

# Multifunctional biopesticide: Ecoticide Agri

Ecoticide Agri, your 3-in-1 bio product against insect, fungi and nematode

Ecoticide Agri is a multi-functional solution acting as an insecticide, fungicide, nematocide, and bactericide, offering comprehensive protection against various pests and pathogens. Its formulation prevents resistance development among pests and reduces the risk of infestations when used preventively.



#### Commodities

Maize, Fruit, Cassava, Sweet Potato, Potato, Pepper, Okra, Tomato, Bananas & plantains  
+ 3 more

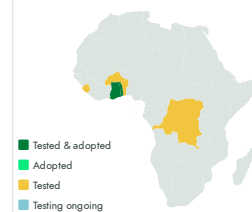
#### Sustainable Development Goals



#### Categories

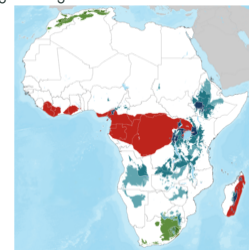
Production, Inputs, Pesticide

#### Tested/adopted in



#### Where it can be used

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



#### Target groups

Farmers

This technology is **validated**.
 
 Scaling readiness: idea maturity 9/9; level of use 9/9

Inclusion assessment

Climate impact

## Problem

- Traditional pest management products cause harvest losses, reducing agricultural productivity.
- Conventional pest control harms the environment, causing soil depletion, heightened drought vulnerability, and biodiversity loss.
- Pests develop resistance to existing products, posing ongoing challenges for farmers.
- Chemical pesticides have limited effectiveness against new pest species like the fall armyworm, leaving crops inadequately protected.

## Solution

- It acts as a pesticide, fungicide, and nematocide, addressing pest and disease challenges.
- It is fully biodegradable, reducing concerns about soil depletion and biodiversity loss.
- The concentrated formula boosts crop output by tackling low production yields associated with traditional pest management.
- It contains no harsh solvents, ensuring environmental safety and minimal ecosystem impact.

## Key points to design your program

Ecoticide Agri is a multifunctional biopesticide that combines insecticidal, fungicidal, and nematocidal activity in a single biodegradable solution. By reducing chemical residues, limiting pesticide resistance through its triple mode of action, and protecting biodiversity, the technology strengthens integrated pest management, food safety, sustainable intensification, and climate-smart agriculture programmes. It contributes to SDGs 2 (Zero Hunger), 3 (Good Health and Well-being), 6 (Clean Water and Sanitation), 12 (Responsible Consumption and Production), and 13 (Climate Action), while promoting safer and more sustainable crop protection for farming communities.

To successfully integrate this technology, consider the following key actions:

- Identify production systems where pest pressure and excessive pesticide use constrain productivity and food safety.
- Establish partnerships with regulatory authorities, research institutions, agrodealers, and extension services to support product deployment and safe use.
- Strengthen technical capacity on integrated pest management, biological crop protection, dosage calibration, and responsible application while strengthening decentralized distribution systems.
- Monitor reductions in pesticide use, pest damage, food safety, environmental health, technology adoption, and programme outcomes.

**300 000 USD**

Initial investment for manufacturer

**30 000 USD**

Operating Investment

