...	2 018 912	...	...	3 215 156
NORTH AND CENTRAL AMERICA		...	125 179 838		...	...	...	...	...	...
Antigua and Barbuda	1961	...	6 138		1 479	4 659	...	...	...	...
Barbados	1961	...	9 753		797	8 951	...	...	...	...
Canada	1961	375 058	11 941 184		...	...	66 351 668	...	...	5 589 516
Costa Rica	1963	37 167	1 051 094		415 343	635 751	485 512	235 490	250 022	565 582
Dominican Republic	1960	...	839 037		...	...	367 439	...	...	471 598
El Salvador	1961	87 212	916 480		...	...	304 324	...	...	612 156
Jamaica	1961	...	240 024		...	...	...	...	...	...
Mexico	1960	...	15 323 706		...	...	3 470 530	...	...	10 640 347
Nicaragua	1963	50 327	1 251 763		456 810	794 953	413 291	203 332	209 959	838 472
Panama	1961	29 294	760 935		251 603	509 332	266 356	...	...	494 579
Puerto Rico	1959	26 957	294 106		...	...	...	...	...	...
United States	1959	2 674 174	92 534 082		...	...	...	...	...	...
Virgin Islands (U. K.)	1961	490	3 153		723	2 430	...	...	...	...
Virgin Islands (U. S.)	1960	118	8 383		...	...	...	...	...	...
SOUTH AMERICA		...	80 540 149		...	...	...	...	...	...
Argentina	1960	329 565	43 520 522		14 543 250	28 977 272	21 396 333	10 156 850	11 239 483	22 124 189
Brazil	1960	339 949	...		...	...	...	...	...	...
Chile	1965	137 818	2 870 171		1 460 787	1 409 384	972 151	783 940	288 211	1 798 020
Colombia	1960	440 320	2 643 589		3 485 963	6 157 626	3 661 371	1 741 255	1 920 116	5 982 218
Paraguay	1961	111 013	75 361 400		...	...	82 575 409	...	...	92 065 799
Peru	1961	481 138	3 798 052		1 500 245	2 297 807	1 433 737	747 657	686 080	2 364 315
Surinam	1959	...	35 088		12 070	23 018	...	...	...	...
Uruguay	1961	73 528	8 792 428		3 173 575	5 618 853	11 771 083	869 809	901 274	27 021 345
Venezuela	1961	100 337	6 518 899		2 174 095	4 344 804	2 652 517	1 322 985	1 529 532	3 866 382

TABLE 6.6 - DISTRIBUTION OF CATTLE BY AGE AND SEX, BY COUNTRY (concluded)

	Date to which data relate	Cattle of all ages					Cattle under 2 years of age			Cattle 2 years of age and over		
		Total		Male (number)	Female (number)	Total number	Male (number)	Female (number)	Total number	Male (number)	Female (number)	
		Number of holdings reporting	Number									
ASIA		...	235 984 556	...	...	...	...	...	...	...	...	...
Brunei	Sept. 1964	400	2 084	...	...	...	...	...	...	...	...	...
Ceylon	July 1962	371 758	101 363 785	710	1 374	803	368	435	1 281	342	939	...
China (Taiwan)	Dec. 1960	288 220	357 872	478 846	805 987	8749 582	308 240	441 342	9 106 14 203	170 606	364 645	...
India	July 1960	...	173 839 000	183 681	174 191	46 264	19 841	26 423	311 608	163 840	147 768	...
Iran	Nov. 1960	1 603 987	5 491 957	...	...	444 066 000	...	...	5129 773 000	76 720 000	53 053 000	...
Iraq	Nov. 1958	...	855 583	162 327	693 256	...	...	...	...	...	...	...
Japan	Feb. 1960	2 331 780	3 029 414	602 884	2 426 530	847 085	277 960	569 125	2 182 329	324 924	1 857 405	...
Korea, Rep. of	Feb. 1961	927 536	111 013 143	341 179	670 674	368 237	163 925	204 312	645 616	177 254	466 362	...
Malaya, Fed. of	April 1960	64 455	178 925	...	...	...	...	...	...	...	...	...
North Borneo	Feb. 1961	2 566	114 535	4 737	9 679	6 035	2 813	3 222	8 381	1 924	6 457	...
Pakistan	1960	8 421 848	33 801 508	...	...	...	...	...	...	...	...	...
Philippines	May 1960	348 169	988 783	...	...	345 616	...	...	643 167	328 446	314 721	...
Sarawak	June 1960	1 448	8 441	2 740	5 701	2 779	1 205	1 574	5 662	1 535	4 127	...
Thailand	April 1963	826 196	3 624 359	1 951 564	1 672 795	...	...	...	7 187 868	...	...	...
Turkey	Sept. 1963	...	10 378 920	...	...	3 191 052	...	...	...	...	...	...
Viet-Nam, Rep. of ..	Oct. 1960	...	1 036 247	578 813	457 434	...	...	...	...	...	...	...
AFRICA		...	33 845 506	...	...	...	...	...	...	...	...	...
Kenya	May 1960	...	2 577 000	...	...	...	...	...	...	...	...	...
Lesotho	Aug. 1960	94 667	546 445	255 042	291 403	111 757	54 063	57 694	434 688	200 979	233 709	...
Libya	Aug. 1960	40 754	111 411	19 945	91 466	27 117	14 081	13 036	84 294	5 864	78 430	...
Madagascar	1961/62	...	4 619 000	...	...	...	...	...	...	...	...	...
Mali	1960	...	928 510	...	...	...	...	...	...	...	...	...
Morocco	July 1962	805 000	2 500 000	56 166	174 120	1675 000	41 380	54 490	21 825 000	14 786	119 630	...
Portuguese Guinea ..	1960/61	16 841	230 286	...	...	95 870	...	...	134 416	...	...	...
Senegal	1960/61	61 700	1 589	...	...	600	...	...	989	...	...	...
Seychelles	Oct. 1960	...	12 294 604	...	...	4 036 738	...	...	8 257 866	...	...	...
South Africa	June 1960	...	1 552 097	...	...	...	...	...	...	...	...	...
Southern Rhodesia ..	Sept. 1960	...	2 439 754	...	...	811 864	...	...	1 627 890	...	...	...
South West Africa ..	June 1960	...	...	...	...	...	...	...	...	...	...	...
Tanganyika (large commercial holdings)	Oct. 1960	...	87 401	...	...	...	...	...	...	...	...	...
Togo	1961	...	171 530	44 290	127 240	61 350	30 570	30 780	110 180	13 720	96 460	...
Tunisia	1961/62	...	557 800	...	...	...	...	...	...	...	...	...
Uganda	1963/64	...	3 164 000	1 073 000	2 091 000	...	...	...	...	...	...	...
United Arab Republic ..	May 1961	932 498	1 866 971	415 174	1 451 797	4856 942	329 390	527 552	51 010 029	85 784	924 245	...
Zambia (European holdings)	Sept. 1960	...	197 108	...	...	...	...	...	...	...	...	...
OCEANIA		...	22 501 258	...	...	3 329 435	...	...	...	...	...	...
American Samoa ..	April 1960	...	190	...	...	...	...	...	...	...	...	...
Australia	March 1960	172 132	16 503 270	...	...	13 329 435	...	...	213 173 835	...	...	...
Guam	April 1960	1 021	5 860	...	...	...	...	...	...	...	...	...
New Zealand	Jan. 1960	...	5 991 938	1 182 209	4 809 729	...	...	...	...	...	...	...
TOTAL		...	591 093 320	...	...	...	...	...	...	...	...	...

¹ Under 1 year old. — ² 1 year old and over. — ³ Data for holdings 0.4 ha. and over. — ⁴ 3 years old and under. — ⁵ Over 3 years old. — ⁶ Includes all steers 1 year old and over. — ⁷ Includes some cattle not distributed by age. — ⁸ Under 3 years old. — ⁹ 3 years old and over. — ¹⁰ Includes some cattle not distributed by sex. — ¹¹ Includes some cattle not distributed by sex and age. — ¹² Data are for holdings 0.32 ha. and over.

TABLE 6.7 - DISTRIBUTION OF CATTLE BY AGE AND SEX FOR SPECIFIED COUNTRIES

	Number of holdings reporting	Total			Cattle under 2 years of age			Cattle 2 years of age and over		
		Number	Male (number)	Female (number)	Total number	Male (number)	Female (number)	Total number	Male (number)	Female (number)
EUROPE		16 506 401	5 266 206	11 240 195	7 741 786	3 657 939	4 083 847	8 764 615	1 608 267	7 156 348
Ireland	253 948	4 734 401	1 906 206	2 828 195	2 198 786	1 152 939	1 045 847	2 535 615	753 267	1 782 348
United Kingdom ...	267 700	11 772 000	3 360 000	8 412 000	5 543 000	2 505 000	3 038 000	6 229 000	855 000	5 374 000
NORTH AND CENTRAL AMERICA		2 302 857	872 153	1 430 704	898 803	438 822	459 981	1 404 054	433 331	970 723
Costa Rica	37 167	1 051 094	415 343	635 751	485 512	235 490	250 022	565 582	179 853	385 729
Nicaragua	50 327	1 251 763	456 810	794 953	413 291	203 332	209 959	838 472	253 478	584 994
SOUTH AMERICA		72 273 490	24 877 128	47 396 362	30 915 041	14 838 556	16 076 485	41 358 449	10 038 572	31 319 877
Argentina	329 565	43 520 522	14 543 250	28 977 272	21 396 333	10 156 850	11 239 483	22 124 189	4 386 400	17 737 789
Colombia	440 320	9 643 589	3 485 963	6 157 626	3 661 371	1 741 255	1 920 116	5 982 218	1 744 708	4 237 510
Peru	481 138	3 798 052	1 500 245	2 297 807	1 433 737	747 657	686 080	2 364 315	752 588	1 611 727
Uruguay	73 528	8 792 428	3 173 575	5 618 853	1 771 083	869 809	901 274	7 021 345	2 303 766	4 717 579
Venezuela	100 337	6 518 899	2 174 095	4 344 804	2 652 517	1 322 985	1 329 532	3 866 382	851 110	3 015 272
ASIA		5 708 913	1 614 777	4 094 136	2 020 785	774 352	1 246 433	3 688 128	840 425	2 847 703
Brunei	400	2 084	710	1 374	803	368	435	1 281	342	939
Ceylon	371 758	1 284 833	478 846	805 987	749 582	308 240	441 342	535 251	170 606	364 645
China (Taiwan)	288 220	357 872	183 681	174 191	46 264	19 841	26 423	311 608	163 840	147 768
Japan	2 331 780	3 029 414	602 884	2 426 530	847 085	277 960	569 125	2 182 329	324 924	1 857 405
Korea, Rep. of	927 536	1 011 853	341 179	670 674	368 237	163 925	204 312	643 616	177 254	466 362
North Borneo	2 566	14 416	4 737	9 679	6 035	2 813	3 222	8 381	1 924	6 457
Sarawak	1 448	8 441	2 740	5 701	2 779	1 205	1 574	5 662	1 535	4 127
AFRICA		2 926 643	790 617	2 136 026	1 153 036	469 484	683 552	1 773 607	321 133	1 452 474
Lesotho	94 667	546 445	255 042	291 403	111 757	54 063	57 694	434 688	200 979	233 709
Libya	40 754	111 411	19 945	91 466	27 117	14 081	13 036	84 294	5 864	78 430
Portuguese Guinea ..	16 841	230 286	56 166	174 120	95 870	41 380	54 490	134 416	14 786	119 630
Togo	...	171 530	44 290	127 240	61 350	30 570	30 780	110 180	13 720	96 460
United Arab Republic	932 498	1 866 971	415 174	1 451 797	856 942	329 390	527 552	1 010 029	85 784	924 245
TOTAL		99 718 304	33 420 881	66 297 423	42 729 451	20 179 153	22 550 298	56 988 853	13 241 728	43 747 125

TABLE 6.8 - HOLDINGS WITH CATTLE BY NUMBER OF CATTLE PER HOLDING

	Total number of cattle on all holdings	Number of holdings with cattle	Number of holdings reporting specified number of cattle					
			1 head	2 to 4 head	5 to 10 head	11 to 20 head	21 to 50 head	51 head and over
EUROPE	20 258 569	2 200 924	295 642	765 007	587 255	322 693	191 106	39 221
Belgium	2 642 957	208 410	15 117	49 525	55 808	48 817	34 474	4 669
Ireland	4 734 401	253 948	3 978	34 944	74 195	71 131	54 800	14 900
Italy	9 485 095	1 537 568	268 277	651 062	412 000	143 245	51 332	11 652
Netherlands	3 396 116	200 998	8 270	29 476	45 252	59 500	50 500	8 000
NORTH AND CENTRAL AMERICA	108 378 095	3 243 662	196 360	529 804	552 477	568 194	883 892	512 935
Canada	11 941 184	375 058	5 816	27 042	52 600	83 900	150 300	55 400
Costa Rica	1 051 094	37 167	2 266	11 164	9 197	5 685	4 934	3 921
Dominican Republic	839 037	77 642	14 182	35 945	14 354	6 766	4 250	2 145
Nicaragua	1 251 763	50 327	2 815	17 440	13 326	7 243	5 208	4 295
Panama	760 935	29 294	2 281	8 213	7 000	4 600	4 200	3 000
United States	92 534 082	2 674 174	169 000	430 000	456 000	460 000	715 000	444 174
SOUTH AMERICA	62 553 181	1 028 040	47 945	294 415	297 150	75 656	125 610	187 264
Argentina	43 520 522	329 565	...	...	¹ 130 400	...	68 894	130 271
Chile	2 870 171	157 818	...	² 81 992	41 126	16 300	9 800	8 600
Colombia	9 643 589	440 320	40 633	180 774	103 793	47 300	35 600	32 200
Venezuela	6 518 899	100 337	7 292	31 649	21 831	12 056	11 316	16 193
ASIA	1 013 143	927 536	856 310	70 232	994	—	—	—
Korea, Rep. of	1 013 143	927 536	856 310	70 232	³ 994	—	—	—
AFRICA	5 165 445	552 425	...	273 246	146 330	68 393	51 787	12 669
Lesotho	546 445	94 667	...	² 50 100	31 918	10 693	1 687	269
Madagascar	4 619 000	457 758	...	² 223 146	114 412	57 700	50 100	12 400
TOTAL	197 368 433	7 952 587	1 396 257	1 932 704	1 584 206	1 034 936	1 252 395	752 089

¹ 1 to 20 head. — ² 1 to 4 head. — ³ 5 head and over.

TABLE 6.9 - CATTLE BY SIZE OF HOLDING

	Total number of cattle	Under 1 ha	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and over
EUROPE	80 208 597	1 320 530	12 625 149	16 014 372	20 523 279	19 360 583	5 960 839	2 309 847	2 093 998
Austria	2 308 102	20 000	216 427	327 639	642 593	768 882	188 832	84 791	58 938
Belgium	2 642 957	45 123	446 900	689 370	824 732	486 434	126 035	24 363	—
Denmark	3 379 143	11 610	121 988	524 735	1 057 810	1 252 000	263 000	118 000	30 000
Finland	1 949 196	44 137	439 736	608 725	565 062	247 071	31 131	13 334	—
France	18 652 320	3 470	627 280	1 674 940	4 682 460	7 593 850	2 897 530	915 690	257 100
Germany, Fed. Rep. of ..	13 100 249	172 000	1 449 098	2 738 243	4 216 491	3 518 399	732 932	211 086	62 000
Ireland	4 734 401	34 401	203 000	286 000	1 281 000	1 790 000	753 000	311 000	76 000
Italy	9 485 095	240 409	2 235 167	2 266 754	2 260 241	1 405 672	563 443	311 805	201 604
Netherlands	3 396 116	37 198	321 452	806 064	1 279 062	886 842	59 146	6 352	—
Norway	1 104 482	19 377	404 393	369 427	201 455	91 934	13 985	3 911	—
Poland	8 695 091	208 891	2 670 300	2 888 000	1 679 900	242 300	41 900	45 500	918 300
Spain	3 175 179	261 660	990 790	721 022	531 884	305 252	102 378	70 292	191 901
Sweden	2 352 198	1 400	220 114	506 916	663 460	601 244	180 844	178 220	—
Yugoslavia	5 234 068	220 854	2 278 504	1 606 537	637 129	170 703	6 683	15 503	298 155
NORTH AND CENTRAL AMERICA	108 695 562	87 908	1 086 472	1 230 045	2 705 345	12 510 977	23 952 637	23 288 539	43 833 639
Canada	11 941 184	3 000	36 000	76 000	149 000	1 658 000	2 661 000	3 031 000	4 327 184
Costa Rica	1 051 094	2 081	27 789	39 382	64 418	145 519	159 065	145 139	467 701
El Salvador	916 480	60 553	174 721	76 281	94 511	135 608	95 219	75 927	203 660
Jamaica	240 024	19 575	50 000	13 400	12 800	11 000	10 100	6 300	116 849
Nicaragua	1 251 763	1 700	36 200	50 700	81 300	152 000	159 600	190 500	579 763
Panama	760 935	999	23 680	35 282	69 316	136 850	121 653	103 673	269 482
United States	92 534 082	...	738 082	939 000	2 234 000	10 272 000	20 746 000	19 736 000	37 869 000
SOUTH AMERICA	28 788 056	878 163	2 219 248	1 125 658	1 210 241	1 810 361	1 832 567	2 254 182	17 457 636
Colombia	9 643 589	77 624	498 491	501 669	649 845	1 055 876	1 023 008	1 177 845	4 659 231
Peru	3 798 052	770 803	1 515 224	438 199	263 170	171 704	104 094	101 576	433 282
Surinam	35 088	2 389	16 427	7 441	3 755	2 235	1 391	252	1 198
Uruguay	8 792 428	—	25 637	47 928	98 249	243 676	330 188	494 210	7 552 540
Venezuela	6 518 899	27 347	163 469	130 421	195 222	336 870	373 886	480 299	4 811 385
ASIA	221 350 713	51 403 509	109 457 060	35 038 435	17 459 666	6 400 162	1 454 217	98 736	38 928
China (Taiwan)	357 872	139 191	208 816	9 865	—	—	—	—	—
India	173 839 000	38 818 000	85 740 000	28 454 000	14 324 000	5 254 000	1 249 000	—	—
Iran	5 491 957	1 188 858	1 665 297	1 059 596	929 947	487 656	72 277	51 226	37 100
Japan	3 029 414	1 216 017	1 628 828	88 667	65 278	30 624	—	—	—
Korea, Rep. of	1 013 143	512 354	500 789	—	—	—	—	—	—
Malaya, Fed. of	178 925	48 679	112 000	13 000	3 316	832	160	130	808
North Borneo	14 535	1 015	4 270	3 230	1 790	2 050	780	380	1 020
Pakistan	33 801 508	9 180 036	17 557 060	4 479 077	1 828 335	579 000	131 000	47 000	—
Thailand	3 624 359	299 359	2 040 000	931 000	307 000	46 000	1 000	—	—
AFRICA	19 724 774	934 916	2 014 700	498 000	879 800	1 077 800	1 473 300	1 674 700	11 171 558
Kenya	2 577 000	97 400	750 000	230 000	520 900	3 900	6 900	21 100	946 800
Lesotho	546 445	103 445	377 400	56 900	8 000	700	—	—	—
South Africa	12 294 604	5 800	54 800	86 800	282 000	990 000	1 381 000	1 455 000	8 039 204
South West Africa	2 439 754	—	—	1 600	3 700	17 000	33 300	198 600	2 185 554
United Arab Republic ..	1 866 971	728 271	832 500	122 700	65 200	66 200	52 100	—	—
OCEANIA	5 991 938	—	7 000	16 592	79 325	1 018 223	1 313 204	934 909	2 622 685
New Zealand	5 991 938	—	7 000	16 592	79 325	1 018 223	1 313 204	934 909	2 622 685
TOTAL	464 759 640	54 625 026	127 409 629	53 923 102	42 857 656	42 178 106	35 986 764	30 560 913	77 218 444

