

GAP for Soybean Production: A Package for Enhanced Yields across the Value Chain



Practical knowledge for profitable soybean farming!

This Good Agricultural Practices (GAPs) for soybean production aimed at improving smallholder productivity, resilience, and sustainability. It includes climate-smart practices such as soil fertility management, crop rotation, efficient resource use, and improved post-harvest handling.

This technology is **pre-validated**.

8·7



Scaling readiness: idea maturity 8/9; level of use 7/9

Project adoption **1**

Technology integrated in the ZEPF project.

Inclusion assessment

9

9

9

Climate impact

3

Problem

- **Limited farmer capacity to adopt climate-smart agricultural practices**, particularly in soybean production systems.
- **Low dissemination of research-based technologies** developed through research-for-development programs.
- **Declining soil fertility and unsustainable farming practices** in areas with intensive cereal cultivation.
- **Limited implementation of Good Agricultural Practices (GAPs)** that ensure food safety and environmentally sustainable production.

Solution

- **Build farmer capacity in climate-smart practices** through structured training on resilient soybean varieties, inoculants, and GAPs.
- **Facilitate adoption of research-based technologies** by providing hands-on demonstrations and practical modules.
- **Promote sustainable agriculture** via crop rotation, residue retention, and integration of legumes into cereal-based systems.

Key points to design your program

This training approach strengthens soybean farming systems while contributing to SDG 2 (food security), SDG 1 (income generation), and SDG 13 (sustainable agriculture) through improved practices and soil management.

To successfully integrate it into a program:

- Identify target groups and delivery partners
- Establish partnerships with research and implementing institutions
- Secure funding for training, inputs, and scaling
- Implement awareness and community engagement activities
- Facilitate access to inputs and advisory services
- Set up monitoring, learning, and scaling mechanisms



No formal IP rights



International Institute of Tropical Agriculture (IITA)

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Commodities

Soybean

Sustainable Development Goals



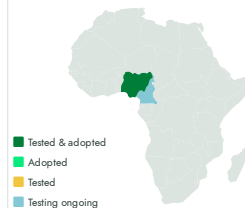
Categories

Production, Postharvest, Pre-production, Practices, Yield improvement, Production system

Best used with

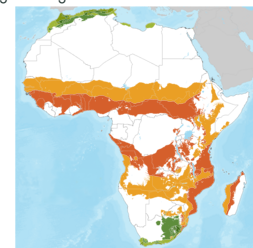
Hermetic Bags for Safe Storage of grain, Inoculant for Soybeans
See all 2 technologies online

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Development institutions, Farmers, Governments



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<https://taat.africa/hqz>

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