IPM: Fall Armyworm Integrated Pest Management

Prevent–Monitor–Act



The core strategy for effective Fall Armyworm (FAW) control is the "Prevent, Monitor, and Act" approach, which emphasizes **crop resilience** through quality seed, plant diversity (like Push-Pull), and conservation agriculture, while using frequent **monitoring** to enable prompt **action** via physical removal, applying biopesticides from recycled pathogens, and attracting natural predators, reserving limited and carefully applied chemical control only as a last resort.

CABI
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This technology is **not yet validated**.

7·5 Scaling readiness: idea maturity 7/9; level of use5/9

Inclusion assessment 13 7 14

Climate impact 7

Problem

- **Limited local capacity:** Communities may lack practical skills to identify Fall Armyworm early.
- **Delayed action:** Weak grassroots detection can allow infestations to develop before interventions are initiated.
- **Inefficient resource use:** Misdiagnosis can lead to inappropriate interventions and unnecessary expenditure.

Solution

- **Builds local capacity:** Practical identification tools enable communities to recognize Fall Armyworm independently.
- **Supports early action:** Local pest scouts can detect and report infestations before damage becomes severe.
- **Promotes inclusive surveillance:** Pictorial and accessible materials allow more farmers, including women and youth, to participate in pest monitoring.

Key points to design your program

- **Start with a Standard Toolkit**
  Use the FAW Field Handbook; adapt to local languages; focus on maize and good agronomy.
- **Apply Full IPM Practices**
  Train on scouting, intercropping, push-pull, residue removal, and low-cost biocontrols.
- **Use Chemicals Responsibly**
  Spray only when needed; promote safe, approved products and proper use.
- **Empower Local Leaders**
  Engage lead farmers, women, and youth; use field schools and demos for hands-on learning.
- **Plan for Scale and Sustainability**
  Work with national systems; set up reporting; scale via hubs, media, and M&E.

IP

Open source / open access

Technology from

ProPAS

Commodities

Maize

Sustainable Development Goals

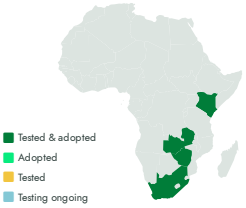


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Categories

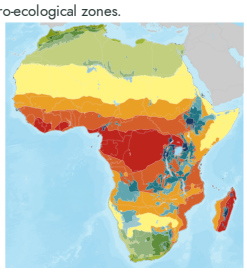
Production, Inputs, Pesticide

Tested/adopted in



Where it can be used

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



Target groups

Farmers