TABLE 6.10 - HORSES BY CONTINENT

	Total	Europe	North and Central America	South America	Asia	Africa	Oceania
Number of countries included in census summary	83	17	16	9	18	19	4
Countries reporting number of horses	60	17	13	9	6	11	4
Number of horses (1 000)	29 563	8 763	6 863	9 632	2 702	858	745
Percent distribution of horses	100	29.7	23.2	32.6	9.1	2.9	2.5

TABLE 6.11 - HORSES BY SIZE OF HOLDING

	Total number of horses	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and over
EUROPE	5 443 810	1 194 896	1 428 238	1 385 423	1 008 482	245 202	181 569
Austria	155 898	10 202	21 928	50 153	53 076	11 308	9 231
Belgium	169 745	39 997	50 958	47 622	24 127	5 742	1 299
Denmark	211 755	18 820	64 438	63 297	51 400	9 500	4 300
Finland	253 741	54 953	90 354	75 217	28 663	3 190	1 364
France	1 097 780	70 170	168 130	353 130	362 610	102 090	41 650
Germany, Fed. Rep. of ...	751 992	63 689	159 847	291 914	188 723	33 379	14 440
Ireland	222 029	15 529	16 700	75 300	78 200	23 900	12 400
Italy	389 143	143 554	84 999	66 239	48 587	22 341	23 423
Netherlands	196 106	21 725	52 512	67 793	47 947	5 357	772
Norway	116 815	50 085	39 368	18 545	7 781	931	105
Spain	445 181	152 415	90 269	76 437	59 581	20 792	45 687
Sweden	168 350	30 407	59 071	43 746	24 084	5 616	5 426
Yugoslavia	1 265 275	523 350	529 664	156 030	33 703	1 056	21 472
NORTH AND CENTRAL AMER- ICA	3 607 422	105 105	142 799	302 787	711 481	685 338	1 659 912
Canada	512 021	3 800	5 400	10 700	82 200	106 300	303 621
Costa Rica	100 145	8 049	9 399	12 087	21 281	16 038	33 291
United States ¹	2 995 256	93 256	128 000	280 000	608 000	563 000	1 323 000
SOUTH AMERICA	3 202 627	1 561 948	334 074	257 166	244 971	162 181	642 287
Colombia	898 790	178 839	131 417	130 408	139 865	85 228	233 033
Peru	1 907 009	1 348 758	181 416	100 888	72 093	52 997	150 857
Surinam ¹	977	526	202	101	88	31	29
Venezuela	395 851	33 825	21 039	25 769	32 925	23 925	258 368
ASIA	1 002 009	721 194	122 524	94 159	50 994	7 748	5 390
Iran	347 126	168 151	69 461	57 642	38 734	7 748	5 390
Japan	654 883	553 043	53 063	36 517	12 260	—	—
TOTAL	13 255 868	3 583 143	2 027 635	2 039 535	2 015 928	1 100 469	2 489 158

¹ Data are for horses and mules.

TABLE 6.12 - MULES BY SIZE OF HOLDING

	Total number of mules	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and over
EUROPE	1 549 867	438 878	278 616	297 412	299 748	100 559	134 654
Italy	366 149	203 564	78 398	40 531	23 978	8 626	11 052
Spain	1 158 108	222 073	193 385	253 375	274 143	91 890	123 242
Yugoslavia	25 610	13 241	6 833	3 506	1 627	43	360
SOUTH AMERICA	536 634	118 542	64 556	68 658	81 091	52 624	151 163
Colombia	342 482	43 359	38 966	48 495	61 989	42 469	107 204
Peru	128 813	68 412	19 367	11 432	8 075	3 575	17 952
Venezuela	65 339	6 771	6 223	8 731	11 027	6 580	26 007
ASIA	99 036	44 551	18 761	18 400	12 128	4 005	1 191
Iran	99 036	44 551	18 761	18 400	12 128	4 005	1 191
TOTAL	2 185 537	601 971	361 933	384 470	392 967	157 188	287 008

TABLE 6.13 - ASSES BY SIZE OF HOLDING

	Total number of asses	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and over
EUROPE	1 354 313	820 583	234 973	146 016	90 468	26 832	35 441
Italy	435 483	303 425	71 665	31 350	16 758	6 399	5 886
Spain	761 037	405 410	131 120	103 518	71 001	20 433	29 555
Yugoslavia	157 793	111 748	32 188	11 148	2 709	—	—
SOUTH AMERICA	1 303 530	715 768	164 036	110 363	100 632	60 396	152 335
Colombia	293 915	110 116	32 091	30 152	40 505	30 053	50 998
Peru	604 604	467 567	65 736	27 250	16 751	7 162	20 138
Venezuela	405 011	138 085	66 209	52 961	43 376	23 181	81 199
ASIA	1 992 814	1 125 190	352 523	297 252	179 215	26 166	12 468
Iran	1 992 814	1 125 190	352 523	297 252	179 215	26 166	12 468
TOTAL	4 650 657	2 661 541	751 532	553 631	370 315	113 394	200 244

TABLE 6.14 - HORSES, MULES, ASSES AND BUFFALOES BY COUNTRY (concluded)

	Horses (all ages)			Mules (all ages)		Asses (all ages)		Buffaloes				
	Date to which data relate	Number of holdings reporting		Number of holdings reporting	Number	Number of holdings reporting	Number	Total (all ages)		Under 3 years of age (number)	3 years of age and over	
		Number of holdings reporting	Number					Number of holdings reporting	Number		Total number	Intended primarily as draught animals (number)
ASIA		...	2 702 394	...	429 119	...	4 669 514	...	69 210 882	17 146 478	37 195 739	13 087 307
Brunei	Sept. 1964	...	...	...	...	...	...	1 785	8 770	3 143	5 627	117 276
Ceylon	July 1962	...	...	...	...	...	...	137 717	596 481	255 886	340 595	150 127
China (Taiwan)	Dec. 1960	...	...	...	...	...	...	254 998	299 351	834 270	265 081	8 153 000
India	July 1960	...	...	...	...	...	...	49 460 000	49 460 000	15 827 300	33 632 700	...
Iran	Nov. 1960	253 491	347 126	73 032	99 036	1 390 522	1 992 814	67 281	372 427	...	...	...
Iraq	Nov. 1958	...	194 631	...	100 830	...	526 402	...	44 392	...	...	...
Japan	Feb. 1960	560 669	654 883	...	...	...	...	...	205 123	...	...	...
Malaya, Fed. of	April 1960	1 665	4 486	...	...	...	...	19 795	66 787	21 462	45 325	...
North Borneo	Feb. 1961	...	...	...	...	...	...	2 817 477	8 391 520	...	...	2 803 742
Pakistan	1960	...	...	...	...	...	...	...	...	...	...	...
Philippines	May 1960	121 968	201 534	...	...	...	...	1 395 206	2 827 522	676 327	2 151 195	1 863 162
Sarawak	June 1960	...	...	...	...	...	...	1 520	6 742	2 326	4 416	...
Thailand ¹⁰	April 1963	40 820	63 470	...	...	...	...	1 760 042	5 147 034	325 764	750 800	...
Turkey	Sept. 1963	...	1 236 264	...	229 253	1 592 701	2 150 298	...	1 076 564	...	...	...
Viet-Nam, Rep. of	Oct. 1960	...	...	...	...	...	...	...	708 169	...	...	...
AFRICA		...	857 892	...	155 069	1 366 848	2 529 129	...	1 781 389	638 852	1 142 537	...
Lesotho	Aug. 1960	63 586	135 026	2 062	7 365	39 443	96 519	...	...	...	...	...
Libya	Aug. 1960	21 216	28 968	1 813	3 251	85 230	122 165	...	...	...	...	...
Mali	1960	...	41 240	...	...	...	85 960	...	...	...	...	...
Portuguese Guinea	1960/61	48	64	...	...	2 558	3 858	...	...	...	...	...
South Africa	June 1960	...	471 599	...	56 714	...	376 901	...	...	...	...	...
Southern Rhodesia (European holdings)	Sept. 1960	...	6 775	...	1 016	...	2 320	...	...	...	...	...
South West Africa	June 1960	...	41 932	...	3 956	...	71 509	...	...	...	...	...
Tanganyika (large commercial holdings)	Oct. 1960	...	2182	...	...	...	...	...	...	...	...	...
Tunisia	1961/62	...	87 800	...	74 200	...	243 200	...	...	...	...	...
United Arab Republic	May 1961	26 896	43 944	4 561	8 544	1 239 617	1 526 624	1 119 387	1 781 389	11 638 852	131 142 537	...
Zambia (European holdings)	Sept. 1960	...	362	...	23	...	73	...	...	...	...	...
OCEANIA		...	745 032	...	...	...	...	...	984	...	...	...
American Samoa	April 1960	588	5116	...	...	...	...	...	...	...	...	...
Australia	March 1960	...	639 797	...	...	...	...	...	...	...	...	...
Guam	April 1960	36	124	...	...	...	...	293	984	...	...	...
New Zealand	Jan. 1960	...	104 995	...	...	...	...	...	...	...	...	...
TOTAL		...	29 563 349	...	4 276 004	...	12 202 825	...	71 071 168	...	...	13 107 521

¹ Mules and asses. — ² Horses, mules and asses. — ³ Data are for holdings of 0.4 ha in Ireland and for individual holdings only in Yugoslavia. — ⁴ Age not specified. — ⁵ Horses and mules. — ⁶ Working horses. — ⁷ Horses and asses. — ⁸ Under 2 years old. — ⁹ 2 years old and over. — ¹⁰ Data are for holdings 0.32 ha and over. — ¹¹ 3 years old and under. — ¹² Over 3 years old.

TABLE 6.15 - BUFFALOES BY CONTINENT

	Total	Europe	North and Central America	South America	Asia	Africa	Oceania
Number of countries included in census summary	83	17	16	9	18	19	4
Countries reporting number of buffaloes	19	2	—	1	14	1	1
Number of buffaloes (1 000)	71 071	78	—	—	69 211	1 781	1
Percent distribution of buffaloes	100.0	0.1	—	—	97.3	2.6	—

TABLE 6.16 - BUFFALOES BY SIZE OF HOLDING

	Total number of buffaloes	Under 1 ha	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and under 200	200 ha and over
EUROPE	77 715	1 440	29 840	21 643	7 817	4 955	3 432	5 696	2 892
Italy	22 747	185	2 201	1 811	2 299	4 231	3 432	5 696	2 892
Yugoslavia (individual holdings only)	54 968	1 255	27 639	19 832	5 518	724	—	—	—
ASIA	63 942 242	14 204 665	29 632 376	11 928 963	5 826 557	1 883 416	439 241	24 880	2 144
China (Taiwan)	299 351	109 211	183 484	6 656	1	1	1	1	1
India	49 460 000	11 143 000	23 036 000	8 806 000	4 525 000	1 576 000	374 000	1	1
Iran	372 427	123 476	72 000	40 366	76 738	51 376	5 011	1 760	1 700
Malaya, Fed. of	205 123	41 034	140 300	18 900	4 055	640	30	20	144
North Borneo	66 787	8 487	34 100	15 500	5 700	2 400	200	100	300
Pakistan	8 391 520	2 341 423	3 275 492	1 699 541	792 064	201 000	59 000	23 000	1
Thailand	5 147 034	438 034	2 891 000	1 342 000	423 000	52 000	1 000	1	1
AFRICA	1 781 389	910 289	698 500	76 400	36 300	33 100	26 800	1	1
United Arab Rep.	1 781 389	910 289	698 500	76 400	36 300	33 100	26 800	1	1
TOTAL	65 801 346	15 116 394	30 360 716	12 027 006	5 870 674	1 921 471	469 473	30 576	5 036

¹ Included in last group for which data are given.

TABLE 6.17 - SHEEP AND GOATS BY CONTINENT

	Total	Europe	North and Central America	South America	Asia	Africa	Oceania
Sheep							
Number of countries reporting	62	16	10	8	9	17	2
Total number of sheep (1 000)	550 422	85 258	39 945	95 089	64 577	63 245	202 308
Percent distribution	100.0	15.5	7.3	17.3	11.7	11.5	36.7
Goats							
Number of countries reporting	58	9	10	7	13	18	1
Total number of goats (1 000)	100 067	8 292	11 224	7 379	51 681	21 488	3
Percent distribution	100.0	8.3	11.2	7.4	51.6	21.5	—

TABLE 6.18 - PERCENT DISTRIBUTION OF SHEEP AND GOATS BY AGE, BY CONTINENT

	Total	Europe	South America	Asia	Africa
Sheep					
Number of countries reporting	8	3	1	2	2
Total number of sheep (1 000)	20 069	17 940	92	729	1 309
Percent distribution by age groups:					
Lambs under 1 year of age	18.4	18.6	33.6	33.6	18.4
Sheep 1 year old and over	81.6	81.4	66.4	66.4	81.6
Goats					
Number of countries reporting	8	3	1	2	2
Total number of goats (1 000)	6 616	2 508	1 270	1 498	1 339
Percent distribution by age groups:					
Goats under 1 year of age	23.4	13.2	34.5	34.5	23.0
Goats 1 year old and over	76.6	86.8	65.5	65.5	77.0

TABLE 6.19 - DISTRIBUTION OF SHEEP AND GOATS BY AGE, BY COUNTRY

	Date to which data relate	Sheep				Goats			
		Total number of holdings reporting	Total number of sheep, all ages	Lambs under 1 year of age (number)	Sheep 1 year of age and over (number)	Total number of holdings reporting	Total number of goats, all ages	Goats under 1 year of age (number)	Goats 1 year of age and over (number)
EUROPE		...	85 257 802	...	...	...	8 292 373	...	...
Austria	1960	32 348	179 468	...	...	58 073	103 630	...	...
Belgium	May 1959	...	112 162	51 256	60 906	...	8 488	1 790	6 698
Denmark	July 1959	3 160	41 989	1 171 420	2 209 391	...	3 571	...	...
Finland	June 1959	...	380 811	...	...	127 130	231 956	...	...
Germany, Fed. Rep. of	May 1960	51 765	1 123 492	...	...	489 829	4 338 649	...	...
Greece	March 1961	387 607	8 221 308	1 821 338	2 469 090	223 558	1 097 967	...	...
Ireland	June 1960	86 830	4 290 428	...	...	5 890	34 688	...	...
Italy	April 1961	361 781	6 574 631	1 927	11 089	...	...	4 701	29 987
Malta and Gozo	Sept. 1960	4 979	13 016	275 866	245 898	...	...	...	...
Netherlands	May 1959	31 512	521 764	...	...	...	...	...	...
Norway	June 1959	109 390	1 806 036	945 227	860 809	7 160	100 894	25 162	75 732
Poland	June 1960	...	3 661 460	1 419 264	2 242 196	509 965	2 372 530	300 158	2 072 372
Spain	Oct. 1962	493 994	16 120 935	2 400 976	13 719 959	...	...	...	...
Sweden	Sept. 1961	...	138 277	...	...	...	...	...	...
United Kingdom	June 1960	...	27 871 000	12 517 000	15 354 000	...	...	...	...
Yugoslavia	May 1960	...	14 199 025	...	...	...	...	...	...
NORTH AND CENTRAL AMERICA		...	39 944 937	...	...	...	11 223 779	...	...
Antigua and Barbuda	Sept. 1961	...	5 790	...	...	...	5 170	...	...
Barbados	Sept. 1961	...	22 520	...	...	...	7 456	...	...
Canada	June 1961	38 528	1 563 334	772 853	790 681	7 765	23 492	...	...
Dominican Republic	Aug. 1960	...	33 523	...	...	...	219 128	...	...
Jamaica	April 1961	...	9 886	...	...	...	147 413	...	...
Mexico	May 1960	180	4 189 590	1719 060	3 470 530	4 747	7 303 271	11 634 638	25 668 903
United States	Nov. 1959	346 037	1 761	11 780 341	22 334 453	426 480	15 191	...	...
Virgin Islands (U.K.)	Oct. 1959	203	34 114 794	...	...	344	43 497 710	...	...
Virgin Islands (U.S.)	Sept. 1961	93	1 387	...	...	187	2 614	...	...
April 1960	...	...	2 152	...	...	...	2 334	...	...
SOUTH AMERICA		...	95 089 245	...	...	...	7 379 082	...	...
Argentina	June 1960	151 379	48 456 659	...	...	...	...	...	...
Brazil	Sept. 1960	12 273	6 690 280	1 547 293	5 142 987	33 374	933 007	...	...
Chile	April 1965	89 733	870 775	291 790	578 985	34 592	200 910	...	...
Colombia	1960	140 750	407 761	...	...	4 434	49 988	...	...
Paraguay	Aug. 1961	18 058	...	...	...	...	...	...	...
Peru	July 1961	466 046	16 830 492	...	...	145 003	4 903 162	...	...
Surinam	Nov. 1959	3 169	...	...	...	...	11 101	...	...
Uruguay	May 1961	37 773	21 737 862	841 291	20 896 571	...	10 461	...	...
Venezuela	Feb. 1961	4 903	92 247	30 991	61 256	45 093	1 270 453	438 783	831 670

TABLE 6.19 - DISTRIBUTION OF SHEEP AND GOATS BY AGE, BY COUNTRY (concluded)

	Date to which data relate	Sheep				Goats			
		Total number of holdings reporting	Total number of sheep, all ages	Lambs under 1 year of age (number)	Sheep 1 year of age and over (number)	Total number of holdings reporting	Total number of goats, all ages	Goats under 1 year of age (number)	Goats 1 year of age and over (number)
ASIA									
Brunei	Sept. 1964	...	64 577 120	...	...	...	51 681 468	...	...
China (Taiwan)	Dec. 1960	...	...	...	...	263	1 744	692	1 052
Iran	Nov. 1960	1 147 128	20 540 193	...	...	21 831	55 007	...	...
Iraq	Nov. 1958	527 436	5 598 292	1 130 930	4 467 362	1 199 475	15 349 006	415 542	1 317 758
Japan	Feb. 1960	...	715 162	66 263	648 899	492 478	1 733 300	81 344	450 971
Korea, Rep. of	Feb. 1961	16 106	59 244	...	...	...	532 515	...	...
Malaya, Fed. of	April 1960	...	...	...	...	49 211	145 851	...	...
North Borneo	Feb. 1961	818 650	10 263 152	...	...	4 219	214 844	7 058	10 499
Pakistan	May 1960	3 025	13 381	5 381	8 200	3 210 465	12 920 691	8393 562	4571 812
Philippines	...	...	...	...	...	297 313	965 374	...	...
Sarawak	June 1960	2 133	11 803	...	...	2 087	10 057	...	...
Thailand ⁷	April 1963	...	27 375 348	9 049 982	18 325 366	11 105	41 121	6 421 999	13 272 402
Turkey	Sept. 1963	...	...	...	...	...	19 694 401	...	...
AFRICA									
Central African Republic	1960	...	63 245 127	...	...	...	21 487 938	...	...
Kenya	May 1964	...	13 700	...	...	...	324 000	...	...
Lesotho	Aug. 1960	51 431	1 761 700	...	...	...	923 400	...	...
Libya	Aug. 1960	70 634	1 466 084	226 019	1 028 642	44 809	671 749	261 781	933 855
Madagascar	1961/62	...	294 000	...	...	71 079	1 195 636	...	...
Mali	1960	...	330 270	...	...	...	286 000	...	...
Morocco	July 1962	457 000	10 000 000	2 823 000	7 177 000	...	560 790	1 620 000	4 380 000
Portuguese Guinea	1960/61	9 098	53 859	14 363	39 296	22 561	6 000 000	45 603	98 109
Senegal	1960/61	...	...	...	...	43 100	143 712	...	...
Seychelles	Oct. 1960	...	...	...	...	...	260	...	...
South Africa	June 1960	...	38 789 492	...	...	...	5 057 050	...	...
Southern Rhodesia (European holdings only)	Sept. 1960	...	188 116	...	...	...	21 675	...	...
South West Africa	June 1960	...	3 131 652	...	...	...	1 358 833	...	...
Tanganyika (commercial holdings only)	Oct. 1960	...	20 230	...	...	...	10 536	...	...
Togo	1961/62	...	552 000	...	...	...	575 000	...	...
Tunisia	1961/62	...	2 349 400	...	...	...	284 600	...	...
Uganda	1963/64	...	807 000	...	...	...	2 484 000	...	...
United Arab Republic	May 1961	520 712	2 219 891	554 185	1 665 706	457 717	1 583 272	...	...
Zambia (European holdings only)	Sept. 1960	...	13 072	...	...	...	7 425	...	...
OCEANIA									
Australia	March 1960	...	202 307 120	...	...	...	2 592	...	...
Guam	April 1960	118 587	155 173 563	32 498 450	122 675 113	456	2 592	...	...
New Zealand ⁸	June 1960	41 340	47 133 557	10 807 730	36 325 824	...	...	...	...
TOTAL		...	550 421 351	...	...	...	100 067 232	...	...

