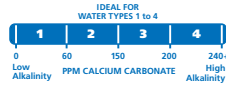




# Peters<sup>®</sup> Professional

SKU# E99310



**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 <sub>2</sub> O <sub>5</sub> ) . . . . .	11%
Soluble potash (K <sub>2</sub> O) . . . . .	26%
Magnesium (Mg) . . . . .	3.1%
3.1% water soluble magnesium (Mg)	
Sulfur (S) . . . . .	4.0%
4.0% 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, Potassium Phosphate, Magnesium Sulfate, Boric Acid, Copper EDTA, Iron EDTA, Manganese EDTA, Ammonium Molybdate, Zinc EDTA

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	31
Sulfate	SO <sub>4</sub>	125
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:** Based on the results of a current water test, determine if additional magnesium is required. An average of 50 ppm magnesium in the final solution is desirable for most crops. If water test results indicate that additional magnesium is required, dissolve Epsom salts. One ounce of Epsom salts dissolved in 100 gallons (10 oz/1000 gallons) supplies 7.5 ppm magnesium. Water with very low magnesium levels may require the addition of up to 2 oz/100 gallons (20 oz/1000 gallons) of Epsom salts.

**Step 3:** After the Hydroponic Special and any Epsom salts needed have been dissolved in the tank, proceed as follows:

- 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.

