

UltraSol™

20-10-20

Water Soluble Fertilizer Greenhouse Plus

PRODUCT DESCRIPTION:

Popular general purpose formula for a variety of crops and growing conditions. Urea-free, with a high ratio of nitrate to ammonium nitrogen makes this formula well suited for plant bed and soil-less media. Excellent formula for growing plugs, transplants and bedding plants, and tobacco floatbeds.

GUARANTEED ANALYSIS:

Total Nitrogen (N) 20%
 8.0% Ammoniacal Nitrogen
 12.0% Nitrate Nitrogen
Available Phosphate (P₂O₅) 10%
Soluble Potash (K₂O) 20%
Magnesium (Mg) 0.50%
 0.50% Water Soluble Magnesium (Mg)
Sulfur (S) Combined 1.00%
Boron (B) 0.02%
Copper (Cu) 0.01%
 0.01% Chelated Copper (Cu)
Iron (Fe) 0.10%
 0.10% Chelated Iron (Fe)
Manganese (Mn) 0.05%
 0.05% Chelated Manganese (Mn)
Molybdenum (Mo) 0.01%
Zinc (Zn) 0.015%
 0.015% Chelated Zinc (Zn)

DERIVED FROM:

Ammonium Phosphate, Potassium Nitrate, Ammonium Nitrate, Magnesium Sulfate, Iron EDDHA, Iron EDTA, Manganese EDTA, Copper EDTA, Zinc EDTA, Boric Acid, Sodium Molybdate. F1367

Chlorine (Cl), Maximum0.50%

POTENTIAL ACIDITY: 400 lbs calcium carbonate equivalent per ton.

SOLUBILITY (max.): 3.0 lbs per gallon.

Fertilizer required per volume of concentrate, 20-10-20 (for continuous liquid feed programs):

ppm N	50	75	100	200
E.C. (mS/cm)	0.33	0.49	0.65	1.30
injector ratio	ounces/gal			
15	0.50	0.75	1.00	2.00
50	1.67	2.50	3.33	6.67
100	3.33	5.00	6.67	13.33
128	4.27	6.40	8.53	17.07
200	6.67	10.0	13.3	26.67

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.
Ex.: 400 ppm = 2 X 200 ppm = E.C. 2.6 and 4.0 oz/gal with 1:15 proportioner.

USE SUGGESTIONS:

Plugs, Flowers, and Bedding Plants:

- For plugs feed at 50 to 150 ppm once per week depending on growth stage.
- For vegetable transplants, bedding plants 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; 350 - 400 with pulse.

FLOATBED SUGGESTIONS:

This product is excellent for tobacco and vegetable floatbeds. Excellent for drip irrigation feeding.

Tobacco Float Bed:

- Feed Burley at 100 ppm nitrogen (N)
- Feed Flue Cured when crop is seeded at 150 ppm nitrogen (N) once, and then 100 ppm nitrogen (N) after 4 - 5 weeks of growth.
- 100 ppm nitrogen (N) = 7 ounces per 100 gallons of water.
- 100 ppm nitrogen (N) = 4.2 pounds per 1000 gallons of water.
- 150 ppm nitrogen (N) = 10 ounces per 100 gallons.
- 150 ppm nitrogen (N) = 6.3 pounds per 1000 gallons.

Note: 1 level cup equals approximately 10 ounces by weight of this material.

Net Weight 25 lbs

NC.2201020



MANUFACTURED BY:
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