¹ Under 6 months old. — ² 3 months old and over. — ³ Data are for holdings 0.4 ha and over. — ⁴ Data are for the principal sheep- and goat-producing states only. — ⁵ Under 5 months old. — ⁶ 5 months old and over. — ⁷ Data are for holdings of 0.32 ha and over. — ⁸ Totals include sheep in towns.

TABLE 6.20 - DISTRIBUTION OF SHEEP AND GOATS BY AGE FOR SPECIFIED COUNTRIES

	S h e e p				G o a t s			
	Total number of holdings reporting	Total number of sheep, all ages	Lambs under 1 year of age (number)	Sheep 1 year of age and over (number)	Total number of holdings reporting	Total number of goats, all ages	Goats under 1 year of age (number)	Goats 1 year of age and over (number)
EUROPE	...	17 939 987	3 348 130	14 591 857	...	2 508 112	330 021	2 178 091
Malta and Gozo	4 979	13 016	1 927	11 089	5 890	34 688	4 701	29 987
Norway	109 390	1 806 036	945 227	860 809	7 160	100 894	25 162	75 732
Spain	493 994	16 120 935	2 400 976	13 719 959	509 965	2 372 530	300 158	2 072 372
SOUTH AMERICA	...	92 247	30 991	61 256	...	1 270 453	438 783	831 670
Venezuela	4 903	92 247	30 991	61 256	45 093	1 270 453	438 783	831 670
ASIA	...	728 743	71 644	657 099	...	1 497 889	475 106	1 022 783
Japan	527 436	715 162	66 263	648 899	492 478	532 515	81 544	450 971
Philippines	3 025	13 581	5 381	8 200	297 313	965 374	393 562	571 812
AFRICA	...	1 308 520	240 582	1 067 938	...	1 339 348	307 384	1 031 964
Libya	70 634	1 254 661	226 019	1 028 642	71 079	1 195 636	261 781	933 855
Portuguese Guinea	9 098	53 859	14 563	39 296	22 561	143 712	45 603	98 109
TOTAL	...	20 069 497	3 691 347	16 378 150	...	6 615 802	1 551 294	5 064 508

TABLE 6.21 - SHEEP BY SIZE OF HOLDING

	Total number of sheep	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 100	100 ha and over
EUROPE	44 969 254	16 581 036	6 346 030	5 201 245	9 248 160	7 592 783
Austria	179 468	6 624	8 912	25 227	101 592	37 113
Belgium	112 162	67 525	11 632	13 407	16 859	2 739
Denmark	41 989	1 935	2 402	12 752	20 800	4 100
Finland	380 811	106 950	133 159	105 154	34 962	586
Germany, Fed. Rep. of	1 125 492	221 162	160 300	187 538	325 560	230 932
Ireland	4 290 428	176 428	212 000	1 049 000	2 305 000	548 000
Italy	6 574 631	1 701 207	766 828	844 825	2 056 419	1 205 352
Norway	1 806 036	977 711	596 004	190 198	40 536	1 587
Spain	16 120 935	3 514 440	1 473 795	1 930 674	4 073 107	5 128 919
Sweden	138 277	24 849	32 579	29 939	39 405	11 505
Yugoslavia	14 199 025	9 782 205	2 948 419	812 531	233 920	421 950
NORTH AND CENTRAL AMERICA	35 678 328	269 194	281 400	664 500	7 607 500	26 855 734
Canada	1 563 534	15 400	13 400	26 500	537 500	970 734
United States	34 114 794	253 794	268 000	638 000	7 070 000	25 885 000
SOUTH AMERICA	39 534 545	9 915 211	1 835 751	1 630 123	2 805 989	23 347 471
Colombia	870 775	370 010	153 445	105 118	139 404	102 798
Peru	16 830 492	9 489 333	1 633 391	1 420 334	1 542 687	2 744 747
Surinam	3 169	1 614	743	375	268	169
Uruguay	21 737 862	17 268	37 194	95 572	1 107 241	20 480 587
Venezuela	92 247	36 986	10 978	8 724	16 389	19 170
ASIA	31 518 507	18 913 130	5 060 951	4 377 494	2 747 705	419 227
Iran	20 540 193	11 580 498	3 253 780	3 229 951	2 100 737	375 227
Japan	715 162	622 128	55 620	30 446	6 968	...
Pakistan	10 263 152	6 710 504	1 751 551	1 117 097	640 000	44 000
AFRICA	45 148 928	1 997 084	350 854	371 524	985 301	41 444 165
Kenya	1 761 700	759 100	140 000	280 800	4 700	577 100
Lesotho	1 466 084	1 231 984	199 600	33 700	800	...
South Africa	38 789 492	6 000	10 900	56 000	960 000	37 756 592
South West Africa	3 131 652	...	354	1 024	19 801	3 110 473
OCEANIA	47 133 552	24 000	59 000	187 000	5 797 000	41 066 552
New Zealand	47 133 552	24 000	59 000	187 000	5 797 000	41 066 552
TOTAL	243 983 114	47 699 655	13 933 986	12 431 886	29 191 655	140 725 932

TABLE 6.22 - GOATS BY SIZE OF HOLDING

	Total number of goats	Under 5 ha	5 ha and under 10	10 ha and under 20	20 ha and under 100	100 ha and over
EUROPE	4 559 917	1 874 659	589 917	592 415	831 257	671 669
France	756 570	118 680	130 920	215 990	269 440	21 540
Germany, Fed. Rep. of	231 956	210 693	12 346	6 510	2 051	356
Italy	1 097 967	455 081	143 533	114 637	209 736	174 980
Norway	100 894	61 507	33 980	4 822	585	
Spain	2 372 530	1 028 698	269 138	250 456	349 445	474 793
NORTH AND CENTRAL AMERICA	3 645 123	136 723	23 500	23 900	168 800	3 292 200
Jamaica	147 413	120 513	14 800	6 100	4 800	1 200
United States ¹	3 497 710	16 210	8 700	17 800	164 000	3 291 000
SOUTH AMERICA	6 374 525	4 076 321	595 648	651 292	664 979	386 285
Colombia	200 910	62 929	27 704	28 228	44 968	37 081
Peru	4 903 162	3 291 137	402 814	497 739	463 831	247 641
Venezuela	1 270 453	722 255	165 130	125 325	156 180	101 563
ASIA	29 020 627	20 675 207	4 160 391	2 510 668	1 472 785	201 576
China (Taiwan)	55 007	52 133	2 874			
Iran	15 349 006	9 874 025	2 617 838	1 692 406	994 461	170 276
Japan	532 515	524 370	5 906	2 015	224	...
Korea, Rep. of	145 851	145 851	4 000	1 700	1 100	300
North Borneo	17 557	10 457	4 000	1 700	1 100	300
Pakistan	12 920 691	10 068 371	1 529 773	814 547	477 000	31 000
AFRICA	7 823 319	601 449	83 960	47 700	419 000	6 671 210
Lesotho	671 749	592 549	71 100	7 600	500	
South Africa	5 057 050	8 900	12 000	37 200	324 000	4 674 950
South West Africa	2 094 520	...	860	2 900	94 500	1 996 260
TOTAL	51 423 511	27 364 359	5 453 416	3 825 975	3 556 821	11 222 940

¹ Data are for the 11 important goat-producing states.

TABLE 6.23 - PIGS AND BEES BY COUNTRY

	Date to which data relate	Pigs			Bees	
		Total (all ages)		Sows and gilts for breeding 6 months old and over (number)	Number of holdings reporting	Number of colonies
		Number of holdings reporting	Number			
EUROPE		...	64 760 863	...	...	...
Austria	June 1960	321 566	2 425 902	308 211	32 408	194 436
Belgium	May 1959	138 947	1 426 929	195 043	...	41 999
Denmark	July 1959	175 699	6 073 782	...	...	...
Finland	June 1959	...	466 900	44 674	...	19 512
France	Oct. 1963	...	...	812 930	...	...
Germany, Fed. Rep. of	May 1960	1 291 117	13 360 563	1 431 402	...	...
Greece	March 1961	...	313 197	...	...	739 743
Ireland ¹	June 1960	110 880	929 733	109 100	...	...
Italy	April 1961	1 010 398	3 353 014	476 176	...	...
Malta and Gozo	Sept. 1960	1 341	14 046	2 367	...	...
Netherlands	May 1959	150 364	2 590 261	415 334	...	...
Norway	June 1959	102 447	475 063	60 035	6 129	44 350
Poland	June 1960	...	12 615 277	1 562 200	...	...
Spain	Oct. 1962	1 486 236	4 912 232	339 209	103 406	790 068
Sweden	Sept. 1961	...	1 991 980	201 451	...	...
United Kingdom	June 1960	...	5 724 000	725 000	...	...
Yugoslavia	May 1960	1 785 641	8 087 984	1 221 537	...	759 311
NORTH AND CENTRAL AMERICA ...		...	78 910 430	...	...	...
Antigua and Barbuda	Sept. 1961	...	2 843	1 148	...	...
Barbados	Sept. 1961	...	19 742	8 593	...	...
Canada	June 1961	223 402	5 332 736	567 276	...	...
Costa Rica	April 1963	28 967	145 322	24 760	1 821	21 873
Dominican Republic	Aug. 1960	...	712 117	413 207	162 899	...
El Salvador	June 1961	102 811	323 637	146 872	...	...
Jamaica	April 1961	...	127 583	...	...	...
Mexico	May 1960	...	3 576 998	...	...	780 662
Nicaragua	May 1963	79 873	422 598	...	...	...
Panama	April 1961	46 532	222 289	63 242	9 930	...
Puerto Rico	Nov. 1959	24 569	73 029	...	608	8 627
United States	Oct. 1959	1 848 784	67 949 259	...	...	...
Virgin Islands (U.K.)	Sept. 1961	426	980	373	...	...
Virgin Islands (U.S.)	April 1960	184	1 297	...	...	...
SOUTH AMERICA		...	11 240 867	...	...	...
Argentina	June 1960	194 862	3 880 695	...	...	...
Brazil	Sept. 1960	168 987	...	...	745	...
Chile	April 1965	168 190	1 021 594	556 165	...	...
Colombia	1960	554 657	2 067 278	...	19 349	86 851
Paraguay	Aug. 1961	116 979	622 412	...	8 163	64 934
Peru	July 1961	368 841	1 432 322	...	6 390	83 952
Surinam	Nov. 1959	...	6 003	...	53	1 289
Uruguay	May 1961	...	383 357	...	...	...
Venezuela	Feb. 1961	188 848	1 827 206	327 090	8 095	62 303
ASIA		...	16 428 573	...	...	...
Brunei	Sept. 1964	982	8 847	...	...	...
Ceylon	July 1962	20 643	50 184	...	2 565	4 604
China (Taiwan)	Dec. 1960	649 242	2 523 159	14 199	...	...
Iran	Nov. 1960	1 050	4 650	...	35 058	267 081
Iraq	Nov. 1958	...	...	...	...	20 146
Japan	Feb. 1960	732 604	1 322 031	283 108	34 672	89 008
Korea, Rep. of	Feb. 1961	1 010 705	1 163 229	...	...	...
Malaya, Fed. of	April 1960	19 331	231 912	...	...	...
North Borneo	Feb. 1961	16 786	81 058	...	...	...
Philippines	May 1960	1 455 743	4 117 573	685 909	...	...
Sarawak	June 1960	43 384	165 076	56 562	...	...
Thailand	April 1963	1 233 247	3 284 334	319 578	...	...
Turkey	Sept. 1963	...	...	...	...	2 207 940
Viet-Nam, Rep. of	Oct. 1960	1 470 828	3 476 520	...	...	424 858

TABLE 6.23 - PIGS AND BEES BY COUNTRY (concluded)

	Date to which data relate	Pigs			Bees	
		Total (all ages)		Sows and gilts for breeding 6 months old and over (number)	Number of holdings reporting	Number of colonies
		Number of holdings reporting	Number			
AFRICA		...	2 235 857	...	...	...
Central African Republic	1960	...	20 500	...	...	...
Kenya	May 1960	...	67 100	...	...	...
Lesotho	Aug. 1960	44 954	61 365	...	...	...
Madagascar	1961/62	...	315 000	...	...	...
Mali	1960	...	7 090	...	...	...
Portuguese Guinea	1960/61	16 255	98 206	40 565	...	191 367
Seychelles	Oct. 1960	...	3 058	714	...	...
South Africa	June 1960	...	1 380 666	...	...	...
Southern Rhodesia (European holdings only)	Sept. 1960	...	61 555	...	...	...
South West Africa	June 1960	...	26 937	...	...	...
Tanganyika (commercial holdings only)	Oct. 1960	...	3 474	...	...	...
Togo	1961/62	...	179 000	...	...	...
Zambia (European holdings only)	Sept. 1960	...	11 906	...	...	...
OCEANIA		...	2 102 553	...	...	...
American Samoa	April 1960	1 757	11 378	...	...	...
Australia	March 1960	49 537	1 423 796	211 426	5 768	464 569
Guam	April 1960	1 220	7 118	...	...	...
New Zealand	Jan. 1960	...	660 261	587 824	...	...
TOTAL		...	175 679 143	...	...	...

¹ Data are for holdings of 4 ha and over. — ² 5 months old and over. — ³ Over 1 year old. — ⁴ 10 months old and over. — ⁵ 1 year old and over.

TABLE 6.24 - PIGS BY SIZE OF HOLDING

	Total number of pigs	Under 1 ha	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and over
EUROPE	58 709 620	3 686 327	11 795 704	14 202 211	13 948 544	9 304 455	3 334 495	2 437 884
Austria	2 425 902	48 300	325 193	393 897	709 959	729 301	117 328	101 924
Belgium	1 426 929	85 698	291 099	434 221	403 726	171 806	35 015	5 364
Denmark	6 073 782	24 126	253 499	1 000 974	1 927 183	2 229 000	448 000	191 000
Finland	466 900	21 429	79 081	110 928	130 284	86 430	24 250	14 498
Germany, Fed. Rep. of	13 360 563	424 000	1 554 194	2 648 337	4 302 144	3 457 825	688 611	285 452
Ireland	929 733	34 233	41 700	53 000	258 700	360 100	122 700	59 300
Italy	3 353 014	994 649	822 487	564 072	512 522	259 069	99 105	101 110
Netherlands	2 590 261	195 492	391 286	824 112	897 731	270 779	9 306	1 555
Norway	475 063	51 583	132 020	130 204	98 484	51 940	8 753	2 079
Poland	12 615 277	527 277	3 330 000	4 370 000	2 680 000	367 000	1 341 000	...
Spain	4 912 232	695 527	1 048 898	680 888	647 211	562 555	260 432	1 016 721
Sweden	1 991 980	1 000	111 492	325 479	612 474	624 110	169 179	148 246
Yugoslavia	8 087 984	583 013	3 414 755	2 666 099	768 126	134 540	10 816	510 635
NORTH AND CENTRAL AMERICA	73 554 900	63 757	1 418 158	1 225 991	2 451 635	10 830 862	25 845 225	31 719 272
Canada	5 332 736	14 000	59 000	63 000	125 000	1 051 000	1 317 000	2 703 736
Costa Rica	145 322	1 974	17 399	14 991	18 435	35 062	27 025	30 436
Jamaica	127 583	47 783	58 500	11 000	4 200	2 800	1 200	2 100
United States	67 949 259	...	1 283 259	1 137 000	2 304 000	9 742 000	24 500 000	28 983 000
SOUTH AMERICA	5 332 809	1 042 995	1 467 614	622 903	520 216	512 309	326 487	840 285
Colombia	2 067 278	320 172	480 618	260 015	240 719	264 123	174 906	326 725
Peru	1 432 322	613 216	521 652	134 439	61 179	42 273	18 031	41 532
Surinam	6 003	876	2 406	1 083	638	198	427	375
Venezuela	1 827 206	108 731	462 938	227 366	217 680	205 715	133 123	471 653
ASIA	12 251 896	5 239 329	5 667 975	988 477	281 288	64 191	9 587	1 049
China (Taiwan)	2 523 159	1 381 843	1 088 876	52 440	...	...	...	...
Iran	4 650	2 100	...	600	...	1 950	...	...
Japan	1 322 031	684 485	600 615	20 770	14 246	1 915	...	...
Korea, Rep. of	1 163 229	719 318	443 911	...	...	...	...	...
Malaya, Fed. of	231 839	81 126	117 100	26 500	5 342	1 301	270	200
North Borneo	81 058	15 258	42 400	15 000	5 500	2 300	200	400
Sarawak	165 076	21 776	77 700	30 700	15 000	12 100	7 800	...
Thailand	3 284 334	518 534	1 844 000	675 000	210 000	36 000	800	...
Viet-Nam, Rep. of	3 476 520	1 814 889	1 453 373	167 467	31 200	8 625	517	449
AFRICA	1 380 666	7 866	69 500	82 300	104 500	141 000	66 300	909 200
South Africa	1 380 666	7 866	69 500	82 300	104 500	141 000	66 300	909 200
TOTAL	151 229 891	10 040 274	20 418 951	17 121 882	17 306 183	20 852 817	29 582 094	35 907 690

7. EMPLOYMENT IN AGRICULTURE

7.1 Introduction

Agriculture provides employment for more persons than any other main economic activity. In many of the 83 countries included in this report a large percentage of the labour force is engaged in agricultural work. The number of persons working on the 41.3 million holdings in the 50 countries for which such data are available totalled over 117 million, or 2.9 workers per holding. On a proportionate basis, the number of persons working on the 140 million holdings in all 83 countries may have totalled as many as 400 million.

