5-11-26 Hydro-Sol®

PRODUCT FEATURES

- Classic formula designed exclusively for hydroponic culture
- The standard in hydroponic plant culture
- Ideal for most hydroponic crops, especially tomatoes, cucumbers and lettuce

STOCK NO. 91251

- Supplies sulfur
- Flexible: easily modified to meet unique plant needs
- Formula is buffered to help maintain acceptable working solution pH.
- Maximum solubility 4 lb./gal.

GUARANTEED ANALYSIS

For Continuous Liquid Feed Programs

Total nitrogen (N) 5%
5% nitrate nitrogen
Available phosphate (P_2O_5) 11%
Soluble potash (K_2O) 26%
Magnesium (Mg) (Total) 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 phosphate, potassium nitrate, magnesium sulfate, boric acid, copper EDTA, iron EDTA, manganese EDTA, ammonium molybdate, zinc EDTA.

Potential Basicity: 215 lbs. calcium carbonate equivalent per ton.

WARNING: This product contains boron (B) and should be used according to directions only, especially on crops sensitive to boron uptake.

This fertilizer contains molybdenum (Mo). The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.

Product may become moist with time because of deliquescent nature of ingredients.

Distributed By:

Scotts

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H4032 Revised 010204

Peters Professional® 5-11-26 Hydro-Sol®

Water Soluble Fertilizer

(Suggestions for Commercial Growers)

100 ppm N Solution Contains the Following Elemental ppm		
Ammonium-N	(NH_4 – N)	0
Nitrate-N	(NO_3 – N)	100.0
Urea-N	(Urea-N)	0
Phosphorus	(P)	95.7
Potassium	(K)	433.3
Calcium	(Ca)	0
Magnesium	(Mg)	62.2
Boron	(B)	1.000
Copper	(Cu)	0.300
Iron	(Fe)	6.000
Manganese	(Mn)	1.000
Molybdenum	(Mo)	0.200
Zinc	(Zn)	0.300

E.C. at 100 ppm N = 1.90

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	30
Sulfate	SO_4	117
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./1,000 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./1,000 gallons) of Epsom Salts.

STEP 3: After the Hydro-Sol® 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

SUGGESTIONS FOR USE

The chemical composition of the irrigation water applied to crops has a major influence on the nutrients available to plants in the long term. Before selecting and/or designing a fertilizer program, first test the irrigation water to better understand pH and alkalinity.

E.C. calculations are based upon a 100ppmN solution with reverse osmosis water.

Continuous feeding is recommended on periodic or pulse feeding as this practice provides a more uniform and optimal feed program.

Use the Scotts Testing Laboratory for more reliable media, solution and tissue test results. Call 1-877-HORT LAB for technical assistance.

Contact your Scotts representative or Scotts Customer Service at 1-800-492-8225 for more information.