



Food and Agriculture
Organization of the
United Nations

Climate-Smart Agriculture Sourcebook

Second edition

A living digital resource

Updated content

New modules



fao.org/climate-smart-agriculture-sourcebook

CSA Sourcebook Content

Section A **The concept of CSA**

Introducing Climate-Smart Agriculture (CSA)

New Climate change adaptation & mitigation

Managing landscapes for CSA systems

Section B **Climate-smart agricultural production & natural resources use**

Climate-smart crop production

Climate-smart livestock production

Climate-smart forestry

Climate-smart fisheries & aquaculture

New Integrated production systems

Water management

Sustainable soil & land management

Genetic resources for food & agriculture

Energy management

Developing sustainable food systems & value chains

Section C **Enabling environment for CSA**

Enhancing capacities for a country-owned transition towards CSA

New Supporting rural producers with knowledge

Enabling policy environment

Investing in CSA

Climate resilience: Synergies between disaster risk reduction & CSA

New The role of gender

Social protection & decent rural employment

Climate impact assessments & appraisals of options

Programme and project monitoring & evaluation

New A guide to evidence-based implementation of the CSA approach at the country level

Implementing *the* CSA approach

A 5-step process

3
Strengthening
national and local
institutions

4
Enhancing
financing
options

5
CSA on the ground
implementing practices at field level

2
Supporting
enabling policy
frameworks

Support / Inform

Inform / Expand (M&E)

Inform / Expand (M&E)

1
Expanding the evidence base



Section B

CSA helps to reduce and/or remove greenhouse gas emissions where possible



Climate-smart agricultural production & natural resources use

CSA aims to adapt and build resilience of people & food systems to climate change



Section A

The concept of CSA



CSA seeks to sustainably increase agricultural productivity & incomes

Enabling environment for CSA

Section C

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18045EN/1/10.17

CSA is an approach

It is not a new agricultural system
nor a set of practices
that can be
universally applied

CSA is an approach
for reorienting agricultural systems
to support sustainable
development and food
security under
climate change