



Guaranteed Analysis	
Total Nitrogen (N)	1%
1% Ammoniacal Nitrogen	
Soluble Potash (K ₂ O)	1%
Calcium (Ca)	1.0%
Magnesium (Mg)	0.50%
Sulfur (S) Combined	1.0%
Iron (Fe)	0.29%
Derived From: Kelp (<i>Ascophyllum nodosum</i>), Fish Hydrolysate, Ferric sulfate, Magnesium sulfate, Copper sulfate	
	F106
ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:	
7% Humic Acid (derived from Leonardite)	
0.0025% Wetting Agent (Yucca)	

Essential is a powerful all natural organic soil conditioner and plant food. It stimulates vigorous root growth, especially when plants are under stress. Essential improves poor soil conditions, adds organic matter, and promotes better nutrient uptake.

How to Apply Essential:

Mix solution of Essential and water according to the directions below. For outdoor use, apply using a watering can, hose end sprayer, backpack sprayer, or tank mixed for boom and reel sprayers. For greenhouse use inject through drip or spray irrigation system or use Hozon or hand wand.

Annuals, Perennials, Herbs & Vegetables:

Plant Care and Maintenance:

- Mix 4 tablespoons (2 fl. ounces) of Essential per gallon of water.
- 1 gallon will treat 10 square feet.
- 1 quart of Essential makes 16 gal. of solution and will cover 160 square feet of planted area.
- Drench soil around plant until saturated.
- Repeat every 28 days.

At Time of Planting: Once plant has been placed in soil or soilless mix, saturate with solution of 4 tablespoons (2 fl. ounces) of Essential per gallon.

For Proportioners:

- Mix 1 quart of Essential per gallon of water.
- Set injector to 1:100.

Seeding: After seeds are sown, saturate soil with solution of 4 tablespoons (2 fl. ounces) Essential per gal. of water. Repeat in 14 days.

Cuttings Dip & Drench: Mix 8 tablespoons (4 fl. ounces) in 1 gallon of water.

Hydroponics:

For leafy vegetables, vegetables and herbs.

- 1 fl. ounce in 5 gallons for starter plants.
- For continued feed mix 1/2 oz per gal. of water.

Trees, Shrubs & Woody Ornamentals:

Drench Application:

- Use 1 tablespoon (1/2 fl. oz.) per gal. of water.
- 1 gallon will treat 10 square feet.
- 1 quart of Essential makes 64 gallon of solution and will treat 640 square feet
- Drench soil with solution below drip line.
- Apply monthly during growing season.

DBH (Diameter at Breast Height) Method:

- Plant Maintenance: Mix 4 tablespoons (2 fl. ounces) Essential with 1 gallon of water per inch of trunk DBH.
- Corrective: Mix 8 tablespoons (4 fl. oz.) Essential with 1 gallon of water per inch of trunk DBH.
- Always measure DBH at 4-1/2 ft. from ground.

Transplants:

- Mix 10 fl. ounces per 5 gallon of water.
- 1 gal. of solution will treat one 5-gallon root ball.
- 1 quart will make 16 gallons of solution and will treat four 5-gallon root balls.
- Pour solution around transplant until saturated.
- Repeat every 14 days.

Turf Grass:

Use on all types of turfgrasses.

- 6 tablespoons (3 fl. ounces) of Essential covers 1,000 square feet.
- 1 quart Essential covers 10,666 sq. ft. turf grass.
- Apply every 28 days during growing season.

Seeding New Lawns: Apply seed as directed by seed company label. Follow directions above. Apply Essential as soon as seeds are sown.



*Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.wa.gov/agr/>.

Net Wt. 2.25 lbs. (1.02 kg)

1 Quart (946 mL)