

GROW ROOTS

Root Growth Promoter

In field grown plants typical rooting density gradients occur between the top soil and the sub soil. High root density and long root hairs are essential for vigorous young plant growth and are the key to stimulating early and prolonged growth.

Designed with a proprietary mix of soluble bio available phosphate, growth stimulants, amino acids, humic and fulvic acids and exclusive high molecular weight monomers and oligomers of plant extract derived from seaweed to stimulate and promote root growth and development in the rhizosphere.

Grow Roots has an advantageous effect on the rhizosphere by increasing nutrient absorption and uptake by roots and assists the rhizosphere microbial community in the formation of complex organic molecules, which are the basis of growth development and beneficial soil structure.

ANALYSIS

Nitrogen (N)	11.00%
Available Phosphate (P ₂ O ₅)	55.00%
NAA	2800 ppm
IBA	200 ppm
Humic Acid.....	1.70%
Fulvic Acid	0.51%
Organic Carbon.....	2.20%
Amino Acid	1.20%

Sulfur (S).....	2,000 ppm
Calcium (Ca).....	500 ppm
Iron (Fe)	120 ppm
Zinc (Zn)	100ppm

RECOMMENDATION

Cultivation of agricultural field, vegetable, tree vine crops and greenhouse plants. For production greenhouse vegetables for transplant in the field, growers can expect field plants with more developed root system, with higher transplant survival rates, followed by more vigorous growth and subsequent earlier harvest.

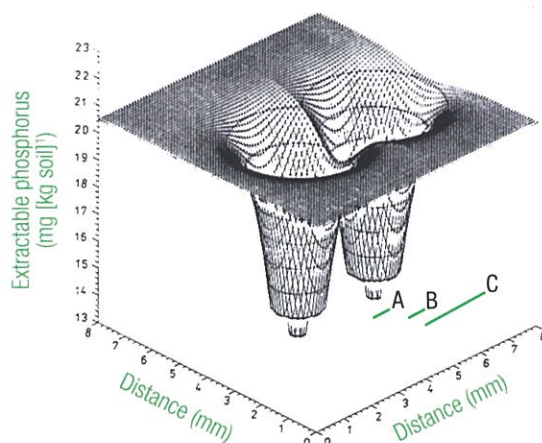
For use on a wide variety of crops such as: tomato, chili pepper, lettuce, cole crops, cucurbits, crucifer, broccoli, tobacco, strawberries, non-bearing fruit and nut trees, vines and many ornamental crops.

DOSAGE AND TIMING

PRODUCTION PLANTS IN GREENHOUSE: Foliar apply 100 grams Grow Roots per 200 liters of water once per week. Begin 2nd week of plant's growth.

FIELD APPLICATION: As transplant solution, apply 100 grams Grow Roots per 200 liters of water at time of planting; about 7 days later apply 400 grams of Grow Roots per 100 liters of water to the base of the plant.

Foliar spray, apply 0.50 to 1-Kg Grow Roots per hectare in enough water for full coverage spray, apply on the 2nd or 3rd week after transplanting.



Profile of extractable phosphorus around two individual root systems with overlapping depletion zones. (Fusseder and Kraus, 1986). A = root cylinder; B = root hair cylinder; C= maximal depletion zone.

DRIP IRRIGATION: Apply 2 kg Growth Roots per HA, on the 3rd or 4th week after transplanting.

SPECIAL FEATURES

- Stimulates and promotes root growth increases.
- Increases nutrient use of available soil nutrients.
- Improves plant recovery after stress.
- Increases crop production.