



CABI

Making a difference
to sustainable development



THE GLOBAL GOALS
For Sustainable Development

www.cabi.org
KNOWLEDGE FOR LIFE

CABI is an international not-for-profit organization that improves people's lives by providing information and applying scientific expertise to solve problems in agriculture and the environment.

Through knowledge sharing and science, CABI helps address issues of global concern such as improving global food security and safeguarding the environment.

We do this by helping farmers **grow more and lose less** of what they produce, combating threats to agriculture and the environment from pests and diseases, protecting biodiversity from invasive species, encouraging better and safer commodity crops, and improving access to agricultural and environmental scientific knowledge.

CABI has more than **100 years experience** promoting best practice in agricultural development, and with **48 member countries** works in over 70 countries at any one time.

Major CABI led programmes such as **Plantwise** and the **African Soil Health Consortium** are already helping many farmers improve how they grow crops by providing information and developing capacity. And through its leading role in **GODAN** (Global Open Data in Agriculture and Nutrition) CABI is advocating open data as an important tool in making agricultural production more sustainable.

We understand that global problems are too complex and too interconnected to be addressed by any one organization. That is why **partnerships are at the heart of everything we do**. We believe answers will be found when organizations and individuals, countries and regions, work together to solve problems and build sustainable livelihoods.

We are committed to playing our part in helping the world reach Sustainable Development Goals. Here we outline areas of focus where we believe we can make significant contributions to improving lives across the globe.

1 NO POVERTY



END POVERTY IN ALL ITS FORMS EVERYWHERE

Many barriers prevent the world's 500 million smallholder farmers from selling more of their produce and trading with lucrative markets, which restricts their earning power, damages their livelihoods and keeps them in poverty.

These barriers include production and post-harvest losses, and disconnect between participants within local and global value chains, which need to be made more efficient. Barriers also include failing to comply with quality standards, and inefficient implementation of trade policy and food safety.

CABI helps introduce improved agricultural practices, providing information on the needs and expectations of markets. We build capacity so that knowledge can be translated into sustainable, practical action, through training and helping link farmers, processors, manufacturers and retailers. We help farmers grow better quality crops and receive a fairer share of the value they create.





2 ZERO HUNGER



END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

Nearly 1 billion people go hungry every day. At the same time, an estimated 30-40% of crop production is lost each year to pests and diseases. Reducing crop losses by just 1% could feed millions more people.

CABI helps smallholder farmers to improve their crop yields, tackle pests and diseases and find safer alternatives to pesticides. By promoting integrated solutions, we improve access to better seeds and planting materials, encourage efficient and effective use of inputs, and promote good agricultural practices.

CABI introduces new crop production technologies, provides training and builds local and national capacity to use these technologies effectively. We support the improvement of soil and seed health leading to healthy plants and good yields, helping to improve food and nutritional security, income and livelihoods.

4 QUALITY EDUCATION



ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

CABI works with universities and other institutions in developed and developing regions to strengthen tertiary education by providing information resources, databases, books and ebooks for the next generation of agricultural experts. In partnership with the University of Neuchâtel CABI jointly coordinates a Masters degree programme for students from developing countries to help address the need to improve global food security.

In addition, CABI shares agricultural knowledge with people who may not have these learning opportunities. We tailor information to people's needs, whether these are shaped by gender, culture, economics, education, skills or language. The innovative use of ICT's, mobile and traditional communication channels ensures key information and learning is made available to all.





12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



ENSURE SUSTAINABLE PRODUCTION AND CONSUMPTION PATTERNS

In order to feed an estimated global population of 9-10 billion people by 2050, farmers will need to not only produce more food from available agricultural land and water supplies, but also significantly reduce food loss and waste. We promote integrated crop management approaches that minimize the use of agro-chemicals and prevent pollution.

Rural communities, especially in the developing world, experience food losses in their fields and in storage due to pest and disease attacks. In addition, despite working in agriculture, they and their families often do not consume the right amounts of micro-nutrients, especially women and children.

CABI helps farmers tackle pre and post-harvest losses and adopt sustainable practices that incorporate scientific and cultural methods. We also work with partners to develop content for mobile devices aimed at increasing knowledge of nutrition and health.

13 CLIMATE ACTION



TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

Smallholder farmers are already experiencing climate disruptions in the form of substantial crop losses due to unpredictable or unusual weather patterns. As the climate changes there are also far reaching implications for the migration and spread of plant pests and diseases into new areas, and the degradation of soil.

CABI supports rural communities by helping to develop the adaptation options they need to make crop production systems more resilient to climate change. At the heart of some of CABI's key programmes are systems to monitor new threats to crops at the farmer level and to communicate these throughout the plant health system. Producing more with fewer inputs is also central to climate smart agriculture. CABI therefore promotes actions to optimise the use of fertilizers, biological controls and the safe use of pesticides.





PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

Millions of people living in rural communities around the world are facing problems with invasive non-native species – animals, diseases and insects – that are out of control and have resulted in damage costing more than an estimated US \$1.4 trillion globally.

These invasive species negatively affect rural livelihoods by degrading agricultural land, depleting water resources, and poisoning humans and animals. They have been identified as the second greatest threat to biodiversity after habitat loss.

CABI helps prevent, detect and mitigate the impact of invasive species by raising awareness of methods of arrival and spread, supporting early detection and eradication, and advising on sustainable control such as biocontrol and pest management.

17 PARTNERSHIPS
FOR THE GOALS



STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT

As communication and transport connect the world, regional issues can become global challenges, making it imperative that we share scientific innovation, technology and information, helping people to access open data across borders.

This is why building partnerships and sharing knowledge are at the heart of everything CABI does. Sharing knowledge helps people innovate and to adopt sustainable ways to address development issues.

With donors, partners, governments, civil society and private sector (small and large), CABI brings scientific information to target beneficiaries, building capacity to support agri-business. We promote knowledge and technology transfer between within and countries, strengthening partnership and information sharing with organizations.



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