The FAO programme proposed that the number of persons working at agricultural work on the holding be obtained for a short period of time near the date of enumeration and preferably for the week preceding the census. Very few countries collected data in accordance with the specifications proposed by the programme. For a few countries the data related to a specific day, for some countries to a specified month and for others to a full year.

The programme proposed that agricultural work include any work or planning necessary for the operation of the holding: feeding and caring for livestock and poultry, working in the field, working in market or kitchen gardens, planning farm work, supervising agricultural workers, keeping farm records, transporting farm products to market, transporting fertilizer, feed or other supplies from place of purchase to the holding, repairing buildings, fences, and farm equipment. It was to exclude work related to the holder's dwelling, handicraft work, construction work performed by persons employed specifically to do such work, work performed by hired contractors using machinery and work by inmates of institutions.

The programme also proposed that persons employed be classified on the basis of length of employment. Data are published for three groups of persons employed in agricultural work on holdings as follows:

1. Holders and members of their household not paid full cash wages. The holder was included regardless of the amount of time spent at agricultural work. In some countries persons not related to the holder but living in his household and not receiving full cash wages were included with the holder and members of his household. Very few countries specified the minimum number of hours or days of work required to qualify members of the household of the holding as workers. Participants in work on cooperative, collective and communal holdings were to be included, but domestic workers were to be excluded.
2. Permanent workers. Permanent workers were hired persons receiving pay for their services and were so classified on the basis of the time they had worked on the holding during the year preceding the census. The programme suggested that workers employed on the same holding for at least half the working time during the year be classified as permanent workers.
3. Temporary and occasional workers. The programme proposed that data be obtained separately for persons who had been employed on the holding for a total period of less than one half but more than one third of the working time during the year and for persons who had been employed on the holding for a total period of less than one third of the working time during the year. However, an examination of the questions, instructions and specifications used for obtaining information for

temporary and occasional workers indicated that data for many countries could not be satisfactorily organized to present comparable data, and accordingly data are published for only the total of temporary and other (occasional) workers.

The FAO programme suggested the classification of workers by sex and by two age groups. The two age classes suggested were for persons 15 years old and over and persons under 15 years of age. Table 7.1 indicates the minimum age used for counting persons as working on holdings.

The programme also suggested that data be obtained regarding the estimated number of days worked on the holding during the year on the basis of successive surveys. This type of data was collected for only a few countries.

The measurement of persons working, hours worked, and labour inputs on agricultural holdings is difficult. Moreover, estimates of the size of the agricultural labour force, hours or days of work performed and labour inputs on agricultural holdings differ greatly according to the concepts used for measurement, judgement of statisticians and the relationship of the date for which measurement is made to the period of peak agricultural employment.

Because of the seasonal fluctuation in employment on holdings, the FAO programme suggested that data on employment during various seasons of the year be collected by special successive surveys. Data are not available for any country for surveys undertaken in accordance with this proposal. Moreover, the international comparisons of data for employment on agricultural holdings are complicated by the following considerations:

1. The lack of uniformity among countries in the statistical concepts underlying the published data. There were considerable variations in the minimum age used for recording workers and in the reporting of housewives and other female workers and part-time workers.
2. The highly seasonal nature of agricultural work. There are periods of peak employment when crops must be planted or harvested, and there are periods when weather and crop requirements lower the need. A large proportion of the 140 million agricultural holdings produce only one important agricultural crop. For these holdings there is usually a short planting and harvesting season and

a large part of the total labour requirements arises during the periods of planting and harvesting. In many countries more than twice as many persons may work on agricultural holdings during the planting and harvesting season as during other parts of the year.

3. Multiple job-holding is widespread among the labour force for agricultural holdings. Not only holders but other workers on agricultural holdings have full-time or part-time jobs.
4. Holders and members of their families perform work on other agricultural holdings as well as on their own holding. In some cases the concepts used in obtaining data on employment result in the counting of such persons more than once. A holder may be counted as a worker in his own holding and also on another holding when he is employed there. Persons working only part-time may work on two or more holdings and be counted as a worker on each. If the reporting period is longer than a week, considerable numbers of temporary or occasional workers may work on more than one holding and thus be counted more than once.

7.2 Employment on holdings

Data on employment on holdings appear in Tables 7.1 and 7.2. It is not possible to indicate accurately whether the data for each country relate to a period of peak employment. There was a lack of uniformity in concepts used, in periods to which the data related and in the groups of workers included. Therefore, the data provide only a rough approximation of the size of the agricultural labour force in the 50 countries. (It should be noted that the data on employment in 6 of the 50 countries — Indonesia, South Africa, Southern Rhodesia, South West Africa, Tanganyika and Zambia — relate to only part of the agricultural holdings.)

The number of persons working on holdings totalled more than 117 million in the 50 countries (Table 7.2) and was equivalent to one eighth of their total population. For the 42 countries for which the data on employment relate to practically all the holdings in the country, the persons working on holdings represented from 3.6 percent of the total population in the United States of America to 30 percent or more in Yugoslavia, the Dominican Republic, Panama, Senegal, Togo and Uganda.

In every country, holders and members of their household make up a large proportion of the persons working on holdings. For Indonesia, South Africa, Southern Rhodesia, South West Africa, Tanganyika, and Zambia, the data on employment relate only to estates or to the more commercial groups of holdings; hence permanent and temporary workers may exceed the total number for holders and members of their families working on holdings. If complete data were available on employment on all holdings in each of these countries, it is very likely that the number of holders and members of their families working on holdings would exceed the number of hired persons. Also, in some of these countries a considerable part of the holdings for which data on employment are shown are operated by hired managers, who have been included as permanent workers rather than as part of the total for holders and members of their households working on holdings.

The number of permanent workers is available for 41 of the 50 countries. In most countries permanent workers represented less than one tenth of the persons working on holdings. The number of temporary and other workers are available for only 24 of the 50 countries. The number of temporary workers probably does not indicate accurately their importance in the agricultural labour force, as the number may or may not relate to the period of peak employment. Also, these workers work for only a part of the year and in some cases for only a few weeks or for a few days during the year.

Women comprise a significant part of the total number of persons working on agricultural holdings. The distribution by sex for holders and members of their households working is available for 38 countries (Table 7.1). Holders and members of their

households working on holdings totalled about 91 million, and for these countries for which sex classification was available more than 30 million were females (to 52 million males). The distribution by sex of permanent workers was available for 26 countries with a total of 7.3 million permanent workers of whom 1.4 million were females. Information on the number of temporary and other workers by sex was available for 15 countries, with a total of 14.5 million workers of whom 6.5 million were females.

7.3 Persons under 15 years of age working on holdings

Information on the number of workers under 15 years of age was available for only 14 countries (Table 7.1). These 14 countries reported more than 31 million persons working on holdings of which 6 million were persons under 15 years of age.

7.4 Man-days worked on holdings

A few countries, mainly in Europe, undertook to obtain a measurement of the total amount of labour used on the holding in terms of man-days, man-months, etc. These available data serve to indicate that employment on the holding is not full-time. For example, the average working period on the holding was 182 days in Tunisia and 172 in Malta and Gozo. The average number of man-days during the week preceding the census per person employed was 3.5 in Panama and 5.2 in Australia. In the Federal Republic of Germany the average number of man-months worked per person working in May 1960 was 0.85.

TABLE 7.1 -

	Date to which data relate	Holders and members of their household		
		Total	Male	Female
EUROPE		23 097 251	13 507 698	8 143 862
Austria	May 1960	533 664	250 459	283 205
Belgium	31 Dec. 1959	544 341	312 134	232 207
Denmark	11 July 1959	1 241 841	131 714	113 621
Finland	16 June 1958 - 15 June 1959	1 067 420	547 523	519 897
France	Year 1962-63	5 719 190	3 818 410	1 900 780
Germany, Fed. Rep. of	May 1960	4 580 594	2 159 404	2 421 190
Ireland	1 June 1960	1 294 425	294 425	...
Netherlands	Jan. - May 1960	423 831	319 840	103 991
Norway	14 April 1958 - 13 April 1959	1 268 727	...	...
Spain	Oct.-Nov. 1962	4 535 569	2 625 167	2 132 564
United Kingdom (Great Britain only)	June 3 or 4, 1960	1 394 818	1 348 425	1 368 260
Yugoslavia	15-31 May 1960	3 939 469	2 664 372	1 275 097
NORTH AND CENTRAL AMERICA		12 571 350	5 900 827	1 074 306
Antigua and Barbuda	Sept. 1960 to Aug. 1961	5 872	2 092	3 780
Barbados	Sept. 1960 to Aug. 1961	20 880	8 609	12 271
Dominican Republic	2-9 Aug. 1960	977 882	751 315	226 567
El Salvador	1961	308 449	...	...
Jamaica	Dec. 1961 to Feb. 1962	286 490	...	...
Mexico	Agricultural year 1959/60	5 970 103	5 138 495	831 608
Panama	9-15 April 1961	202 015	...	...
Puerto Rico	Nov. 1959	50 938	...	...
United States	Week preceding census (Nov. 1959)	4 748 325	...	...
Virgin Islands (U.K.)	1960-61	396	316	80
SOUTH AMERICA		10 947 572	7 254 988	3 692 584
Brazil	Sept. 1960	9 848 727	6 444 198	3 404 529
Chile	April 1965	490 423	376 229	114 194
Paraguay	July 1960 - June 1961	361 497	259 260	102 237
Surinam	Nov. 1959	36 185	15 435	20 750
Uruguay	22-29 May 1961	210 740	159 866	50 874
ASIA		33 590 587	18 528 942	13 804 328
Brunei	27 Aug. - 5 Sept. 1964	9 867	4 924	4 943
Ceylon	24-30 June 1960	2 166 341	1 303 364	862 977
Indonesia ⁹	1 Oct. 1963	9 389	9 320	69
Iran	2 Oct. 1960	3 446 435	3 039 039	407 396
Iraq	1957-1958	1 119 899	...	...
Japan	Census year, 1959-60	14 542 464	5 995 638	8 546 826
Korea, Rep. of	1960	5 164 461	3 017 351	2 147 110
Malaya, Fed. of	May 1959 - 2 April 1960	972 880	525 146	447 734
Sarawak	June - Sept. 1960	137 418	...	...
Turkey	Oct. 1962 - Sept. 1963	6 021 433	4 634 160	1 387 273
AFRICA		11 183 488	6 742 522	3 466 624
Central African Republic	Nov. 1959 - Feb. 1960	256 100	107 000	149 100
Kenya (European holdings only)	31 Aug. 1960	1 905	1 714	191
Senegal	Oct. 1960	1 132 800	612 400	520 400
Seychelles	31 Oct. 1960	5 910	3 732	2 178
South Africa (European holdings only)	June 1960	158 475	112 462	46 013
Southern Rhodesia (European holdings only)	30 Sept. 1960	8 632	...	...
South West Africa (European holdings only)	June 1960	29 581	16 708	12 873
Tanganyika (commercial holdings only)	31 Oct. 1960	2 058	1 934	124
Togo	1961-62	490 477	...	...
Tunisia	1961-1963	473 760	...	...
Uganda	1963-1964	3 864 549	1 912 087	1 952 462
United Arab Republic	31 Oct. 1961	34 757 768	33 974 485	3783 283
Zambia (European holdings only)	30 Dec. 1960	1 473	...	...
TOTAL		91 390 248	51 934 977	30 181 704

¹ Excludes wife of holder (for Ireland all female workers on holdings are excluded). — ² Person 18 to 64 years of age. — ³ Includes permanent under 14 years of age. — ⁸ Workers under 16 years of age. — ⁹ Data relate only to estates. — ¹⁰ Workers 10 to 14 years of age.

EMPLOYMENT ON HOLDINGS

Permanent workers			Temporary and other workers			Workers under 15 years of age			Minimum age for counting workers
Total	Male	Female	Total	Male	Female	Total	Male	Female	
1 581 999	962 334	279 440	3 893 900	1 193 381	2 418 820	778 386	3 455	1 843	
140 897	62 877	78 020	...	...	...	—	—	—	15
22 639	19 957	2 682	...	...	...	—	—	—	15
90 210	69 963	20 247	9 874	8 659	1 215	5 298	3 455	1 843	...
46 117	24 811	21 306	...	...	...	536 770	...	...	...
308 560	...	...	253 580	...	...	...	...	...	14
332 450	229 433	103 017	494 289	138 529	355 760	...	...	...	14
50 555	50 555	...	...	...	...	...	...	...	14
78 002	76 068	1 934	...	...	...	—	—	—	15
23 375	16 336	7 039	...	...	...	—	—	—	15
489 194	241 234	245 195	493 586	235 125	214 216	236 318	...	...	...
...	...	...	92 220	51 960	40 260	—	—	—	15
...	...	...	42 550 351	4642 982	41 907 369	...	...	...	10
3 037 269	1 907 212	167 569	1 124 455	...	...	989 237	...	...	
57 141	53 221	53 920	...	...	...	—	—	—	15
535 450	518 120	517 330	...	...	...	...	...	...	14
139 850	118 175	21 675	...	...	...	...	...	...	14
74 324	...	...	...	...	...	55 485	...	...	...
626 372	...	...	6116 419	...	...	—	—	—	15
1 892 187	1 767 543	124 644	...	...	...	881 000	...	...	...
96 807	...	...	124 139	...	...	52 752	...	...	14
64 729	...	...	...	...	...	...	...	...	...
700 256	...	...	883 897	...	...	...	...	...	14
5153	153	—	...	...	...	—	—	—	15
1 622 758	1 341 149	281 609	4 779 540	3 649 533	1 130 007	3 567 579	94 288	17 144	
1 429 350	1 162 702	266 648	4 622 556	3 504 651	1 117 905	3 456 147	...	...	...
98 443	94 510	3 933	156 984	144 882	12 102	30 833	21 236	9 597	...
92 174	81 750	10 424	...	...	...	69 462	65 746	3 716	...
2 791	2 187	604	...	...	...	711 137	77 306	73 831	15
...	...	...	...	...	...	...	...	...	...
1 913 193	754 197	526 015	3 743 271	1 502 970	2 072 875	693 036	475 066	217 970	...
666 902	352 622	314 280	7 471	4 632	2 839	841 939	821 609	820 330	12
117 157	114 313	3 044	139 708	...	...	...	...	...	...
354 568	...	...	884 279	562 403	321 876	...	...	...	14
...	...	...	...	...	...	...	...	...	14
156 889	82 068	74 821	207 195	85 080	122 115	—	—	—	16
240 447	...	...	2 476 900	850 855	1 626 045	...	...	...	14
339 064	205 194	133 870	27 718	...	...	...	...	...	15
38 166	...	...	...	...	...	...	...	...	10
...	...	...	...	...	...	10651 097	10453 457	10197 640	10
1 663 196	859 730	179 547	3 150 308	1 641 255	890 904	25 866	...	...	...
253 066	182 257	70 809	10 000	3 000	7 000	725 600	...	...	14
4 484	2 585	1 899	828	...	...	...	...	...	14
756 397	650 547	105 850	591 882	307 960	283 922	266	...	...	12
208 971	...	...	...	...	...	...	...	...	...
25 330	24 341	989	79 763	49 096	30 667	...	...	...	...
161 234	...	...	307 321	...	...	...	...	...	...
3 829	...	...	...	...	...	—	—	—	15
72 600	...	...	...	...	...	...	...	...	...
150 000	...	...	310 000	...	...	—	—	—	16
27 285	...	...	1 850 514	1 281 199	569 315	...	...	...	15
...	...	...	...	...	...	...	...	...	...
9 818 415	5 824 622	1 434 180	16 691 474	7 987 139	6 512 606	6 054 104	572 809	236 957	

workers. — ⁴ Data relate to workers on private holdings only. — ⁵ All paid workers. — ⁶ Workers during year prior to census. — ⁷ Workers

