



Peters Professional®

Water Soluble Fertilizer



PROFESSIONAL HORTICULTURE

Water Soluble Fertilizers

# 30-10-10 Hi-Nitro

## PRODUCT FEATURES

- Low cost-in-use nitrogen source
- For soil or soil-containing media
- Successful history with orchids

## STOCK NO. 91060

- May be used as a foliar feed for quick “green-up” of nitrogen deficient plants because of high urea content
- Used as treatment to help reduce soil pH
- Maximum solubility 4 lb. 4 oz./gal.

## GUARANTEED ANALYSIS

For Continuous Liquid Feed Programs

Total Nitrogen (N).....	30%
2.06% ammoniacal nitrogen	
3.31% nitrate nitrogen	
24.63% urea nitrogen	
Available phosphate (P <sub>2</sub> O <sub>5</sub> ).....	10%
Soluble potash (K <sub>2</sub> O).....	10%
Magnesium (Mg) (Total) .....	0.05%
0.05% water soluble magnesium (Mg)	
Boron (B).....	0.0068%
Copper (Cu) .....	0.0036%
0.0036% chelated copper (Cu)	
Iron (Fe) .....	0.05%
0.05% chelated iron (Fe)	
Manganese (Mn).....	0.025%
0.025% chelated manganese (Mn)	
Molybdenum (Mo) .....	0.0009%
Zinc (Zn).....	0.0025%
0.0025% chelated zinc (Zn)	

Derived from: ammonium phosphate, potassium nitrate, urea, magnesium sulfate, boric acid, copper EDTA, iron EDTA, manganese EDTA, ammonium molybdate, zinc EDTA.

Potential Acidity: 1040 lb. calcium carbonate equivalent per ton.

Distributed By:



The Scotts Company  
14111 Scottslawn Road • Marysville, Ohio 43041  
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# Peters Professional® 30-10-10 Hi-Nitro

## Water Soluble Fertilizer

*(Suggestions for Commercial Growers)*

100 ppm N Solution Contains the Following Elemental ppm		
Ammonium-N (NH <sub>4</sub> - N)		6.9
Nitrate-N (NO <sub>3</sub> - N)		11.0
Urea-N (Urea-N)		82.1
Phosphorus (P)		14.5
Potassium (K)		27.7
Calcium (Ca)		0
Magnesium (Mg)		0.17
Boron (B)		0.023
Copper (Cu)		0.012
Iron (Fe)		0.167
Manganese (Mn)		0.083
Molybdenum (Mo)		0.003
Zinc (Zn)		0.008

Crop Type	Continuous Feeding ppm N (Constant Liquid Feeding)	Periodic Feeding ppm N (Pulse Feeding)
Bedding Plants	50-150	150-250
Containerized Woody Plants	50-100	200-350
Cut Flowers	175-225	300-450
Potted Chrysanthemums	200-300	350-400
Potted Easter Lilies	200-300	350-400
Potted Tropical Foliage	150-200	250-300
Potted Geraniums	200-300	350-400
Potted Poinsettias	200-300	350-400
Plugs (All Types)	50-125	175-225

Ounces of Peters Professional 30-10-10 Hi-Nitro Per Gallon of Concentrate						
Nitrogen ppm N	Injector Ratios*					E.C.** mmhos/cm
	1:15	1:100	1:128	1:200	1:300	
25	0.2	1.13	1.44	2.25	3.38	0.04
50	0.3	2.25	2.88	4.50	6.75	0.07
75	0.5	3.38	4.32	6.75	10.13	0.11
100	0.7	4.50	5.76	9.00	13.50	0.14
150	1.0	6.75	8.64	13.50	20.25	0.21
200	1.4	9.00	11.52	18.00	27.00	0.28
300	2.0	13.50	17.28	27.00	40.50	0.42
400	2.7	18.00	23.04	36.00	54.00	0.56

Approximate Gallons Required to Dissolve One 25 lb. Bag of 30-10-10 Hi-Nitro		
Nitrogen ppm N	Injector Ratios***	
	1:100	1:200
25	356	178
50	178	89
75	119	60
100	89	45
150	60	30
200	45	23
300	30	15
400	23	12

\* Use the oz./gal. to obtain suggested or desired ppm N. To customize, values are additive. For example, if 275 ppm N is desired, using a 1:100 injector, add 9 oz. (200 ppm N) and 3.38 oz. (75 ppm N) to yield 12.38 oz./gal. concentrate. To convert oz./gal. to grams/liters, multiply by 7.5.

\*\* E.C. measurements do not include E.C. of plain water. For more information contact your Scotts representative or Scotts Customer Service at 1-800-492-8255 or the Scotts Testing Laboratory at 1-800-743-4769. E.C. calculations are based upon a 100 ppm nitrogen solution with a water alkalinity of less than 100 ppm CaCO<sub>3</sub> (100 mg CaCO<sub>3</sub>/l).

\*\*\*Limit of solubility 4 lbs. 4 oz./gal. (68 oz./gal.) Dissolves fast with hot water.

### 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.

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

**Use a reputable laboratory such as the Scotts Testing Laboratory for more reliable media, solution and tissue test results.**