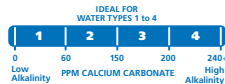


Peters Professional®



SKU# G99390

PRODUCT ANALYSIS AND RATES



HYDROPONIC SPECIAL

Designed exclusively for hydroponic culture, this classic formula is ideal for most hydroponic crops, especially tomatoes, cucumbers and lettuce.

- Flexible B (Base) formulation is easily augmented to meet unique plant needs
- Effective for all Water Types
- Buffered to help maintain acceptable working solution pH

GUARANTEED ANALYSIS 5-11-26

Total Nitrogen (N)	5%
5.0% Nitrate Nitrogen	
Available Phosphate (P ₂ O ₅)	11%
Soluble Potash (K ₂ O)	26%
Magnesium (Mg)	6.0%
6.0% Water Soluble Magnesium (Mg)	
Sulfur (S)	8.0%
8.0% Combined Sulfur (S)	
Boron (B)	0.05%
Copper (Cu)	0.015%
0.015% Chelated Copper (Cu)	
Iron (Fe)	0.3%
0.3% 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: Potassium Nitrate, Magnesium Sulfate, Monopotassium Phosphate, Iron EDTA, Manganese EDTA, Boric Acid, Zinc EDTA, Copper EDTA, Sodium Molybdate

PRODUCT PROPERTIES

Potential Basicity	215 lbs calcium carbonate equivalent per ton
Conductivity of 100 ppm N	1.45 mmhos/cm
Maximum Solubility	3 lbs/gal

Step 1: Dissolve 130 ounces or 8 pounds 2 ounces of this material in 1000 gallons to obtain the following concentrations

	Total	ppm
Nitrogen (All Nitrate)	N	50
Phosphorus	P	48
Potassium	K	216
Magnesium	Mg	60
Sulfur	S	80
Iron	Fe	3
Manganese	Mn	0.50
Zinc	Zn	0.15
Copper	Cu	0.15
Boron	B	0.50
Molybdenum	Mo	0.10

Step 2: Test your water to determine if additional Magnesium is required. An average of 50 to 75 ppm magnesium in the final solution is desirable for most crops. If additional magnesium is required, dissolve Epsom salts into tank. One ounce of Epsom salts dissolved in 100 gallons (10 oz./1,000 gallons) supplies 7.5 ppm magnesium.

Step 3: After the Hydroponic Special and any Epsom Salts needed have been dissolved in the tank, proceed as follows to supplement your crop with required concentrations of N & Ca.

- Example: Dissolve 86 ounces of Calcium Nitrate in the same 1000 gallons. Total nutrient concentration will then be: Nitrogen as N: 150 ppm N, Calcium as Ca: 116 ppm Ca.