TABLE 7.2 - RELATIONSHIP OF PERSONS WORKING ON HOLDINGS TO TOTAL POPULATION, FARM POPULATION AND NUMBER OF HOLDINGS

	Total population	Farm population	Number of holdings	Persons working on holdings				Average number of persons working per holding		Persons working on holdings as a percent of	
				Total	Holders and members of their households	Permanent workers	Temporary and other workers	Total	Holders and members of their households	Total population	Farm population (holders and members of their households)
Thousands											
EUROPE	244 201	18 728	11 746	28 572	23 096	1 582	3 894	2.4	2.0	11.7	...
Austria	7 048	835	397	675	534	141	...	1.7	1.3	9.6	80.8
Belgium	9 104	1 028	269	567	544	23	...	2.1	2.0	6.2	55.2
Denmark	4 547	...	197	1342	1242	90	10	11.7	11.2	17.5	...
Finland	4 394	1 604	388	1 113	1 067	46	...	2.9	2.8	25.3	69.4
France	47 816	6 888	1 899	6 282	5 719	309	254	3.3	3.0	13.1	91.2
Germany, Fed. Rep. of ...	53 224	6 961	1 709	5 407	4 581	332	494	3.2	2.7	10.2	77.7
Ireland	2 834	...	360	1345	1294	51	...	11.0	10.8	112.2	...
Netherlands	11 346	1 412	301	502	424	78	...	1.7	1.4	4.4	35.6
Norway	3 553	...	198	1291	1268	23	...	11.5	11.4	18.2	...
Spain	30 817	...	3 008	5 519	4 536	489	494	1.8	1.5	17.9	...
United Kingdom (Great Britain)	51 116	...	396	11 040	1 2948	...	92	12.6	12.4	12.0	...
Yugoslavia	18 402	...	2 624	6 489	3 939	...	32 550	2.5	1.5	35.3	...
NORTH AND CENTRAL AMERICA	224 794	14 839	6 083	16 732	12 570	3 037	1 124	2.8	2.1	7.4	...
Antigua and Barbuda	56	27	6	13	6	47	...	2.2	1.0	23.2	50.0
Barbados	233	117	28	56	21	435	...	2.0	0.8	24.0	47.9
Dominican Republic	3 033	...	447	1 118	978	140	...	2.5	2.2	36.9	...
El Salvador	2 526	...	224	382	308	74	...	1.7	1.4	15.1	...
Jamaica	1 646	755	159	429	286	27	116	2.7	1.8	26.1	56.8
Mexico	36 046	...	1 365	7 862	5 970	1 892	...	5.8	4.4	21.8	...
Panama	1 094	491	96	423	202	97	124	4.4	2.1	38.7	86.2
Puerto Rico	2 322	...	46	116	51	65	...	2.5	1.1	5.0	...
United States	177 830	13 445	3 711	6 332	4 748	700	884	1.7	1.3	3.6	47.1
Virgin Islands (U.K.)	8	4	1	1	—	—	—	1.0	—	12.5	25.0
SOUTH AMERICA	83 056	1 376	3 861	17 349	10 947	1 622	4 780	4.5	2.8	20.9	...
Brazil	69 730	...	3 338	15 901	9 849	1 429	4 623	4.8	3.0	22.8	...
Chile	8 708	...	259	745	490	98	157	2.9	1.9	8.6	...
Paraguay	1 801	893	161	453	361	92	...	2.8	2.2	25.2	50.7
Surinam	241	93	16	39	36	3	...	2.4	2.3	16.2	41.9
Uruguay	2 576	390	87	211	211	...	...	2.4	2.4	8.2	54.1
ASIA	294 455	77 248	15 603	39 244	33 588	1 913	3 743	2.5	2.2	13.2	50.3
Brunei	97	39	6	17	10	7	...	2.8	1.7	17.5	43.6
Ceylon	10 390	...	1 170	2 973	2 166	667	140	2.5	1.9	28.6	...
Indonesia	100 042	...	51	51 010	99	5117	5884	...	...	...	...
Iran	21 500	12 096	1 877	3 446	3 446	...	...	1.8	1.8	16.0	28.5
Iraq	6 510	...	253	1 475	1 120	355	...	5.8	4.4	22.7	...
Japan	93 216	34 411	6 057	14 906	14 542	157	207	2.5	2.4	16.0	43.3
Korea, Rep. of	25 402	14 242	2 332	7 881	5 164	240	2 477	3.4	2.2	31.0	55.3
Malaya, Fed. of	6 909	2 735	452	1 340	973	339	28	3.0	2.2	19.4	49.0
Sarawak	750	260	45	6175	6137	638	...	3.9	3.0	623.3	67.3
Turkey	29 639	13 465	3 410	6 021	6 021	...	...	1.8	1.8	20.3	44.7
AFRICA	85 286	15 138	4 018	15 998	11 185	1 662	3 151	4.0	2.8	18.8	...
Central African Republic ..	1 187	935	232	266	256	10	...	1.1	1.1	22.4	28.4
Kenya	8 115	...	74	7255	72	7253	...	763.8	70.5	73.1	...
Senegal	3 110	1 913	295	1 133	1 133	...	...	3.8	3.8	36.4	59.2
Seychelles	42	...	1	11	6	4	1	11.0	6.0	26.2	...
South Africa	15 925	4 437	7110	71 506	7158	7756	7592	713.7	71.4	794.6	733.9
Southern Rhodesia	3 640	...	77	7218	79	7209	...	731.1	71.3	76.0	...
South West Africa	522	323	75	7135	730	725	780	727.0	76.0	725.9	41.8
Tanganyika	10 328	...	81	8163	82	8161	...	8163.0	82.0	81.6	...
Togo	1 480	1 400	217	801	490	4	307	3.7	2.3	54.1	57.2
Tunisia	3 980	...	326	547	474	73	...	1.7	1.5	13.7	...
Uganda	7 190	6 130	1 171	4 325	3 865	150	310	3.7	3.3	60.2	70.6
United Arab Republic	26 557	...	1 642	6 609	4 758	727	1 851	4.0	2.9	24.9	...
Zambia	3 210	...	77	729	72	727	...	74.1	70.3	70.9	...
TOTAL	931 792	127 329	41 311	117 895	91 386	9 816	16 692	2.9	2.2	12.7	...

¹ Wife of holder not included. (For Ireland all females working on holdings are excluded.) — ² Includes permanent workers. — ³ On private holdings only. — ⁴ All paid workers. — ⁵ Data are for estates only. — ⁶ Data for settled area only. — ⁷ Data are for European holdings only. — ⁸ Data are for commercial holdings only.

8. FARM POPULATION

8.1 Introduction

People are the most important agricultural resource. Over 500 million people lived on 83 million agricultural holdings in 44 countries. It is likely that the persons living on the 140 million holdings in the 83 countries totalled over 900 million.

The FAO programme provided for the enumeration of farm population, specified as all members of the holder's household, even when they did not reside on the holding, as well as all persons living on the holding who are not members of the holder's household.

The members of the holder's household include the holder and participants in cooperative, collective and communal holdings together with members of their families and unrelated persons living in their households. Other persons living on the holding include all persons living on the holding who are not members of the holder's household, regardless of whether such persons work on the holding. Agricultural workers and landlords of agricultural holders who did not live on the holding were excluded from farm population.

The FAO definition of household was as follows: "The term household means the aggregate of persons generally bound by ties of kinship who normally reside under the same roof, that is, the head of the family, the relatives living with him, and the other connexions. The other persons who share the rooms occupied by the family or who use separate rooms in the same dwelling unit but take their meals with the family should be considered as members of the household. Persons who live alone and lodgers who occupy separate rooms in the dwelling unit and do not take their meals with the holder's family should be considered as separate households."

In the case of some countries (Canada, United States of America, for instance), the data were collected through a population census rather than through a census of agricultural holdings. For this and other reasons, data for countries included in Table 8.2 are not fully comparable. In some countries, holders and members of the holder's family have not been counted when the holder did not live on the holding. In some countries, a large part of the agricultural labourers do not live on holdings and hence are not included in the totals. In most countries, there are large seasonal variations in the number of persons working on holdings because of the seasonal nature of agricultural work, and the time of the taking of the census affects the total number of persons counted. This is particularly true when the census includes considerable numbers of agricultural labourers living on holdings at the time of the census. In many African countries and in some countries elsewhere, holders or members of their family counted in the census may have been absent at the time of the census. In a number of countries where holders generally did not live on the holding, the farm population included not only the persons living on the holding but also persons living elsewhere, in villages and, in the case of some countries, especially in Africa, those working outside the country. Some countries included also persons normally living in the household but temporarily absent for business, vacation or other purposes.

Many countries asked for members of the holder's family or household only. Domestic servants, hired workers, gardeners, boarders, and others living in the holder's household and persons away temporarily but normally residing in the holder's household were included in some countries but excluded in others. In a number of the countries the holder's

household may comprise more than one family, or parts of several families.

Many countries obtained the number of persons in the farm population by asking for the total number of persons or for counts of males and females rather than by making a list by name of the persons. This procedure undoubtedly resulted in undercounting of the farm population because of the failure in some cases to count very young persons or nonrelated persons.

8.2 Farm population and agricultural population

Some regional adaptations of the FAO programme suggested the collection of information on agricultural population or population depending on agriculture for their livelihood. While the groups comprising farm population and population dependent on agriculture comprise to a large extent the same persons, they are not identical. Farm population includes the holder and members of his family as well as other persons living on the holding. In some countries, especially the developed countries, the farm population includes a considerable number of persons who are engaged in nonagricultural activities and who are not counted as dependent on agriculture.

The population dependent on agriculture comprises several groups of persons who may not live on agricultural holdings: (1) agricultural workers, (2) landowners and their dependents who derive their income from agriculture, (3) persons who obtain income from agriculture because of former employment in agriculture, and (4) dependents of holders and members of their households. Dependency statistics are based on the concept of main source of livelihood of the family members. The dependency classification presents problems in grouping persons having membership in the holder's household or family but who have their own source of livelihood, persons supported partly or fully by a household or family member with a nonagricultural main source of income, and persons who obtain income from agriculture and also from pensions or unemployment relief. Under conditions of work and employment that exist in most countries, classification of persons engaged in agriculture by occupation or main economic activity is difficult and often inappropriate. Moreover, data on population dependent on agri-

culture are derived largely from population censuses or labour force surveys. The reference period in these censuses and surveys for classifying persons by their main economic activity is usually a week preceding the census or survey. As data in Chapter 7 indicate, employment in agriculture is seasonal and in most countries men often engage in a nonagricultural economic activity as well. (Multiple job-holding is much more prevalent in most countries among persons employed in agriculture than among those in any other major economic activity.) Reporting by occupation or main economic activity in census and labour force surveys is not uniform among countries and often not even within the same country. Persons with part-time employment, such as wives of holders, and other persons who spend full time or part time (often for very short periods) at agricultural work without receiving any cash wages are not consistently counted. Moreover, most agriculturists do not receive wages or other payment, as they work on their own holding to produce agricultural products quite often solely for use by themselves and members of their family. The classification of persons who do not receive wages or salary by main economic activity is difficult, especially when these persons work in another economic activity for wages or salary.

The population dependent on agriculture secured in official censuses and labour force surveys is greatly affected by the period of the year to which the data relate in relation to the period of peak agricultural employment, and also by the instructions used in the census or survey for reporting main economic activity of housewives, children and others who are employed part time or seasonally in agriculture.

8.3 Relation of population of holder's household to total population, agricultural holdings and cropland

Data on the population of the household of holders were available for 44 countries. These countries had 83.6 million agricultural holdings and a total population of 1 088 million. The number of persons in the household of the holder totalled 533 millions (Table 8.1) and was equal to 49 percent of the total population. The proportion of the total population represented by the farm population of the holder's household varied from 7.6 percent in the United States to more than 80 percent in India, Por-

tuguese Guinea, Togo and Uganda (Table 8.2). The farm population of household of holders per holding varied from 2.1 in Austria to more than 10 in Sarawak, Mali, South Africa and South West Africa. These last are large because holdings operated by each tribal group are counted as a single holding. The number of persons in the household of holder per 100 hectares of cropland was less than 10 in Canada and the United States of America and more than 400 in Barbados, China (Taiwan), Japan, Republic of Korea, Republic of Viet-Nam and Madagascar. The average number of persons per holding is affected not only by the size of family and the inclusion of more than one family in the membership of the holder's household, but also by the extent of the inclusion of nonfamily members, agricultural labourers, participants in collectives, cooperatives and communal holdings in the farm population.

8.4 Holders by major occupation

The FAO programme suggested that the entire farm population be classified by major occupation,

that is whether the major occupation was agricultural or nonagricultural. However, most countries limited the data collected to the major occupation of the holder. Data for holders classified by main occupation appear in Table 8.3 for 21 countries. For the almost 12 million holders in these 21 countries a nonagricultural major occupation was reported for 23 percent. Holders with nonagricultural major occupations are not limited to Europe and other developed countries where employment opportunities off the holding are numerous but are also found in Asian and African countries. The holders with nonagricultural major occupations include holders who have regular full-time jobs off the holding and who operate holdings during the evenings, or weekends, or who relegate the operation of the holding to hired employees, or members of the household or family. The nonagricultural group of holders includes also holders who have part-time jobs off the holding, and holders who work at the part-time job during the slack period of operations on the holding as well as those holders working part time at a non-agricultural job whenever such types of employment are available.

TABLE 8.1 - FARM POPULATION REPORTED FOR HOUSEHOLDS OF HOLDERS, BY CONTINENT

	Totals for all countries included in census		Population of household of holders			
	Number of countries	Number of holdings (1 000)	Number of countries reporting	Number of holdings in countries reporting (1 000)	Farm population of countries reporting (1 000)	Average number of persons per holding
Europe	17	21 145	7	4 975	18 785	3.8
North and Central America..	16	7 183	7	4 482	16 968	3.8
South America ..	9	6 732	5	1 946	10 562	5.4

	Totals for all countries included in census		Population of household of holders			
	Number of countries	Number of holdings (1 000)	Number of countries reporting	Number of holdings in countries reporting (1 000)	Farm population of countries reporting (1 000)	Average number of persons per holding
Asia	18	97 132	13	68 102	458 081	6.7
Africa	19	7 623	12	4 107	28 641	7.0
Oceania	4	333	—	—	—	—
TOTAL	83	140 150	44	83 612	533 037	6.4

TABLE 8.2 - FARM POPULATION

	Date to which data relate	Persons who are members of household of holders			Persons other than members of holder's household living on holding			Population of holder's household		
		Total	Male	Female	Total	Male	Female	Percent of total population	Per holding (persons)	Per 100 hectares of cropland (persons)
EUROPE		18 784 770	7 987 997	7 860 044	82 474	41 501	40 973	...	...	...
Austria	1 June 1960	835 257			139 749	118 642	121 107	18.8	2.1	50
Belgium	31 Dec. 1959	1 028 479	534 432	494 047	5 635	4 685	950	11.3	3.8	112
Finland	15 June 1959	1 604 190	2547 523	2519 897	337 090	318 174	318 916	36.5	4.1	62
France	March 1962 - March 1963	6 887 990	3 506 710	3 381 280	...	...	...	14.4	3.6	38
Germany, Fed. Rep. of	31 May 1960	6 961 421	42 629 901	42 766 818	...	...	...	13.1	4.1	89
Malta and Gozo	Sept.-Oct. 1960	54 973	27 720	27 253	...	...	...	16.7	4.6	344
Netherlands	8 May - 6 June 1959	51 412 460	5741 711	5670 749	...	...	...	12.4	4.7	59
NORTH AND CENTRAL AMERICA		16 967 721	68 873	79 448	16 219	...	...	...	...	...
Antigua and Barbuda	3 Dec. 1961	26 962	12 924	14 038	...	...	...	48.2	4.5	338
Barbados	1961	5117 134	53 969	63 185	...	...	...	50.2	4.2	433
Canada	June 1961	2 128 400	...	...	...	...	...	11.6	4.4	6
Jamaica	April-May 1961	755 072	...	...	...	...	...	45.9	4.7	342
Panama	16 April 1961	491 030	...	...	16 219	...	...	44.9	5.1	89
United States	April 1960	13 444 898	1 980	2 225	...	...	...	7.6	3.6	7
Virgin Islands (U.K.)	1961	4 205	...	...	...	...	...	50.0	5.0	200
SOUTH AMERICA		510 562 199	52 167 283	51 828 632	88 409	43 651	44 758	...	...	...
Argentina	30 Sept. 1960	2 619 587	1 440 202	1 179 385	...	...	...	12.6	5.6	13
Colombia	June 1959 - July 1961	56 566 284	458 705	434 729	88 409	43 651	44 758	42.6	5.4	130
Paraguay	August 1961	893 434	47 615	45 429	...	...	...	49.6	5.5	105
Surinam	November 1959	93 044	5220 761	5169 089	...	...	...	38.6	5.8	245
Uruguay	22-29 May 1961	5389 850	...	...	...	...	...	15.1	4.5	17
ASIA		458 081 384	137 697 617	134 744 897	135 349	100 907	34 442	...	...	...
Brunei	27 Aug. - 5 Sept. 1964	38 587	19 803	18 784	...	...	...	40.2	6.5	205
China (Taiwan)	31 Dec. 1960	5 879 539	2 995 268	2 884 271	...	...	...	55.4	7.3	742
India	July 1959-June 1960	351 000 000	6104 258 000	6100 782 000	...	...	...	81.1	7.2	292
Iran	2 Oct. 1960	12 095 880	6 306 077	5 789 803	...	...	...	56.3	6.4	107
Japan	1 Feb. 1960	34 410 588	16 792 341	17 618 227	7135 349	7100 907	734 442	36.9	5.7	569
Korea, Rep. of	1 Feb. 1961	14 242 000	399 661	396 689	...	...	...	56.1	6.1	755
Lebanon	1961	82 735 332	5120 289	5118 589	...	...	...	36.8	6.3	312
Malaya, Fed. of	Jan.-March 1961	5238 878	...	...	...	...	...	39.6	6.1	155
North Borneo	3 May 1960	512 668 250	...	...	...	...	...	50.7	5.6	150
Philippines		477 418	238 727	238 691	...	...	...	46.2	5.8	189
Sarawak	June-July 1960	913 465 294	96 367 451	96 897 843	...	...	...	63.6	10.6	229
Turkey	July - Dec. 1963	10 033 288	...	...	...	...	...	45.4	3.9	86
Viet-Nam, Rep. of	Sept. - Nov. 1960	...	...	...	...	...	...	71.2	5.3	414

TABLE 8.2 - FARM POPULATION (concluded)

	Date to which data relate	Persons who are members of household of holders			Persons other than members of household living on holding			Population of holder's household		
		Total	Male	Female	Total	Male	Female	Percent of total population	Per holding (persons)	Per 100 hectares of cropland (persons)
AFRICA		28 640 604	7 747 735	8 164 811	2 632 309	1 369 911	1 262 398	...	...	...
Central African Republic	Nov. 1959 - Jan. 1960	5935 000			...	...	...	78.8	4.0	207
Kenya	1960	104 085 800	6935 000	61 000 500	...	...	...	49.1	7.7	245
Lesotho	August 1960	5888 258			...	...	...	63.4	5.5	252
Libya	July-Aug. 1960	854 717	439 892	414 825	...	...	...	76.7	5.9	34
Madagascar	1961/62	4 275 000	...	...	...	...	...	...	4.8	466
Mali	1960	52 884 940	2159 336	2160 441	...	...	...	71.0	10.3	236
Portuguese Guinea	Aug. 1960 - March 1961	514 314	5083 300	5030 100	...	...	...	98.7	5.9	196
Senegal	Sept.-Oct. 1960	51 913 400	111 091 068	112 445 845	132 558 377	121 326 211	121 232 166	61.5	6.5	178
South Africa	June 1960	114 436 913	111 140 706	111 181 977	1373 932	1243 700	1230 232	27.9	40.3	37
South West Africa	June 1960	11322 683			...	...	...	61.9	59.8	50
Togo	1961-62	1 400 023			...	...	...	94.6	6.5	246
Uganda	July 1963 - July 1964	6 129 556	3 098 433	3 031 123	...	...	...	85.3	5.2	271
TOTAL		533 036 678	155 669 505	152 677 832	2 954 760	1 555 970	1 382 571	...	...	...

¹ Permanent workers living in holder's household. — ² Persons 15 years old and over. — ³ Permanent workers living on holding. — ⁴ Persons 14 years old and over. — ⁵ Total farm population. — ⁶ Adults only. — ⁷ Employees residing on holding. — ⁸ Includes 447 197 persons living on estates, most of whom are employees. — ⁹ Persons 10 years old and over. — ¹⁰ Farm population for 517 400 holdings operated by Africans. — ¹¹ Includes all persons on holdings of Bantu. — ¹² On holdings operated by Europeans only.

TABLE 8.3 - NUMBER OF HOLDERS BY MAIN OCCUPATION

	Number of holders by main occupation				Number of holders by main occupation		
	Total number of holders ¹	Agricultural	Non agricultural		Total number of holders ¹	Agricultural	Nonagricultural
	<i>Thousands</i>				<i>Thousands</i>		
EUROPE	5 313	3 772	1 492	ASIA	2 111	1 521	589
Germany, Fed. Rep. of	1 709	2933	2735	Brunei	6	3	3
Malta and Gozo	12	5	7	Ceylon	1 170	830	340
Netherlands	308	227	81	China (Taiwan) ..	808	626	182
Norway	198	122	76	Lebanon	127	62	64
United Kingdom	468	384	76				
Yugoslavia (individual holdings only)	2 618	2 101	517	AFRICA	3 335	2 847	487
				Portuguese Guinea	87	77	10
NORTH AND CENTRAL AMERICA	579	495	81	South Africa	3104	91	13
Dominican Republic	447	392	55	South West Africa	35	5	—
Panama	96	85	8	Tunisia	326	166	160
Trinidad and Tobago	36	18	18	Uganda	1 171	985	186
				United Arab Republic	1 642	1 523	118
SOUTH AMERICA	336	292	44	TOTAL	11 674	8 927	2 693
Surinam	16	12	4				
Venezuela	320	280	40				

¹ Number of holders classified by main occupation may not equal total because some holdings are operated by governments, collectives, etc. — ² Data relate only to holders working on holding. — ³ Holdings operated by Bantu tribes excluded.

