

ESSENTIAL[®] Plus 1-0-1

100% NATURAL ROOT PROMOTER & SOIL AMENDMENT

- 60:1 Kelp to Humic Acid Ratio
- Adds Organic Matter
- Contains 21 L-Amino Acids
- Promotes Vigorous Root Growth
- For Seeding & Overseeding



GUARANTEED ANALYSIS:

Total Nitrogen (N)1%
 1% Other Water Soluble Organic Nitrogen
 Soluble Potash (K)1%
 Iron (Fe)0.29%
 Derived From: Kelp (*Ascophyllum nodosum*), Potassium Humate, Gibberellic Acid, Fish Hydrolysate, Plant Extracts, Simple and Complex Sugars and Iron Glucoheptonate.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

7%Humic Acid (derived from Leonardite)
 10%Cellulose Fiber
 0.1%Kelp Extract
 2%Carbohydrates
 0.0025%Natural Wetting Agent
 1.2%Lignin
 3%Mono / Disaccharide
 2%Ash Content
 13.17 mg/ lb.Riboflavin (B2)
 0.314%Vitamin (B6)
 0.001%Gibberellic Acid
 0.01%Natural Rooting Substance
 4.45%Total L-Amino Acid

Manufactured For:

Fernland Agencies

HORTICULTURAL and NURSERY SUPPLIES

A Growing Advantage

Fernland Agencies Pty Ltd

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Net Contents: 10 Liter (11.9 Kg) 110 Liter (130 Kg) 200 Liter (238 Kg) 1000 Liter (1.19 MT)

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Horticultural and Agricultural Applications		
Application	Rate	Frequency/ Notes
Seeding	Drench: 16 ml per liter water	Drench seed trays or plug trays until thoroughly soaked at time of seeding
	Seed Soak: 360 ml per 50 kg of seeds	Spray directly on seed prior to sowing
Sizing-Up & Transplanting	15-30 ml per liter water	Drench plant trays, liners or pots before or after planting
Field Transplants of Plugs	Mix 250 ml per 100 liters water	Apply at time of transplant by soaking before planting or drenching root ball after planting.
Bare Root or Containerized Trees, Woody Vines, & Berries	Mix 250-500 ml per 100 liters water	Apply at time of transplant by soaking before planting or drenching root ball after planting.
Vegetables and Freshly Grown Herbs	Mix 16-30 ml per liter water	Apply at time of transplant. Re-apply every 14-28 days
Tissue Culture	50 ml per 40 L water	Drench plug trays until thoroughly soaked

Plant Care & Propagation For All Types of Greenhouse & Nursery Crops		
Application:	Rate	Frequency / Notes
Plant Maintenance:	250 ml per 100 L water	Drench monthly
Stress Recovery	16 ml per liter water	Apply every 2 weeks until visible response
Neutralize Salts, Repair Phytotoxicity Damage	500 ml per 100 L water, or 60 ml per 100 m ²	Apply every two weeks for 2 applications

Cuttings - For All Types of Herbaceous, Softwood, Semi-Hardwood, & Hardwood Cuttings		
Application Method:	Rate	Frequency / Notes
Drench Rate:	Mix 16-32 ml per liter water	Drench trays after sticking. Repeat in 5-7 days for two applications.
Dip Rate:	For a 1:30 ratio, mix 16 ml per L water	Dip basal end of cuttings, individually or in bunches, for 5-10 seconds

Another quality product from:
Growth Products, Ltd.

80 Lafayette Ave., White Plains, NY 10603 USA 

Questions? Call (800) 648-7626

www.growthproducts.com • questions@growthproducts.com

Turf Applications		
Application	Rate Per 100 Sq Meters	Frequency/ Notes
Greens & Tees	88 milliliters	Apply every 14 days throughout growing season
Fairways	118 milliliters	Apply monthly throughout growing season
Sports Turf	118 milliliters	Apply monthly throughout growing season
New Seeding & Overseeding	88 milliliters	Apply at time of seeding and then every 14 days for 4 applications
Sod Installation	118 milliliters	Apply at time of sod installation and then every 6-weeks throughout growing season
Lawn Care	118 milliliters	Apply monthly throughout growing season

Turf Applications Per 100 Sq. Meters				
Variety	Normal Maintenance	Sandy Soils	Clay Soils	Newly Seeded
Cool Season	89 milliliters	148 ml	148 ml	118 ml
Warm Season & Transitional	118 milliliters	177 ml	177 ml	148 ml

Trees, Shrubs & Ornamentals:	
Foliar Spray:	709 milliliters in 400 liters water of water. Thoroughly spray to point of run-off.
Root Injection:	Maintenance: 1 liter of Essential per 400 liters of water. Inject over 300 sm ² area.
	Corrective: 2 liters of Essential per 400 liters of water. Inject over 300 sm ² area.
Soil Drench:	88 - 147 milliliters per 4 liters of water. Thoroughly drench soil around area.

Hydroponics Applications		
Application	Rate	Frequency/ Notes
Hydroponics, Constant Feed, Ebb and Flood	Charging: 240 ml per 550 L water	Run through system
	Recharging Rate: 85 ml per 550 L water	Replenish every time water is added

CAUTION: Keep out of reach of children. In case of contact with eyes, flush with copious amounts of water. Contact a physician. Do not take internally.

Condition of Sale and Warranty: Growth Products, Ltd warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT