

# UltraSol™

## 16-5-16

### Water Soluble Fertilizer UltraSol Premium

#### PRODUCT DESCRIPTION:

UltraSol Premium 16-5-16 is specifically designed for crops started in floatbeds. Perfect for greenhouse-started tobacco and vegetables; can also be used on a wide range of crops and growing conditions. Urea-free, with a very high nitrate to ammonium ratio. Extra sulfur and magnesium eliminates the need for epsom salts. Chelated micronutrients.

#### GUARANTEED ANALYSIS:

Total Nitrogen (N) ..... 16%  
    6.0% Ammoniacal Nitrogen  
    10.0% Nitrate Nitrogen  
Available Phosphate (P<sub>2</sub>O<sub>5</sub>) ..... 5%  
Soluble Potash (K<sub>2</sub>O) ..... 16%  
Magnesium (Mg) ..... 3.0%  
    3.0% Water Soluble Magnesium (Mg)  
Sulfur (S) Combined ..... 4.0%  
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) ..... 0.001%  
Zinc (Zn) ..... 0.015%  
    0.015% Chelated Zinc (Zn)

#### DERIVED FROM:

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

Chlorine (Cl), Maximum ..... 0.50%

**POTENTIAL ACIDITY:** 285 lbs calcium carbonate equivalent per ton.

**SOLUBILITY (max.):** 2.5 lbs per gallon.

#### Fertilizer required per volume of concentrate, when using an injector:

ppm N	50	75	100	150	200
EC (mS/cm)	0.40	0.60	0.80	1.20	1.60
Injector ratio	ounces per gallon				
1:15	0.62	0.94	1.25	1.87	2.50
1:50	2.08	3.12	4.17	6.25	8.33
1:100	4.17	6.25	8.33	12.50	16.67
1:128	5.33	8.00	10.67	16.00	21.33
1:200	8.33	12.50	16.67	25.00	33.33
1:300	12.50	18.75	25.00	37.50	50.00

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:

1. Calculate volume of water in bed by using the following formula: Length (ft) X width (ft) X depth (ft) X 7.48 gallons per cubic foot.

2. Use table below to determine quantity:\*

PPM N	Oz per 100 gallons
100	8.33
125	10.41
150	12.50
200	16.67
250	20.83

#### Tobacco Float Bed and Hydroponics:

- 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 = 8 ounces per 100 gallons of water.
- 150 ppm nitrogen = 12 ounces per 100 gallons. If using an injector, use chart above.

#### Fruit and Vegetable Crops:

- Use at the rate of 3 to 12 lbs per acre per day for supplemental feeding through drip irrigation. Application rate and frequency should be based on crop type and growth stage.

#### GENERAL DIRECTIONS:

- Store this formula in a dry place. Tightly seal open bag to prevent product hardening.
- Agitate well to dissolve completely. Use hot water for faster results.
- Use soil and water tests to determine the best concentrations and rates to use.

#### SAFETY INSTRUCTIONS:

For safety instructions refer to the material safety data sheet or call 1-800-667-8528.

**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.

#### FIRST AID:

IN CASE OF CONTACT WITH EYES, IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN. IMMEDIATELY RINSE FROM SKIN. WASH CLOTHING BEFORE REUSE.

#### SPILLS AND DISPOSAL:

If spilled, absorb with an inert, non-combustible material and remove for disposal. Dispose of all waste in accordance with applicable government regulations.

#### FOR PROFESSIONAL USE ONLY.

**KEEP OUT OF REACH OF CHILDREN.**

## Net Weight 25 lbs

## NC.2160516



MANUFACTURED BY:  
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