9. AGRICULTURAL POWER, MACHINERY AND GENERAL TRANSPORT FACILITIES

9.1 Introduction

The source of power, the kinds of machinery and equipment and the kind of transport facilities available to and used by agricultural holdings are important in determining the timely and effective conduct of agricultural operations, in increasing labour efficiency and in reducing drudgery. The most important contribution of mechanical power and agricultural machinery to agricultural production is not the saving of labour but the increasing of agricultural production. Mechanical power and agricultural machinery make it possible to prepare seedbeds efficiently, to place seed and fertilizer separately and with precision, to apply pesticides uniformly, to conduct timely harvesting, thereby reducing crop losses and improving quality of agricultural products and to aid in the rapid preparation for replanting the land to another crop. Agricultural production is widely distributed over the land area of most countries, and thus means for the transport of agricultural products from the holding to an agricultural product collection centre and for the transport of products required by the holder and members of his household become important especially when agricultural production is partially or wholly commercialized.

The FAO recommendations called for the obtaining of data on source of power, the number of agricultural machines on holdings and the principal means used to transport agricultural products from the holding to the first place of sale.

The classification of agricultural holdings by source and use of power was made on the basis of whether the work on the holding, both in the field and in the farmstead, was performed by mechanical power, work animals, by a combination of mechanical power and work animals or by human power.

The data are summarized in Tables 9.1, 9.2, 9.4 and 9.5. Table 9.3 shows number of tractors by continent.

Data are given in this volume for three kinds of agricultural machines, namely, internal combustion motors, tractors and engine-operated threshing machines. Figures for these three items appear in Table 9.6. Stationary power units used for pumping water for irrigation are excluded from the count of internal combustion engines. The count of the number of holdings reporting each of the three kinds of agricultural machines does not indicate the full extent of their use, as in some countries the count relates to the number of holdings or holders with each type of agricultural machine and the machines themselves may have been used in more than one agricultural holding. Moreover, the capacity of each machine of each kind may vary greatly from country to country and from holding to holding.

In some countries the data published in this volume are for the number of agricultural machines on the holding; in other countries the data are for the number of agricultural machines owned by the holder or the number used in the holding. Table 9.6 also specifies to which count the number of machines relates.

Data on the principal means used to transport agricultural products from holdings to first place of sale have been published for only eight countries and appear in Table 9.7.

9.2 Holdings classified by source of power

Data on the source of power are available for approximately 32 million of the 141 million holdings in 83 countries (Table 9.4). Information on source

of power is available for only 2 countries in Europe, none of the countries in Africa and none of the countries in Oceania. For the 15 countries in Europe for which data regarding source of power are not available, nearly all holdings would depend upon mechanical and/or animal power, except in Poland, France, Spain, Italy and Greece. In North America, holdings in Canada and the United States depended largely upon mechanical power. In Africa, except in South Africa, in some countries north of the Sahara and on large holdings operated by Europeans, there is almost complete dependence on humans as the source of power on agricultural holdings. Small holdings cultivated with hand hoes predominate in most African countries.

The data for the 27 countries for which information on source of power is published in this volume cannot be used to indicate conditions in all 83 countries. The totals do not include data for the United States of America, Canada, Argentina, Australia, New Zealand, the United Kingdom and other countries in which the use of mechanical power is widespread, nor do the totals include countries in Africa where there is almost complete dependence on human power for the performance of field and farmstead work.

For the 27 countries as a group, on 52 percent of the 32 million holdings, animals only were the source of power; on 24 percent, humans were the only source of power; on 15 percent, animals and machines were the source of power; and on 9 percent, machines only were the source of power.

Table 9.4 shows that animals provide the source of power on the largest proportion of the agricultural holdings in 12 countries, humans in 13 countries, and animals and machines in 2 countries (Japan and the Federal Republic of Germany). Japan had almost two thirds of the 2.8 million holdings with machines as the only source of power and more than two thirds of the 4.7 million holdings with animals and machines as the source of power. In the 13 countries in which humans provided the source of power on a major proportion of the holdings, the holdings so provided ranged from one half to more than nine tenths of all agricultural holdings.

The relationship of source of power and size of holding is indicated by the data in Tables 9.2 and 9.5. The data in Table 9.2 are based upon totals for 8 countries in Asia. For these 8 countries, as size of holding increases, the proportion of holdings with

humans as the only source of power declines. Animals or animals and mechanical sources provide the source of power for more than two thirds of the holdings. However, the relationship between source of power and size of holding varies considerably from country to country. Generally, the proportion of holdings using mechanical power only and animal and mechanical power is higher for holdings in the larger size groups.

9.3 Agricultural machines on holdings

Data appear in Table 9.6 for the number of holdings reporting and number of three kinds of agricultural machines—internal combustion engines, tractors, and engine-operated threshing machines.

Information on the number of tractors is available for 55 countries (Table 9.6). The number of tractors counted in these countries totalled 9.3 million and represented four fifths of all the tractors used for agricultural purposes in the world around 1960 (Table 9.3). Four fifths of the tractors were in 4 countries: France, Federal Republic of Germany, Canada and the United States of America. There were tractors on more than two thirds of the holdings in Canada and the United States. Approximately two fifths of the holdings in Denmark, Sweden and France and one tenth to two tenths of the holdings in Netherlands and Norway had tractors. In the other countries for which data are given in Table 9.6, less than 10 percent and in most of the countries less than 5 percent of the holdings had tractors. There were less than 5 tractors per 1 000 hectares of cropland in 21 countries. These 21 countries have 127 million hectares of cropland.

Table 9.6 also provides data on the number of ploughs for countries for which this information is available. The number of ploughs was less than half the number of holdings in 12 of the 18 countries in North and Central America, South America, Asia and Africa.

9.4 Principal means of transport

Information on the principal means of transport is available for only 8 countries and appears in Table 9.7. These 8 countries had 807 000 agricultural holdings. For almost a third of the holdings, the reported principal means of transport was by foot; for 15 percent by pack animals; and for 13 percent by motor vehicles.

TABLE 9.1 - HOLDINGS BY SOURCE OF POWER, BY CONTINENT

	Total	Europe	North and Central America	South America	Asia
Countries reporting source of power					
Number of countries	27	2	7	5	13
Number of holdings (1 000)	32 816	3 886	2 244	5 899	20 787
Source of power					
Number of holdings reporting (1 000) ..	31 622	3 184	2 141	5 802	20 495
Mechanical power only	2 771	418	52	73	2 228
Animal power only	16 546	2 445	981	1 734	11 386
Animal and mechanical power	4 690	289	84	97	4 220
Human power only	7 615	32	1 024	3 898	2 661
Percent distribution by source of power	100.0	100.0	100.0	100.0	100.0
Mechanical power only	8.8	13.1	2.4	1.3	10.9
Animal power only	52.3	76.8	45.8	29.9	55.5
Animal and mechanical power	14.8	9.1	3.9	1.7	20.6
Human power only	24.1	1.0	47.9	67.1	13.0

TABLE 9.2 - PERCENT DISTRIBUTION OF HOLDINGS BY SOURCE OF POWER, IN EACH SIZE OF HOLDING GROUP FOR COUNTRIES IN ASIA

	Percent distribution of holdings by source of power						Percent distribution of holdings by source of power				
	Total	Mechanical power only	Animal power only	Animal and mechanical power	Human power only		Total	Mechanical power only	Animal power only	Animal and mechanical power	Human power only
Total	100	13	48	28	11	10 ha and under 20 ..	100	4	70	21	5
Under 1 hectare	100	17	40	29	14	20 ha and under 50 ..	100	6	65	25	4
1 ha and under 5	100	10	53	29	8	50 ha and under 100	100	5	69	24	2
5 ha and under 10	100	3	70	20	7	100 ha and over	100	33	36	30	1

TABLE 9.3 - NUMBER OF TRACTORS BY CONTINENT

	Total number of tractors	Number of tractors counted on holdings in countries included in census	Estimated number of tractors in other countries		Total number of tractors	Number of tractors counted on holdings in countries included in census	Estimated number of tractors in other countries
		Thousands				Thousands	
Europe	3 619	2 761	858	Africa	221	169	52
North and Central America..	5 758	5 753	5	Oceania	322	321	1
South America..	259	183	76	U.S.S.R.	1 122	—	1 122
Asia	130	66	64	China (Mainland)	70	—	70
				TOTAL	11 501	9 253	2 248

TABLE 9.4 - HOLDINGS REPORTING BY SOURCE OF POWER

	Year to which data relate	Total number of holdings (1 000)	Total number of holdings reporting source of power	Number of holdings reporting					
				Mechanical power only	Animal power only			Animal and mechanical power	Human power only
					Total	Animal power owned	Animal power not owned		
EUROPE		3 886	3 184 129	418 223	2 445 258	...	...	288 814	31 834
Germany, Fed. Rep. of	1960	1 262	559 935	175 372	90 096	...	...	288 814	5 653
Yugoslavia	1960	2 624	2 624 194	242 851	12 355 162	1 376 169	2978 993	...	226 181
NORTH AND CENTRAL AMERICA		2 244	2 141 276	52 080	981 258	...	...	83 938	1 024 000
Costa Rica	1963	65	64 621	4 720	12 153	...	...	1 620	46 128
Dominican Republic	1960	447	345 863	5 097	61 464	...	...	49 797	229 505
El Salvador	1961	224	224 289	791	77 467	...	...	3 200	142 831
Mexico	1960	1 365	1 365 141	36 479	803 992	...	...	28 770	495 900
Panama	1960	96	95 505	1 800	9 348	...	...	527	83 830
Puerto Rico	1959	46	45 372	3 082	16 775	...	...	...	25 515
Virgin Islands (U.S.)	1960	1	485	111	59	...	...	24	291
SOUTH AMERICA		5 899	5 801 393	72 718	1 734 260	...	...	96 557	3 897 858
Brazil	1960	3 338	3 337 769	16 945	734 110	...	...	30 477	2 556 237
Colombia	1960	1 210	1 209 672	29 916	352 710	...	...	45 330	781 716
Paraguay	1961	161	160 777	1 599	96 727	94 001	2 726	4 928	57 523
Peru	1961	870	773 081	5 768	516 929	...	...	14 287	236 097
Venezuela	1961	320	320 094	18 490	33 784	...	...	1 535	266 285
ASIA		20 787	20 495 248	2 227 625	11 386 144	384 504	436 327	4 220 894	2 660 585
Brunei	1964	6	6 245	57	544	464	80	...	5 644
China (Taiwan)	1960	808	806 557	2 830	685 987	309 048	376 939	13 810	103 930
Iran	1960	1 877	1 877 299	70 566	1 406 038	...	...	111 121	289 574
Iraq	1958	253	253 254	...	169 251	...	...	14 501	69 502
Japan	1960	6 057	6 056 534	1 708 658	288 685	...	...	3 645 214	413 977
Korea, Rep. of	1961	2 329	2 301 305	147	2 280 002	...	...	...	21 156
Lebanon	1961/62	127	118 145	1 817	92 486	...	...	8 291	15 551
Malaya, Fed. of (farm households only)	1960	452	449 650	21 302	1125 562	174 992	159 308	8 738	294 048
North Borneo	1961	43	42 974	65	15 995	...	...	26	26 888
Philippines	1960	2 166	2 166 216	4 143	1 606 007	...	...	60 385	495 681
Sarawak	1960	45	44 712	22	524	...	...	...	44 166
Thailand ³	1963	3 214	3 087 141	100 434	2 180 647	...	...	358 808	447 252
Turkey	1963	3 410	3 285 216	317 584	2 534 416	...	...	...	433 216
TOTAL		32 816	31 622 046	2 770 646	16 546 920	...	...	4 690 203	7 614 277

¹ Includes holdings with both animal and mechanical power. — ² Refers to individual holdings only. — ³ Data are for holdings with 0.32 ha or more.

TABLE 9.5 - NUMBER OF HOLDINGS BY SOURCE OF POWER AND BY SIZE OF HOLDING

	Total number of holdings reporting	Size of holdings						
		Under 1 ha	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and over
EUROPE	3 184 129	508 307	1 469 022	603 671	433 476	151 962	13 473	4 218
Mechanical power only	418 223	151 691	115 537	32 723	85 381	28 956	3 168	767
Animal power only	2 445 258	339 273	1 315 016	551 745	198 012	39 228	533	1 451
Animal and mechanical power	288 814	12 027	23 300	12 900	146 101	82 836	9 675	1 975
Human power only	31 834	5 316	15 169	6 303	3 982	942	97	25
Germany, Fed. Rep. of	559 935	36 865	71 599	39 665	278 661	117 954	12 796	2 395
Mechanical power only	175 372	15 804	30 700	15 000	81 671	27 010	2 814	373
Animal power only	90 096	8 417	16 400	9 100	48 451	7 496	210	22
Animal and mechanical power	288 814	12 027	23 300	12 900	146 101	82 836	9 675	1 975
Human power only	5 653	617	1 199	665	2 438	612	97	25
Yugoslavia	2 624 194	471 442	1 397 423	564 006	154 815	34 008	677	1 823
Mechanical power only	242 851	135 887	84 837	15 723	3 710	1 946	354	394
Animal power only ¹	2 355 162	330 856	1 298 616	542 645	149 561	31 732	323	1 429
Animal and mechanical power ¹								
Human power only	26 181	4 699	13 970	5 638	1 544	330	—	—
NORTH AND CENTRAL AMERICA	730 278	267 754	287 433	65 915	46 271	37 930	14 555	10 420
Mechanical power only	12 408	1 471	4 123	1 719	1 341	1 463	802	1 489
Animal power only	160 432	53 960	66 212	14 362	10 160	9 252	3 917	2 569
Animal and mechanical power	55 144	17 159	27 121	4 374	2 739	1 982	743	1 026
Human power only	502 294	195 164	189 977	45 460	32 031	25 233	9 093	5 336
Costa Rica	64 621	3 661	19 572	10 805	9 161	11 443	5 754	4 225
Mechanical power only	4 720	229	1 345	684	600	647	434	781
Animal power only	12 153	413	3 064	2 031	1 922	2 473	1 375	875
Animal and mechanical power	1 620	19	297	230	230	279	199	366
Human power only	46 128	3 000	14 866	7 860	6 409	8 044	3 746	2 203
Dominican Republic	345 863	153 421	143 755	23 372	13 498	8 083	2 082	1 652
Mechanical power only	5 097	929	2 067	683	420	499	199	300
Animal power only	61 464	22 745	26 951	5 308	3 115	2 345	574	426
Animal and mechanical power	49 797	16 588	25 282	3 737	2 165	1 368	359	298
Human power only	229 505	113 159	89 455	13 644	7 798	3 871	950	628
El Salvador	224 289	105 713	85 373	13 652	8 715	6 366	2 390	2 080
Mechanical power only	791	253	130	63	99	57	23	166
Animal power only	77 467	30 729	33 960	5 264	3 232	2 347	1 106	829
Animal and mechanical power	3 200	547	1 452	325	258	219	123	276
Human power only	142 831	74 184	49 831	8 000	5 126	3 743	1 138	809
Panama	95 505	4 959	38 733	18 086	14 897	12 038	4 329	2 463
Mechanical power only	1 800	60	581	289	222	260	146	242
Animal power only	9 348	73	2 237	1 759	1 891	2 087	862	439
Animal and mechanical power	527	5	90	82	86	116	62	86
Human power only	83 830	4 821	35 825	15 956	12 698	9 575	3 259	1 696
SOUTH AMERICA	2 302 847	585 466	973 083	299 770	184 914	131 378	56 969	71 267
Mechanical power only	54 174	4 368	16 892	8 517	6 961	6 215	3 410	7 811
Animal power only	903 423	232 960	412 163	113 763	63 987	43 013	17 397	20 140
Animal and mechanical power	61 152	5 716	25 078	10 884	7 019	5 194	2 432	4 829
Human power only	1 284 098	342 422	518 950	166 606	106 947	76 956	33 730	38 487
Colombia	1 209 672	298 071	458 534	169 145	114 231	86 789	39 990	42 912
Mechanical power only	29 916	2 564	8 220	4 744	4 413	4 150	2 222	3 603
Animal power only	352 710	51 875	134 873	61 251	43 323	31 975	13 910	15 503
Animal and mechanical power	45 330	3 337	17 802	8 571	5 646	4 306	1 986	3 682
Human power only	781 716	240 295	297 639	94 579	60 849	46 358	21 872	20 124
Peru	773 081	265 044	376 666	72 823	29 296	15 989	5 412	7 851
Mechanical power only	5 768	1 063	2 305	695	494	363	207	641
Animal power only	516 929	179 139	262 783	45 762	16 026	7 731	2 311	3 177
Animal and mechanical power	14 287	2 333	6 718	2 022	1 226	745	371	872
Human power only	236 097	82 509	104 860	24 344	11 550	7 150	2 523	3 161
Venezuela	320 094	22 351	137 883	57 802	41 387	28 600	11 567	20 504
Mechanical power only	18 490	741	6 367	3 078	2 054	1 702	981	3 567
Animal power only	33 784	1 946	14 507	6 750	4 638	3 307	1 176	1 460
Animal and mechanical power	1 535	46	558	291	147	143	75	275
Human power only	266 285	19 618	116 451	47 683	34 548	23 448	9 335	15 202
ASIA	14 737 029	7 315 122	5 872 760	1 029 671	402 187	103 828	9 173	4 288
Mechanical power only	1 905 808	1 271 683	575 750	32 618	17 111	6 709	504	1 433
Animal power only	7 073 083	2 901 609	3 095 553	720 108	280 654	67 375	6 291	1 493
Animal and mechanical power	4 146 008	2 099 309	1 731 377	201 684	84 343	25 769	2 227	1 299
Human power only	1 612 130	1 042 521	470 080	75 261	20 079	3 975	151	63

TABLE 9.5 - NUMBER OF HOLDINGS BY SOURCE OF POWER AND BY SIZE OF HOLDING (concluded)

