



BETTAGROW PLUS

Technical Data Sheet

BETTAGROW Plus

BETTAGROW Plus is a water-soluble plant hydrolysate formulated to enhance soil fertility and plant performance.

BETTAGROW Plus – Act 36 Group 3 – Pending Registration

1 Registration Holder, Supplier & Manufacturer

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2 Product Description

Bettagrow Plus is a water-soluble plant hydrolysate formulated to enhance soil fertility and plant performance. The product contains a high concentration of organic carbon compounds, contributing to increased cation exchange capacity (CEC) and improved nutrient availability.

It supports soil biological activity, root development, and plant resilience under environmental and nutritional stress conditions.

3 Intended Use

Bettagrow Plus is designed for agricultural use as a soil and plant conditioner to:

- Improve nutrient uptake efficiency
- Enhance soil microbial activity
- Support plant growth and development



BETTAGROW PLUS

4 Benefits and Functional Characteristics

- Improves soil structure and aggregation
- Enhances microbial activity and biological fertility
- Promotes root development and lateral root formation
- Supports plant tolerance to abiotic stress (e.g. drought, nutrient imbalance)
- Contributes to increased vegetative growth and biomass production
- Acts as a natural complexing agent for macro- and micronutrients
- Provides a slow-release carbon source for soil microorganisms
- Enhances nutrient absorption efficiency

Note: Claims are based on typical product performance under normal agricultural conditions.

5 Typical Chemical Analysis (Guide values – not specification limits)

Parameter	Value
Fulvic Acid (ISO 19822)	13.0% (m/m)
Specific Gravity @ 20°C	1.11 g/cm ³
pH @ 20°C	5.0 – 5.5
Organic Carbon	578 – 635.9 g/L



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Parameter	Value
Macro Elements	N 24.7 g/kg, K 27.4 g/L
Micro Elements	Cu 57.8 mg/kg, Zn 40.3 mg/kg
Appearance: Dark brown liquid Solubility: Fully water-soluble	

AVAILABILITY: Packed in 20 Litres and 1000 Litres

6 Application Guidelines

General Dosage

- Apply at approximately 10% of the nutritional value of the total fertilizer program

Crop-Specific Recommendations

- **Fruit Trees:**
20 L/ha (soil application during active root growth)
- **Grain Crops:**
20 – 30 L/ha (from emergence to flag leaf stage)
Under overhead irrigation: apply at 6.5% of total nutritional program
- **Stress Conditions (Foliar):**
5 L/ha
Repeat 2–3 applications at 7–10 day intervals



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7 Compatibility

- Compatible with most liquid and water-soluble fertilizers
- Suitable for application via irrigation systems (fertigation)
- When tank-mixing with pesticides, conduct a compatibility test prior to use
- Use buffering agents if required

8 Handling Storage

- Store in a cool, dry, well-ventilated area
- Keep containers tightly closed
- Protect from direct sunlight and extreme temperatures

9 Safety Information

Hazard Statement

- May cause skin and eye irritation
- Ingestion may result in gastrointestinal discomfort

Precautionary Measures

- Avoid contact with eyes and skin
- Wear suitable protective clothing, gloves, and eye protection
- Do not ingest
- Wash hands thoroughly after handling

First Aid Measures

- **Eyes:** Rinse immediately with clean water for several minutes
- **Skin:** Wash with soap and water
- **Ingestion:** Seek medical advice if symptoms occur

10 Disclaimer

The information provided is based on current knowledge and experience. It is the user's responsibility to ensure suitability for the intended application under specific conditions.