

# 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

Inclusion 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 program

Specialty Fertilizer Blends for Common Bean can be integrated into food security, soil fertility management, nutrition, climate resilience, and bean value chain development programs to improve soil health, increase productivity, and strengthen resilient farming systems. Its adoption contributes to **SDGs 1, 2, 3, and 13**.

To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- Facilitate access to specialty fertilizer blends adapted to common bean production.
- Build partnerships with Bioversity International, CIAT, fertilizer companies, research institutes, extension services, and cooperatives.
- Train farmers on fertilizer application, soil fertility management, and climate-smart practices.
- Promote women's and youth participation and support demonstration and advisory services.
- Monitor fertilizer adoption, bean productivity, soil health, and farmer outreach.

Technology from

**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

IP  
Unknown

