



Professional Water Soluble Fertilizer

18-3-13

PRODUCT DESCRIPTION:

Premium-grade, high nitrate-nitrogen formula with potassium and magnesium for improved plant quality and color. Ideal for soil-less growing. Fortified with essential micronutrients to ensure healthy crops and increased yields.

GUARANTEED ANALYSIS:

Total Nitrogen (N)	18%
5.6% Ammoniacal Nitrogen	
12.4% Nitrate Nitrogen	
Available Phosphate (P ₂ O ₅)	3%
Soluble Potash (K ₂ O)	13%
Magnesium (Mg)	3.0%
3.0% Water Soluble Magnesium (Mg)	
Boron (B)	0.02%
Copper (Cu).....	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe)	0.20%
0.20% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo)	0.001%
Zinc (Zn)	0.05%
0.05% Chelated Zinc (Zn)	

DERIVED FROM:

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

POTENTIAL ACIDITY: 141 lbs calcium carbonate equivalent per ton.

SOLUBILITY (max.): 3 lbs per gallon.

Fertilizer required per volume of concentrate, 18-3-13 (for continuous liquid feed programs):

ppm N	50	75	100	150	200
EC (mS/cm)	0.31	0.47	0.63	0.94	1.26
Injector ratio	ounces per gallon				
1:15	0.55	0.83	1.11	1.66	2.22
1:50	1.85	2.78	3.71	5.57	7.42
1:100	3.71	5.56	7.42	11.13	14.84
1:128	4.74	7.12	9.49	14.23	18.98
1:200	7.41	11.12	14.83	22.24	29.66
1:300	11.12	16.69	22.25	33.37	44.50

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.

USE SUGGESTIONS:

Plugs, Transplants and Seedlings:

- For plugs feed at 50 to 150 ppm once per week depending on growth stage.
- For tomatoes, peppers, and most flowering bedding plants, feed at 100 to 200 ppm N with constant liquid feeding. Use 200 to 400 ppm N for pulse feeding every 7-10 days.

Turf/Landscape:

Dissolve 5 lbs per 100 gal of water, and cover 1000 sq. ft. For best results, repeat every 10-14 days.

Greenhouse/Nursery:

5-10 lbs per 100 gal of water per acre on plants, trees, ALL Palm varieties, shrubs, and flowering vines.

Row Crops

Use 5-10 lbs per 100 gal per acre. 1-5 applications may be necessary depending on crop growth and weather conditions.

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.**

WARNING. MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION.

- Avoid contact with eyes, skin, and clothing.
- Wash thoroughly after handling.
- Avoid breathing dust.
- Do not swallow.

MANUFACTURED For:

Diamond R Fertilizer, Inc.
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Ft. Pierce, FL 34981
Phone: 772.464.9300
F1573

Net Weight: 25 lbs (11.35 kg)