	Total number of holdings reporting	Size of holdings						
		Under 1 ha	1 ha and under 5	5 ha and under 10	10 ha and under 20	20 ha and under 50	50 ha and under 100	100 ha and over
China (Taiwan)	806 557	541 746	259 684	5 127	—	—	—	—
Mechanical power only	2 830	1 622	1 187	21	—	—	—	—
Animal power only	685 987	447 780	234 268	3 939	—	—	—	—
Animal and mechanical power	13 810	6 155	6 931	724	—	—	—	—
Human power only	103 930	86 189	17 298	443	—	—	—	—
Iran	1 877 299	492 306	730 953	340 037	223 757	77 714	8 446	4 086
Mechanical power only	70 566	7 350	37 510	10 011	9 565	4 372	349	1 409
Animal power only	1 406 038	240 457	606 470	300 490	192 703	58 424	6 049	1 445
Animal and mechanical power	111 121	5 400	40 522	27 215	19 946	14 758	2 048	1 232
Human power only	289 574	239 099	46 451	2 321	1 543	160	—	—
Japan	6 056 534	3 911 695	2 040 975	67 659	29 645	6 560	—	—
Mechanical power only	1 708 658	1 240 366	465 321	1 964	966	41	—	—
Animal power only	288 685	215 488	64 495	4 775	3 234	693	—	—
Animal and mechanical power	3 645 214	2 062 550	1 491 329	60 228	25 301	5 806	—	—
Human power only	413 977	393 291	19 830	692	144	20	—	—
Korea, Rep. of	2 298 729	1 631 886	666 843	—	—	—	—	—
Mechanical power only	136	66	70	—	—	—	—	—
Animal power only	2 277 683	1 613 015	664 668	—	—	—	—	—
Animal and mechanical power	—	—	—	—	—	—	—	—
Human power only	20 910	18 805	2 105	—	—	—	—	—
Lebanon	118 145	61 195	45 243	7 145	2 953	1 239	257	113
Mechanical power only	1 817	423	860	219	131	144	35	5
Animal power only	92 486	47 045	38 552	4 754	1 597	398	112	28
Animal and mechanical power	8 291	988	3 535	1 867	1 183	562	89	67
Human power only	15 551	12 739	2 296	305	42	135	21	13
Malaya, Fed. of	449 650	166 700	254 740	22 900	4 380	840	90	—
Mechanical power only	21 302	5 772	11 400	2 800	940	330	60	—
Animal power only	125 562	36 652	83 000	5 350	530	30	—	—
Animal and mechanical power	8 738	1 898	5 740	850	210	40	—	—
Human power only	294 048	122 378	154 600	13 900	2 700	440	30	—
North Borneo	42 974	9 183	23 622	7 303	1 952	775	50	89
Mechanical power only	65	—	2	3	9	22	10	19
Animal power only	15 995	2 245	9 100	3 400	890	330	10	20
Animal and mechanical power	26	—	20	—	3	3	—	—
Human power only	26 888	6 938	14 500	3 900	1 050	420	30	50
Thailand	3 087 141	500 411	1 850 700	579 500	139 500	16 700	330	—
Mechanical power only	100 434	16 084	59 400	17 600	5 500	1 800	50	—
Animal power only	2 180 647	298 927	1 395 000	397 400	81 700	7 500	120	—
Animal and mechanical power	358 808	22 318	183 300	110 800	37 700	4 600	90	—
Human power only	447 252	163 082	213 000	53 700	14 600	2 800	70	—
TOTAL	20 954 283	8 676 649	8 602 298	1 999 027	1 066 848	425 098	94 170	90 193
Mechanical power only	2 390 613	1 429 213	712 302	75 577	110 794	43 343	7 884	11 500
Animal power only	10 582 196	3 527 802	4 888 944	1 399 978	552 813	158 868	28 138	25 653
Animal and mechanical power	4 551 118	2 134 211	1 806 876	229 842	240 202	115 781	15 077	9 129
Human power only	3 430 356	1 585 423	1 194 176	293 630	163 039	107 106	43 071	43 911

¹ Animal and mechanical power included with animal power only. —

TABLE 9.6 - NUMBER OF HOLDINGS REPORTING AND NUMBER OF MACHINES OWNED BY HOLDERS

Year to which data relate	Total number of holdings	Internal combustion motors		Tractors		Threshers (engine-operated)		Count of machines represents number	Number of ploughs (1 000)	Tractors per 1 000 hectares of cropland
		Number of holdings reporting	Number of motors	Number of holdings reporting	Number of tractors	Number of holdings reporting	Number of machines			
EUROPE	...	...	166 885	...	2 761 307	...	988 424	...	...	...
Austria	396 530	...	19 534	...	129 071	...	53 838	Owned	...	...
Belgium	269 069	8 694	9 249	...	44 069	...	21 226	Used	...	78
Denmark	196 506	...	...	87 367	96 407	...	...	On holding	241	48
Finland	387 962	...	...	...	70 651	...	3 229	On holding	...	35
France	1 899 170	...	...	813 190	911 320	...	...	On holding	...	27
Germany, Fed. Rep. of	1 709 084	...	56 835	...	885 766	...	245 252	Used	...	50
Ireland	360 113	...	...	...	43 567	...	...	Owned	192	113
Italy	4 294 004	...	...	145 350	175 551	11 757 955	...	Used	...	29
Malta and Gozo	11 747	...	...	...	1 243	...	19	On holding	...	14
Netherlands	308 054	...	14 778	58 641	70 547	...	3 014	Owned	181	77
Norway	433 920	5 294	5 321	50 969	55 786	...	124 535	On holding	170	65
Poland (individual holdings only)	3 591 947	...	48 082	...	13 595	...	1587 122	Owned	...	1
Spain	3 007 626	...	...	65 928	80 852	26 278	27 589	On holding	2 437	4
Sweden	264 580	...	...	121 798	149 145	...	...	On holding	...	45
Yugoslavia	2 624 192	...	13 086	...	33 737	...	119 708	Owned	1 346	5
NORTH AND CENTRAL AMERICA	...	...	708	...	5 752 634	...	71 536	...	...	...
Antigua and Barbuda	5 747	...	8	...	123	...	...	On holding	...	15
Barbados	27 912	...	67	...	397	...	...	On holding	...	15
Canada	480 903	...	...	384 633	549 789	65 511	66 057	On holding	...	15
Costa Rica	64 621	...	...	1 248	2 404	...	106	Used	5	4
Dominican Republic	447 098	...	...	...	1 093	...	...	Owned	25	1
Jamaica	158 941	...	...	...	1 558	...	...	Owned	1	7
Mexico	1 365 141	...	...	...	254 537	...	...	Owned	...	2
Panama	95 505	476	628	226	347	...	...	Owned	...	1
Puerto Rico	45 792	...	...	1 309	3 338	...	...	On holding	...	12
United States	3 707 973	...	...	2 679 561	5 138 921	...	...	On holding	...	28
Virgin Islands (U.K.)	792	...	5	30	2	...	...	On holding	...	1
Virgin Islands (U.S.)	501	...	...	...	125	...	...	On holding	...	27
SOUTH AMERICA	...	...	58 241	...	183 056	...	12 343	...	1 415	...
Argentina	471 756	...	...	...	104 184	...	12 392	On holding	867	5
Chile	1 209 672	4 862	6 599	14 115	22 307	4 649	4 926	On holding	285	5
Colombia	160 777	19 737	23 279	8 129	15 361	2 874	3 462	Owned	...	3
Paraguay	869 945	310	334	1 028	1 221	383	632	On holding	123	1
Peru	...	...	...	23 422	...	2383	...	Used	...	...
Surinam	16 239	...	...	483	622	...	72	On holding	2	16
Uruguay	86 928	...	7 454	...	24 695	...	503	On holding	138	11
Venezuela	320 094	...	20 575	7 105	14 666	351	356	On holding	...	3

TABLE 9.6 - NUMBER OF HOLDINGS REPORTING AND NUMBER OF MACHINES OWNED BY HOLDERS (concluded)

	Year to which data relate	Total number of holdings	Internal combustion motors		Tractors		Threshers (engine-operated)		Count of machines represents number	Number of ploughs (1 000)	Tractors per 1 000 hectares of cropland
			Number of holdings reporting	Number of motors	Number of holdings reporting	Number of tractors	Number of holdings reporting	Number of machines			
ASIA											
China (Taiwan)	1960	808 267	...	20 282	...	65 936	...	2 477 576	...	...	...
Indonesia	1963	12 237 590	...	...	...	521	...	9	Owned	...	1
Iran	1960	1 877 299	31 996	...	...	36 082	...	...	Owned	5 633	—
Iraq	1958	253 254	5 633	...	...	2 404	...	199	Used	...	...
Japan	1960	6 036 534	...	...	...	9 259	12 203 254	2 459 308	Owned	...	87
Korea, Rep. of	1961	2 331 874	...	...	...	...	10 447	10 866	Used	...	...
Lebanon	1961/62	137 121	16 949	17 287	...	2 057	...	...	On holding	1 077	...
Malaya, Fed. of	1960	432 189	...	2 995	...	2 391	...	...	On holding	121	1
Philippines	1960	2 166 216	...	...	...	5 127	...	3 022	Owned	1 753	1
Thailand	1963	3 214 405	...	...	183 069	...	158 677	...	Used	...	...
Turkey	1963	3 409 846	...	...	...	37 397	...	4 172	Owned	1 053	2
Viet-Nam, Rep. of	1960	4 329	...	...	4297	4698	...	...	On holding	...	—
AFRICA											
Kenya (European holdings only)	1960	...	...	111 682	...	169 078	...	59 478	...	...	...
Lesotho	1960	3 609	...	...	...	6 403	...	...	On holding	...	11
Libya	1960	161 250	...	...	132	132	...	...	Owned	65	—
Madagascar	1960	145 518	...	2 571	...	2 508	...	470	On holding	...	10
South Africa	1961/62	882 000	...	583 816	...	5119 196	...	137 400	On holding	56	...
Southern Rhodesia (European holdings)	1960	7 064	...	...	...	12 115	...	5221	On holding	...	...
South West Africa	1960	5 358	...	59 495	...	51 593	...	...	On holding	12	2
Tanganyika (commercial holdings only)	1960	1 241	...	...	...	1 815	...	...	On holding	1	5
Tunisia	1961/62	1 642 160	...	15 800	...	10 047	...	...	Used	...	2
United Arab Republic	1961	...	11 378	...	...	12 837	8 692	9 178	On holding	...	5
Zambia (European holdings)	1960	1 467	...	...	...	2 432	...	...	On holding	...	30
OCEANIA											
Australia	1960	...	...	...	...	320 622	...	...	...	...	...
New Zealand	1960	252 243	...	...	...	242 207	...	...	On holding	...	19
		76 928	...	...	...	78 415	...	...	On holding	...	167
TOTAL		...	...	357 798	...	9 252 633	...	3 609 357	...	...	...

¹ Not specified as engine-operated. — ² Data for holdings 5 ha and over. — ³ Do not include data for sugarcane, tobacco and rosella estates. — ⁴ Data are for estates only. — ⁵ Do not include data for Bantu holdings.

TABLE 9.7 - PRINCIPAL MEANS USED TO TRANSPORT AGRICULTURAL PRODUCTS FROM HOLDINGS TO FIRST PLACE OF SALE

	Total number of holdings (1 000)	Number of holdings reporting principal means of transport								Means not reported
		On foot	On pack animals	In carts or wagons	By bicycle	By motor vehicle	By train	By boat	By other means	
NORTH AND CENTRAL AMERICA	160	21 526	27 921	12 571	...	24 764	857	5 267	27 544	39 600
Costa Rica	64	2 113	11 352	11 188	...	11 192	612	620	27 544	...
Panama	96	19 413	16 569	1 383	...	13 572	245	4 647	...	39 600
SOUTH AMERICA	336	66 183	88 596	3 110	526	53 268	36	5 956	1 144	117 712
Surinam	16	363	...	797	526	1 657	...	1 529	...	11 365
Venezuela	320	65 820	88 596	2 313	...	51 611	36	4 427	1 144	106 347
ASIA	94	17 630	1 484	...	3 001	15 704	...	24 383	...	20 813
Brunei	6	939	...	...	226	1 041	...	522	...	3 578
North Borneo	43	9 258	1 484	...	636	8 807	...	5 554	...	17 235
Sarawak	45	7 433	...	...	2 139	5 856	...	18 307	...	...
AFRICA	217	176 127	...	...	28 000	13 000	...	...	...	...
Togo	217	176 127	...	...	28 000	13 000	...	...	...	...
TOTAL	807	281 466	118 001	15 681	31 527	106 736	893	35 606	28 688	178 125

10. IRRIGATION AND DRAINAGE

10.1 Introduction

Crop production is affected significantly by water supply. In some parts of the world, precipitation is inadequate for the production of most crops, and crop production is possible only because water is supplied by irrigation. Also, maximum crop production and maximum use of cropland are hindered in many areas and countries because water supply is not adequate during some parts of the growing season. Accordingly, irrigation and water management are important factors in securing satisfactory crop yields and in obtaining the maximum crop production through the growing of more than one crop per year.

For the purpose of the 1960 census, irrigation denotes the practice of providing land with water other than rain for crop production. Area irrigated does not include land on which rainwater is retained by dikes or terraces for growing of such crops as paddy rice, but it does include areas irrigated by rainwater if collected and brought to the field later. The FAO programme recommended obtaining figures for total area irrigated and suggested obtaining additional information regarding the area provided with irrigation facilities, the area irrigated by sprinklers, the area irrigated by source of water and area irrigated by method of irrigation. The information regarding source of water refers only to the source from which the holder obtained the water directly and not to the source from which water was obtained when the water was supplied from outside the holding. Likewise, the information on method of irrigation relates to the method used on the holding and does not relate to the method by which the water was brought to the holding. Groundwater was defined as water occurring beneath the land surface, from which wells were supplied.

10.2 Area irrigated

Areas where irrigation is necessary for maximum crop production are very extensive and comprise portions of every continent. In the northern hemisphere, these areas extended across the western part of the United States of America and Mexico, across Spain, southern France, Italy, Greece, Asia Minor, across northern Africa, the Arabian Peninsula, India and into Mainland China. In the southern hemisphere, the areas requiring irrigation include parts of South America on the west side of the Andes, the southern part of South America, most of the southern part of Africa, and parts of Australia. Irrigation is also practised in areas with substantial but sporadic rainfall. In these areas, during some months there may be practically no rainfall. In some countries irrigation is important, even when the periods of drought last only from two weeks to two months.

In some areas, sufficient rainfall is available for growing crops in normal years, but occasional short periods without rainfall may partially or wholly destroy crops. In some such areas, irrigation has been developed to prevent crop losses resulting from abnormal variations in rainfall during the growing season.

The data available for 51 countries which published information on irrigation are summarized in Tables 10.1, 10.2 and 10.3. Holdings with irrigation represent in some countries holdings provided with irrigation facilities and in other countries holdings with area irrigated. However, since the irrigation facilities are usually used, the differences between the number of holdings with irrigation facilities and the number of holdings reporting area irrigated is likely to be very small. Hence no notes appear in Table 10.2 to distinguish between the two.

Data on area irrigated appear in Table 10.2 for 44 countries. It is estimated that irrigation occurred

on a total of 40 to 50 million of the 123 million agricultural holdings in the countries included in Table 10.2. Irrigation was reported on more than 40 percent of the holdings in Chile, India and Thailand. The total area irrigated was 85.6 million hectares. (No data for land irrigated is shown in the tables for United Arab Republic; practically all the cropland in that country is irrigated.) The area irrigated for Indonesia is understated because data are not included for area irrigated on sugarcane, tobacco and rosella estates. The irrigated land in the world around 1960 is estimated at about 190 million hectares, and the area irrigated outside Mainland China at approximately 116 million hectares. Thus, the irrigated land in these 44 countries represents approximately three fourths of all irrigated land outside of Mainland China. More than 90 percent of the irrigated land was in the 15 countries that had 1 million hectares or more irrigated land. India had more than one fourth of the total area irrigated in the 44 countries. Three fourths of the total area irrigated was in the 14 countries in which one sixth or more of the cropland was irrigated.

10.3 Area irrigated by source of water

Areas irrigated by source of water have been published for only 4 countries, but data for irrigation

by method are available for 12 countries (see Table 10.3). Areas irrigated by pumping include areas irrigated by pumping from streams, canals, tanks, wells, or through the use of Persian wheels or other water-lifting devices. Irrigation by other methods include irrigation from springs and ponds, and irrigation by flooding. Data on irrigation by sprinklers were available for only 6 countries.

10.4 Area drained

The FAO programme suggested the collection of data relating to the area from which excess water was removed from land surfaces and from the upper layers of the land to make nonproducing wet land productive and producing wet land more productive. It was suggested that data be taken separately for nonirrigated and irrigated land. For nonirrigated land the data were to relate to land drained through covered drains, and for irrigated land the data were to relate separately to land drained through open drains and through covered drains by pumping and by gravity flow. Information on area drained has been published for only a few countries and is summarized along with a description of the data in Table 10.4.

