

UPL OpenAg<sup>\*</sup>

# Turbocrop: Field crop plant establishment biostimulant

Specialized biostimulant for root development and vegetative growth on field crops

Turbocrop is a specialized biostimulant product designed to enhance the development of roots and promote vegetative growth in crops. It is specifically formulated to improve plants' ability to withstand and cope with abiotic stress factors, such as extreme temperatures, drought, or nutrient deficiencies.

This technology is **<u>validated</u>**.



TURBOCROF

Inclusion assessment

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Problem

• Imbalances in soil nutrients hinder optimal plant growth and productivity.

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- Factors constrain the potential size and structure of plants, impacting overall yield.
- Restrictions in root development impede nutrient uptake, affecting plant health and productivity.
- Inefficiencies in nutrient absorption and utilization by plants result in suboptimal growth.
- Various factors contribute to limitations in crop yields, affecting agricultural productivity and food security.

### Solution

Climate impact

• Stimulates root hair formation for enhanced nutrient absorption.

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- Promotes stem elongation and leaf growth, particularly during tillering.
- · Provides a balanced blend of essential nutrients for optimal crop growth.
- Improves nutrient utilization efficiency for better plant performance.
- Offers a holistic approach to plant growth, addressing root development, stem elongation, leaf formation, and nutrient optimization.

## Key points to design your project

Turbocrop technology improves food security, nutrition, and climate resilience by boosting yields, enhancing nutrient absorption, and supporting sustainable, biodiverse farming.

### Integration steps:

- Align with project needs
- Estimate required quantity and costs (including training/support)
- Select reliable suppliers
- Plan for integration, staff training, and performance monitoring
- · Promote the technology through communication efforts
- Collaborate with development institutes and agri-service partners for success







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Florent Clair

Commodities

Tested/adopted in Tested & adopte Ad opted Tested

Production, Inputs, Fertilizer

#### Where it can be used

Testing ongoin



Target groups



Enquiries e-catalogs@taat.africa