



Professional Water Soluble Fertilizer

12-48-8 Starter Plus

PRODUCT DESCRIPTION:

Ideal for transplanting young seedlings, newly-set cuttings, and turf sod. Provides extra water soluble phosphorous to help stimulate root development. Excellent whenever tissue tests indicate the need for extra phosphate.

GUARANTEED ANALYSIS:

Total Nitrogen (N)	12%
9.5% Ammoniacal Nitrogen	
2.5% Nitrate Nitrogen	
Available Phosphate (P ₂ O ₅)	48%
Soluble Potash (K ₂ O)	8%
Boron (B)	0.017%
Copper (Cu).....	0.05%
0.05% Chelated Copper	
Iron (Fe)	0.10%
0.10% Chelated Iron	
Manganese (Mn)	0.05%
0.05% Chelated Manganese	
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%
0.05% Chelated Zinc	

DERIVED FROM:

Potassium Nitrate, Ammonium Phosphate, Iron EDTA, Manganese EDTA, Copper EDTA, Zinc EDTA, Boric Acid, Sodium Molybdate.

POTENTIAL ACIDITY: 950 lbs calcium carbonate equivalent per ton.

Fertilizer required per volume of concentrate, 12-48-8 (for continuous liquid feed programs):

ppm N	50	75	100	200
E.C. (mS/cm)	0.60	0.90	1.20	2.41
injector ratio	ounces/gal			
15	0.8	1.2	1.7	3.3
50	2.8	4.2	5.6	11.1
100	5.6	8.3	11.1	22.2
128	7.1	10.7	14.2	28.4
200	11.1	16.7	22.2	44.4

E.C. values are approximate. Use E.C. levels to verify appropriate feeding level from the injector. Adjust for the E.C. of the irrigation water. For concentrations greater than 200 ppm, simply add amounts shown for total.

USE SUGGESTIONS:

Transplant production:

- Use 4 to 5 lbs per 100 gallons of water. Use 200 gallons per acre. For smaller quantities, use 2½ tablespoons per gallon. Feed ½ pint per plant.
- For transplanting tender seedlings in the greenhouse, use 1 tablespoon per gallon.

Greenhouse Flowers and Bedding Plants:

- For most bedding plants plugs, and cut flowers, feed at 100 to 200 ppm N with constant liquid feeding. Use 200 to 400 ppm N for pulse feeding.
- Mums, Lilies, Geraniums, Poinsettia: feed at 200 to 300 ppm N with constant liquid feeding. Normal watering is 1 quart per sq. ft.

Landscape and Turf Use:

- Use at the rate of 3 to 5 lbs per 100 gallons of water and apply to 1000 sq. ft. Use every 3 to 4 weeks.

Foliar Application:

- Use at the rate of 3 to 5 lbs per 100 gallons. For best results, repeat every 2 weeks, taking soil and weather conditions into consideration. Concentrate solutions should not exceed 10 lbs in 10 gallons of water.
- Field application: 5 to 10 lbs per acre.

Warranty: Warranty of this product implied, is limited to the guaranteed analysis on this label, in as much as misuse is beyond sellers control. Likewise, seller is not liable for any injury to living things, crops, soils, or materials which may result from the use of this product.

**FOR PROFESSIONAL USE ONLY.
KEEP OUT OF REACH OF CHILDREN.**

SAFETY INSTRUCTIONS:

For additional information, see Safety Data Sheet (SDS) for this product

MANUFACTURED For:

Diamond R Fertilizer, Inc.
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F1573

NET WEIGHT 25 LBS (11.35 kg)