TABLE 10.1 - IRRIGATION BY CONTINENT

	Total	Europe	North and Central America	South America	Asia	Africa	Oceania
Countries included in census							
Number of countries	83	17	16	9	18	19	4
Number of holdings (1 000)	140 150	21 145	7 183	6 732	97 132	7 624	333
Total cropland (1 000 ha)	699 504	106 415	248 524	68 613	222 071	40 317	13 564
Countries reporting irrigation							
Number of countries	51	9	12	7	15	7	1
Number of holdings (1 000)	123 283	12 145	6 439	6 244	95 875	2 328	252
Total cropland (1 000 ha)	601 501	49 573	245 490	40 103	220 094	24 155	13 086
Land irrigated							
Hectares (1 000)	85 611	4 638	16 339	3 051	59 425	1 310	847
Percent distribution	100.0	5.4	19.1	3.6	69.4	1.5	1.0
Percent of total cropland	14.3	9.4	6.7	6.2	27.0	5.4	6.5

TABLE 10.2 - HOLDINGS WITH IRRIGATION AND LAND IRRIGATED

	Year to which data relate	Total number of holdings	Total area of cropland in holdings (hectares)	Holdings with irrigation (number)	Land irrigated	
					Hectares	Percent of cropland
EUROPE		12 145 593	49 573 093	...	4 637 554	9.4
Belgium	1959	269 069	913 804	425	1450	—
Denmark	1959	196 506	2 743 721	...	579	—
Finland	1959	387 962	2 596 733	1 663	1 877	0.1
Greece	1961	1 156 172	3 621 297	...	48 905	1.4
Italy	1961	4 294 004	12 552 853	925 418	12 443 765	19.5
Malta and Gozo	1960	11 747	16 057	...	702	4.4
Norway	1959	198 315	1 077 749	5 318	117 994	2.2
Spain	1961/62	3 007 626	19 441 630	1 478 052	2 034 107	10.5
Yugoslavia	1960	2 624 192	6 609 249	...	89 175	1.3
NORTH AND CENTRAL AMERICA		6 438 751	245 489 555	366 190	16 339 369	6.7
Antigua and Barbuda	1961	5 747	8 403	533	...	...
Barbados	1961	27 912	26 801	1 140	...	...
Canada	1960	480 903	36 695 945	13 859	346 164	0.9
Costa Rica	1963	64 621	609 974	1 919	...	...
Dominican Republic	1960	447 098	1 807 359	32 721	109 557	6.1
Jamaica	1961	158 941	220 662	4 498	...	...
Mexico	1960	1 365 141	23 816 912	...	2 475 449	10.4
Panama	1960	95 505	553 397	924	14 277	2.6
Puerto Rico	1959	45 792	284 614	570	30 660	10.8
Trinidad and Tobago	1963	35 796	131 865	3 450	...	...
United States	1959	3 710 503	181 331 985	306 532	13 363 262	7.4
Virgin Islands (U.K.)	1961	792	1 638	44	...	...
SOUTH AMERICA		6 243 842	49 103 049	...	3 051 461	6.2
Brazil	1960	3 337 769	28 712 209	35 078	461 550	1.6
Chile	1964/65	258 657	4 434 390	108 086	1 102 700	24.8
Colombia	1959	1 209 672	5 047 088	41 298	226 336	4.5
Paraguay	1961	160 777	846 919	3 628	...	...
Peru	1961	869 945	2 596 321	...	1 016 271	39.1
Uruguay	1961	86 928	2 251 709	...	26 646	1.2
Venezuela	1961	320 094	5 214 413	20 561	217 958	4.2
ASIA		95 874 909	220 093 650	...	59 424 824	27.2
Brunei ¹	1964	6 306	17 745	410	1899	5.1
China (Taiwan)	1960	808 267	791 531	...	492 627	62.2
India	1959/60	48 882 000	120 268 000	22 393 000	23 913 000	19.8
Indonesia	1963	12 237 590	12 850 923	4 922 405	2 350 632	18.2
Iran	1960	1 877 299	11 320 436	...	4 650 870	41.1
Iraq	1958	253 254	7 460 626	...	3 675 072	49.3
Japan	1960	6 056 534	6 046 240	...	3 368 599	55.7
Korea, Rep. of	1960	2 331 834	1 887 079	...	1748 790	39.7
Lebanon	1961	127 123	255 101	57 830	40 873	16.0
Malaya, Fed. of	1960	452 189	1 768 134	125 312	1107 245	6.1
Pakistan	1959/60	12 154 928	22 818 975	...	13 485 921	59.1
Philippines	1960	2 166 216	6 696 178	374 405	1 144 928	17.1
Thailand	1962/63	3 214 405	9 790 413	1 480 836	3 615 515	36.9
Turkey	1963	3 409 846	15 701 436	...	1 310 098	8.3
Viet-Nam, Rep. of	1960	1 897 118	2 420 833	...	3519 755	21.5
AFRICA		2 328 068	24 155 460	...	1 310 372	6.3
Kenya	1960/61	521 009	1 670 161	...	414 083	0.8
Libya	1960	145 518	2 509 431	31 553	120 591	4.8
Morocco	1961/62	1 106 765	7 276 000	...	343 526	4.7
South Africa	1960	110 362	12 058 176	...	808 255	6.7
Southern Rhodesia	1960	437 589	...	...	418 134	...
South West Africa	1960	5 358	641 692	...	3 784	0.6
Zambia (European holdings)	1960	1 467	...	...	1 999	...
OCEANIA		252 243	13 086 414	...	847 285	6.5
Australia	1960	252 243	13 086 414	...	847 285	6.5
TOTAL		123 283 406	601 501 221	...	85 610 865	14.2

¹ Land with irrigation facilities. — ² Data are for holdings 5.1 ha and over. — ³ Data do not include information for estates. — ⁴ Data are for holdings operated by Europeans.

TABLE 10.3 - AREA IRRIGATED BY SOURCE OF WATER AND BY METHOD OF IRRIGATION

	Holdings with irrigation (number)	Land irrigated (hectares)	Area irrigated by source of water				Area irrigated by method of irrigation						Area irrigated by sprinkler		
			With water from holding		With water from outside holding		By gravity flow		By pumping		By other methods				
			Number of holdings reporting	Hectares	Number of holdings reporting	Hectares	Number of holdings reporting	Hectares	Number of holdings reporting	Hectares	Number of holdings reporting	Hectares	Number of holdings reporting	Hectares	
EUROPE															
Italy	925 418	2 443 765	...	636	...	...	1 774 581	...	...	...	107 934	213 171	93 921	456 012	
Malta and Gozo	1 478 052	2 034 107	247 072	431 459	1 270 412	1 602 648	...	...	...	...	...	...	5 089	22 435	
Spain	...	89 175	...	...	...	...	...	...	...	...	...	...	...	8 122	
Yugoslavia															
NORTH AND CENTRAL AMERICA															
Antigua and Barbuda	533	...	78	...	1 457	...	...	...	16	...	518	...	...	...	
Barbados	1 140	...	545	...	604	...	...	...	164	...	910	33 221	...	...	
Dominican Republic	32 721	109 557	...	...	...	...	...	...	...	75 336	...	746 283	...	...	
Mexico ²	36 292	...	...	1 089 530	...	2 289 013	...	1 872 214	...	760 046	...	...	...	...	
Virgin Islands (U.K.)	44	...	22	...	1 22	...	...	...	7	...	41	...	...	...	
SOUTH AMERICA															
Venezuela	20 561	217 958	...	...	...	...	...	...	...	...	...	...	1 683	...	
ASIA															
China (Taiwan)	4 922 405	492 627	...	56 638	...	435 989	...	453 211	...	26 149	155 889	13 267	...	...	
Indonesia ³	...	2 350 632	...	...	...	...	4 766 516	2 265 213	...	...	...	85 419	...	...	
Iraq	...	3 675 072	...	...	...	...	...	2 165 510	...	1 509 552	...	...	...	...	
Lebanon	57 830	40 873	...	...	...	...	...	31 156	...	...	...	7 604	...	...	
Philippines	374 405	1 144 928	...	...	...	...	369 288	603 171	11 507	5 340	...	...	...	...	
AFRICA															
Kenya ⁴	...	14 083	...	...	...	...	...	82 347	...	...	...	38 134	...	...	
Libya	31 533	120 591	...	...	...	...	...	...	...	...	...	...	...	67 406	
South Africa ⁴	...	808 255	...	...	...	...	...	...	...	...	...	...	...	236	
South West Africa ⁴	...	3 784	...	...	...	...	...	...	...	...	...	...	...	...	

¹ Both from holding and from outside holding. — ² Data are for holdings 5.1 ha and over. — ³ Does not include data for estates and holdings operated by government. — ⁴ Data relate only to holdings operated by Asians and Europeans.

TABLE 10.4 - AREA DRAINED

	Nonirrigated land drained through covered drains		Irrigated land with drainage		Description of data
	Holdings reporting	Area drained (ha)	Holdings reporting	Area drained (ha)	
Belgium	28 407	142 506	...	...	Land drained through covered drains
Finland	...	211 826	...	...	Land drained through covered drains
Spain	91 002	204 748	...	...	
Yugoslavia	...	2 052 000	...	...	Land drained by all methods. Includes also drained land outside agricultural holdings.
Mexico	21 170	431 311	...	...	Total area drained by covered or open drains for holdings 5.1 ha and over in size
India	17 837 000	28 718 000	16 107 000	16 429 000	Area represents land with drainage facilities (open and/or covered drains)
United Arab Republic .	...	29 652	...	...	Area represents land drained by covered drains. Total area drained by all drainage facilities was 1 298 443 ha.

11. FERTILIZERS AND SOIL DRESSINGS

11.1 Introduction

Fertilizers and soil dressings are essential for maintaining and increasing food production. Estimates for the United States of America indicate that 35 to 40 percent of the increase in recent years in agricultural production in that country was the result of increased use of fertilizers. The use of lime and other soil dressings also affects agricultural production. Lime is likely to be needed in areas where rainfall totals 30 inches or more annually. The application of lime to acid soils is necessary for maintaining and improving crop yields since soil acidity limits yields of most crops and also limits the effectiveness of fertilizer nutrients, particularly phosphates.

The FAO programme recommended, as a minimum programme, the obtaining of information on the number of holdings applying inorganic fertilizers in the year preceding the census. This information appears for 26 countries in Table 11.3, and percent of holdings using them in Table 11.1. Percent of total cropland fertilized with inorganic fertilizers is shown for 21 countries in Table 11.2.

The FAO programme also suggested that information be secured regarding the number of holdings using farmyard and green manures. Data for 17 countries reporting farmyard manure and for 3 countries reporting the use of green manure are shown in Table 11.3. Data regarding the area on which organic and inorganic fertilizers and lime were applied were also requested by the FAO programme and appear in Table 11.3.

11.2 Holdings using fertilizers and soil dressings

The proportion of all agricultural holdings using inorganic fertilizers in the 26 countries varied from

1 percent in the Virgin Islands (U.K.) to 97 percent in Japan (Table 11.1). More than three fifths of all holdings in Spain, the United States of America, China (Taiwan) and Japan used inorganic fertilizers during the year preceding the census. The percentage of all holdings reporting the use of farmyard manure for the 17 countries for which data were available was as follows:

Percent of holdings using farmyard manure

Korea (Rep. of)	94
Yugoslavia	74
Indonesia	52
Turkey	46
China (Taiwan)	45
Peru	34
Viet-Nam (Rep. of)	32
Colombia	22
Surinam	20
Chile	18
Madagascar	15
Jamaica	12
Paraguay	12
Philippines	11
Thailand	5
Venezuela	3
Panama	1

The percentage of all holdings for which the use of green manure was reported was: China (Taiwan), 83 percent; Korea (Rep. of), 52 percent; and Viet-Nam (Rep. of), 4 percent. In the United States of America, the use of lime was reported by 12 percent of all holdings, and the corresponding percentage for the Republic of Korea was 2 percent.

11.3 Area treated with inorganic and organic fertilizers and lime

The area treated with inorganic fertilizers was available for 21 countries (Table 11.3). Table 11.2 shows percent of total cropland fertilized with inorganic fertilizers. To obtain this percentage the total fertilized area is divided by the total cropland. In New Zealand the first figure comprises relatively large areas of limed permanent meadows and pastures, resulting in a total of more than 100 percent. The area treated with inorganic fertilizers was equal to a third or more of the area of total cropland in 3

countries — Spain, the Federation of Malaya and South Africa.

The percentage of the area treated with farmyard manure in respect to the total cropland was 19 percent in Yugoslavia; 1 percent in Costa Rica; 7 percent in Chile; 23 percent in Brunei; 26 percent in Indonesia; 3 percent in Turkey; and 6 percent in Tunisia. The area treated with green manure was equivalent to 1 percent of the total cropland in Costa Rica, 11 percent in China (Taiwan) and 2 percent in South Africa. The area limed was equivalent to 3 percent of the total cropland in Norway, 2 percent in the United States, 4 percent in South Africa and, as mentioned, over 100 percent in New Zealand.

TABLE 11.1 - PERCENT OF HOLDINGS USING INORGANIC FERTILIZERS

	Percent		Percent
EUROPE		ASIA	
Spain	79	China (Taiwan)	83
Yugoslavia	34	Indonesia	33
		Japan	97
NORTH AND CENTRAL AMERICA		Lebanon	30
Antigua and Barbuda	27	Malaya, Federation of	26
Barbados	46	Pakistan	5
Jamaica	16	Philippines	14
Panama	2	Turkey	14
United States	64	Viet-Nam, Republic of	20
Virgin Islands (U.K.)	1		
SOUTH AMERICA		AFRICA	
Chile	22	Libya	11
Colombia	11	South Africa	53
Paraguay	3	South West Africa	5
Peru	23		
Surinam	8		
Venezuela	34		

TABLE 11.2 - PERCENT OF TOTAL CROPLAND FERTILIZED WITH INORGANIC FERTILIZERS

	Percent		Percent
EUROPE		ASIA	
Spain	47	Brunei	29
Yugoslavia	23	Indonesia	19
		Iran	10
NORTH AND CENTRAL AMERICA		Malaya, Federation of	33
Costa Rica	15	Pakistan	14
Dominican Republic	9	Turkey	5
Panama	7		
United States	30	AFRICA	
SOUTH AMERICA		Libya	2
Chile	23	South Africa	44
Uruguay	8	Southwest Africa	2
Venezuela	3	Tunisia	7
		OCEANIA	
		Australia	13
		New Zealand ¹	over 100

¹ Area fertilized included a relatively large area of permanent meadows and pastures.

TABLE 11.3 - NUMBER OF HOLDINGS REPORTING USE OF FERTILIZERS AND SOIL DRESSINGS, AND AREA TREATED

Year to which data relate	Total number of holdings	Number of holdings reporting use of:				Total cropland (ha)	Area treated with:				
		Farmyard manure	Green manure	Inorganic fertilizers	Lime		Farmyard manure	Green manure	Inorganic fertilizers	Lime	
EUROPE	6 026 639	...	...	...	...	26 355 468	1 229 349	...	10 564 672	...	25 404
Denmark	196 506	...	...	...	...	2 743 721	...	...	...	...	1 715
1959	198 315	...	...	...	...	828 539	...	...	...	...	23 689
Norway	3 007 626	...	...	...	...	19 441 630	...	...	19 058 331	...	...
1962	2 624 192	21 941 748	...	900 132	...	3 341 578	21 229 349	...	1 506 341	...	...
Yugoslavia											
NORTH AND CENTRAL AMERICA	4 511 119	...	...	...	...	184 560 219	3 476	5 686	54 157 703	...	4 127 395
Antigua and Barbuda	5 747	...	...	...	...	8 403	...	...	...	...	...
1960/61	27 912	...	...	1 558	...	26 801	...	...	...	...	...
1960/61	64 621	...	...	12 958	...	609 974	3 476	5 686	89 033	...	...
Costa Rica	447 098	...	...	...	...	1 807 359	...	...	1 101 349	...	...
1960	158 941	19 189	...	25 240	...	220 662	...	...	...	...	...
Dominican Republic	95 505	21 275	...	...	...	553 397	...	...	40 089	...	...
1960	3 710 503	...	...	1 926	454 223	181 331 985	...	...	53 927 232	...	4 127 395
1959	792	...	...	2 378 454	...	1 638	...	...	...	...	...
1960/61	2 922 312	...	...	11	...	...	...	...	...	...	...
SOUTH AMERICA	258 657	...	...	...	...	20 428 727	876 151	...	1 339 029	...	...
Chile	1 209 572	47 600	...	...	...	4 434 390	298 300	...	998 700	...	...
1964/65	160 772	263 823	...	56 203	...	5 047 088	...	...	...	...	...
Colombia	160 772	19 990	...	133 112	...	846 919	...	...	...	...	...
1961	869 945	296 423	...	5 414	...	2 396 321	357 851	...	...	...	...
Paraguay	16 239	3 267	...	20 262	...	37 887	...	...	...	...	...
Peru	86 928	8 310	...	1 298	...	2 251 709	...	...	1 190 952	...	...
1961	320 094	...	...	10 901	...	5 214 413	...	...	149 377	...	...
Uruguay	46 739 695	...	...	...	...	92 365 024	3 693 338	89 307	8 021 844	...	1 850
Venezuela	6 306	...	...	...	...	17 745	284	18	556	...	...
ASIA	808 267	366 213	140 969	668 755	1 160	791 531	...	83 453	2 255 219	...	1 850
Brunei	12 237 590	6 322 486	...	3 998 876	...	12 850 923	3 154 335	45 836	1 103 192	...	...
China (Taiwan)	1 877 299	...	...	...	...	11 320 436	...	...	...	...	...
1960	6 056 534	...	...	5 848 884	...	6 046 240	...	...	...	...	...
Indonesia	2 331 874	52 199 655	1 200 563	...	...	1 887 079	...	...	...	...	...
Iran	127 123	...	...	...	44 349	255 101	...	...	...	...	...
Japan	452 189	...	...	38 558	...	1 768 134	...	...	1 589 432	...	...
Korea, Rep. of	12 154 928	235 663	...	117 630	...	22 818 975	...	...	13 273 374	...	...
1961	2 166 216	...	...	576 348	...	6 696 178	...	...	...	...	...
Lebanon	3 214 405	6154 322	...	296 767	...	9 790 413	...	...	...	...	...
Malaya, Fed. of	3 409 846	71 578 566	...	420 701	...	15 701 436	538 719	...	800 071	...	...
1963	1 897 118	608 042	74 417	386 853	...	2 420 833	...	...	...	...	...
Pakistan	1 469 038	...	...	...	...	20 636 299	284 000	201 220	5 651 231	439 801	...
Philippines	145 518	...	...	...	...	2 509 431	...	...	48 281	...	...
Thailand	882 000	133 425	...	15 967	...	917 000	...	...	...	...	...
1963	110 362	...	...	58 623	...	12 058 176	...	199 560	5 268 144	439 346	...
Turkey	5 358	...	...	279	...	641 692	...	1 660	10 206	255	...
1960	325 800	...	...	...	...	4 510 000	2284 000	...	324 600	...	...
Viet-Nam, Rep. of	329 171	...	...	...	...	13 555 545	...	...	20 691 874	711 055	...
AFRICA	252 243	...	...	...	...	13 086 414	...	...	17 262 050	711 055	...
Libya	76 928	...	...	...	...	469 131	...	...	3 429 924	...	...
1960	61 997 974	...	...	...	...	357 901 282	6 086 314	296 213	100 426 353	5 305 505	...
Madagascar											
1961/62											
South Africa											
1960											
South West Africa											
1960											
Tunisia											
OCEANIA											
Australia											
1960											
New Zealand											
1960											
TOTAL											

¹ Including farmyard manure and other organic fertilizers. — ² Including other organic fertilizers. — ³ Includes inorganic fertilizers. — ⁴ Data are for estates only. — ⁵ Including compost. — ⁶ Data are for holdings with an area of 0.32 ha or more. — ⁷ Including green manure.

12. WOOD AND FISHERY PRODUCTS

Woods and forests cover nearly a third of the world's land area. The 83 countries included in the census had approximately 60 percent of the wood and forest area in the world. However, only a small part of the wood or forest lands is included in agricultural holdings. Wood or forest land comprised 33 percent of land in agricultural holdings. Very little census information is available for most countries on the production of woods and forest products. Most of the data on the production of forest products

from agricultural holdings relate to firewood and other products for consumption on the holding. Data are available for forest products for 9 countries and these appear in Table 12.1.

Data relating to fishery products are available for only the Federation of Malaya and Indonesia. Data on the quantity of fish caught were obtained for the Federation of Malaya and the area of fish ponds on agricultural holdings for Indonesia. No data relating to fishery products appear in this volume.

TABLE 12.1 - FOREST PRODUCTS

	Wood and forest land in agricultural holdings (1 000 ha)	Forest products produced				
		Firewood (cubic metres)	Fence posts (number)	Sawlogs and veneer logs (cubic metres)	Pulpwood sold (cubic metres)	Charcoal (metric tons)
NORTH AND CENTRAL AMERICA	117 112	31 367 064	41 137 137	4 781 145	11 570 424	39 797
Antigua and Barbuda	2	7 383	...	...	...	...
Barbados	...	652	...	...	...	...
Canada	6 980	6 239 585	9 012 941	687 536	3 058 236	...
Mexico	43 679	4 132 272	...	2 158 624	...	39 797
United States	66 450	20 941 670	32 124 196	1 934 985	8 512 188	...
Virgin Islands (U.K.)	1	45 502	...	...	...	...
SOUTH AMERICA	9 823	417 958	...	...	...	50 173
Paraguay	5 459	7 073	...	...	...	42 478
Venezuela	4 364	410 885	...	...	...	7 695
AFRICA	4	22 075	...	...	...	...
Seychelles	4	22 075	...	...	...	...
TOTAL	126 939	31 807 097	41 137 137	4 781 145	11 570 424	89 970

