

Specialty Fertilizer Blends for Common Bean

Boost your Bean Production Yield

Specialty Fertilizer Blends for Common Bean are custom fertilizers with essential nutrients like nitrogen, phosphorus, potassium, and sulfur. They address soil deficiencies in Sub-Saharan Africa and cater to the needs of common bean farming. This promotes efficient nutrient use, enhancing growth and overall crop health



Example of a fertilizer blend

Alliance



The Alliance of Bioversity International and the International Center for Tropical Agriculture (CIAT)
Boaz Waswa

This technology is **TAAT1 validated**.

Scaling readiness: idea maturity unknown; level of use unknown

Gender assessment 4

Climate impact 7

Problem

- **Soil Issues:** Many soils in Sub-Saharan Africa lack essential nutrients and suffer from low fertility, limiting the production of crops like common beans.
- **Insufficient Crop Resilience:** Crops like common beans are vulnerable to drought, pests, diseases, and stress, impacting their quality and yield. Specialty Fertilizer Blends for Common Bean are designed to address these issues.

Solution

- **Balanced Nutrient Provision:** Specialty fertilizers offer essential nutrients like nitrogen, phosphorus, potassium, and sulfur, addressing soil deficiencies in Sub-Saharan Africa.
- **Crop Health and Yield Enhancement:** The right nutrient mix boosts common bean productivity and resilience, helping them resist drought, pests, diseases, and stress.
- **Specific Crop Needs and Nutritional Value:** By blending various fertilizers, specific formulas for common beans are created, enhancing yield and nutritional value.

Key points to design your project

The “Specialty Fertilizer Blends for Common Bean” technology contributes to Sustainable Development Goals (SDGs) by improving bean yields and income, potentially empowering women in farming (SDG 5), positively impacting the climate (SDG 13), and enhancing productivity and resilience of common beans (SDGs 2 and 8).

To implement this technology:

- **Partnerships:** Identify fertilizer manufacturers interested in sustainable agriculture and improving bean yields.
- **Awareness:** Launch a campaign about the technology’s benefits on bean yield and soil health.
- **Training:** Collaborate with the manufacturer to train farmers on using the technology effectively.
- **Product Development:** Develop the right fertilizer blends with the manufacturer based on local needs.
- **Distribution:** Utilize the manufacturer’s network to make fertilizers accessible to farmers.
- **Demonstration Plots:** Showcase the technology’s effectiveness.
- **Feedback:** Establish a mechanism to learn from farmers’ experiences and improve the product.
- **Monitoring:** Regularly evaluate the technology’s impact on bean yield and soil health.

Technology originally documented by

ProPAS

Commodities

Common bean

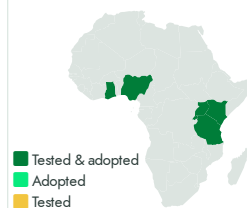
Sustainable Development Goals



Categories

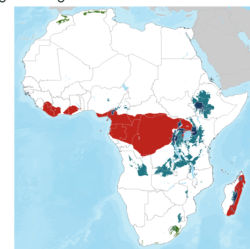
Production, Inputs, Fertilizer

Tested/adopted in



Where it can be used

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



Target groups

Farmers



Unknown

