

Multifunctional biopesticide: Ecopticide Agri

Ecopticide 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.

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

Gender assessment **5** Climate impact **7**

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.

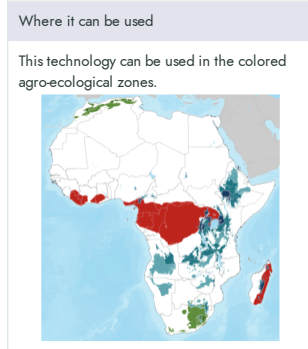
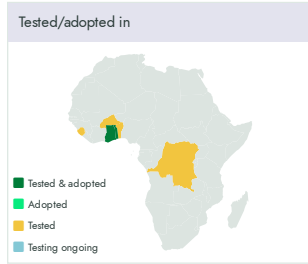
Key points to design your project

- Educate farmers on the benefits of Ecopticide in managing pests and diseases while improving crop yields and quality.
- Ensure fair access and financial support for local suppliers and smallholder farmers.
- Confirm compliance with national pesticide regulations and secure necessary authorizations.
- Estimate the required quantity and costs, including delivery and import fees.
- Include training and post-training support costs in the project budget.
- Develop communication materials to promote the technology.
- Collaborate with agricultural institutes, fertilizer suppliers, and service companies for implementation support.

Commodities
Maize, Fruits, Vegetable crop,
Other root/tuber

Sustainable Development Goals

Categories
Production, Inputs, Pesticide



Cost: 20 USD Cost of 1L of the product	ROI: 200 % Benefit
300 000 USD Initial investment for manufacturer	30 000 USD Operating Investment

Target groups
Farmers

