

AVANTGARDE

A bio active root stimulant that increases soil-root nutrient absorption. Derived from plant extracts that accelerate the movement of nutrients in the rhizosphere of field and vegetable crops, by improving the plants ability to absorb and assimilate nutrient Avantgarde increases productivity of quality and yield, reduces losses due to leaching and increases the plants' capacity to overcome environment stresses.

BIOLOGICALLY ACTIVE INGREDIENTS:

The active ingredients, a photosynthetic electron carrier that occurs widely in green plants interacts with the root system to stimulate the activity of the proton gates in root cells. The Caidrine carrier derived from photosynthetic bacteria has the particular chemical capacity to multiply the movement of exchange between the positive and negative cations and anions in the rhizosphere and root cell membrane.

Other actives namely betaines monomers and oligomers of alginic acid found in marine alga boost nutrient up take by helping to reduce loss from the leaching of nutrients.

Plant derived proteins (amino acids) and betaines help optimize water absorption and also exert a powerful environmental stress recovery function.

WHY USE AVANTGARDE

- Enhances absorption of available soil nutrients
- Provides a powerful stress recovery function
- Stimulates an increase in yields and solids content
- Helps boost the synthesis of absorbed nutrients
- Organic Synergist

WHICH BIO METABOLIC FUNCTIONS ARE ACTIVATED

Absorption increase over untreated crop

• Metal ion transporter	2X
• Carbon transporter	4X
• Potassium ion transporter	3X
• K ⁺ -H ⁺ exchange	3X
• Response to sulfate starvation	3X
• Stress recovery	2X

ANALYSIS

Nitrogen (N)	2.00%
2% Soluble Organic Nitrogen	
Soluble Potash (K ₂ O)	6.00%
Iron (Fe) EDDHA Iron	0.17%
Zinc (Zn) EDTA ZINC.....	0.08%
Organic Substances	30.70%
Organic Carbon	12.30%



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DIRECTIONS:

The product is designed for use when in contact with root system, for best results apply by fertigation system. Apply every 10 to 15 days as needed.

Fruit, Nut and Vine Crops:

Apply 20 to 25 liters / HA (2 1/4 to 3 gallons / acre).

Field and Vegetable Crops:

Apply 15 to 20 liters / HA (1 1/2 gallons to 2 1/4 gallons per acre).

Small Area Vegetable or Ornamentals Crops:

Apply 1.5 to 2 liters per 1,000 sq. m (1 1/2 quarts to 2 qtrs. per 10,000 sq. ft.)

For localized spot treatment use 300 to 500 mL per 100 liters of water (10 to 16 fl oz. per 25 gallons of water).

CAUTION: Prior to performing untried tank mix combination a jar compatibility mixing test is recommended.

