

BM START: Organic Biostimulant for flowering and fruit setting

Improve your performance, Increase your Income

BM START® is a liquid biostimulant made from GoActiv®, a seaweed extract derived from *Ascophyllum nodosum*. It enhances plant growth by promoting chlorophyll synthesis, root development, and enzyme production, leading to improved nutrition and vegetative growth. The technology also stimulates flowering hormones, increasing flower-to-fruit conversion and fruit coloration. B...



NPP Natural Plant Protection by UPL

NPP by UPL
André Monteiro

Commodities

Vegetable crop, Fruits, Other root/tuber, Soybean, nuts

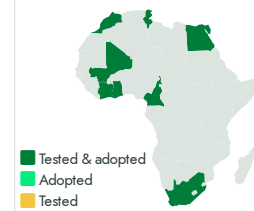
Sustainable Development Goals



Categories

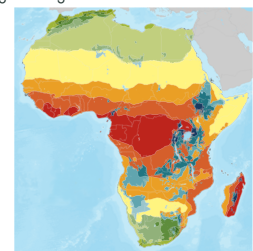
Production, Inputs, Biostimulant

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Sellers

This technology is **pre-validated**.

9-9



Scaling readiness: idea maturity 9/9; level of use 9/9

Gender assessment **4**

Climate impact **2** **2**

Problem

- Nutrient inefficiency limits plant growth and yield.
- Poor flowering and low fruit set reduce yield potential.
- Abiotic stresses (e.g., temperature fluctuations, water scarcity) impact plant growth and productivity.

Solution

- Enhanced Nutrient Absorption: BM START® boosts chlorophyll synthesis, root development, and enzyme production, promoting faster growth and healthier plants.
- Improved Flowering & Fruit Setting: Stimulates flowering hormones and enhances flower-to-fruit conversion, leading to higher quality and larger harvests.
- Resilience to Abiotic Stress: Strengthens plants' resistance to environmental stress, maintaining yield under challenging conditions.

Key points to design your project

BM START® is a biostimulant that improves plant nutrition, flowering, and resilience to abiotic stress, boosting crop productivity and food security while reducing agriculture's carbon footprint.

To integrate BM START® into your project:

- **Estimate Product Needs:** Use 2 liters per hectare for each of three applications per crop cycle.
- **Consider Availability:** Assess local market availability and delivery costs.
- **Organize Farmer Training:** Provide training and post-training support to maximize effectiveness.
- **Develop Communication Materials:** Create outreach materials to inform farmers about BM START®.
- **Promote Supplementary Fertilization:** Combine with base fertilization for optimal yield.
- **Collaborate with Institutions:** Partner with agricultural institutes and agro-dealers for implementation.

These steps will enhance productivity and support sustainable, climate-resilient farming practices.

Cost: \$\$\$ **12.33 USD**

Initial cost for 1L

ROI: \$\$\$ **231 %**

Yield increase on mango

3,102.40 USD

Additional revenue per hectare



Patent granted, Copyright



BM START

<https://e-catalogs.taatafrica.org/gov/technologies/bm-start-organic-biostimulant-for-flowering-and-fruit-setting>

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