



Peters Professional®

Water Soluble Fertilizer



PROFESSIONAL HORTICULTURE

Water Soluble Fertilizers

24-8-16 Foliage Special

PRODUCT FEATURES

- Classic 3:1:2 ratio proven optimum by Florida researchers
- Achieves ammoniacal/nitrate balance optimum for tropical foliage
- Low boron level reduces threat of boron toxicity

STOCK NO. 91930 / 31

- Moderate potential acidity at low rates is excellent for interiorscape use
- Contains sulfur
- May be used as a foliar feed
- Maximum solubility 3 lb./gal.

GUARANTEED ANALYSIS

For Continuous Liquid Feed Programs

Total Nitrogen (N).....	24%
5.35% ammoniacal nitrogen	
4.80% nitrate nitrogen	
13.85% urea nitrogen	
Available phosphate (P ₂ O ₅).....	8%
Soluble potash (K ₂ O).....	16%
Magnesium (Mg) (Total)	0.4%
0.4% water soluble magnesium (Mg)	
Sulfur (S) (Combined).....	4.7%
Boron (B).....	0.0034%
Copper (Cu)	0.02%
0.02% chelated copper (Cu)	
Iron (Fe)	0.05%
0.05% chelated iron (Fe)	
Manganese (Mn).....	0.02%
0.02% chelated manganese (Mn)	
Molybdenum (Mo)	0.0009%
Zinc (Zn).....	0.02%
0.02% chelated zinc (Zn)	

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

Potential Acidity: 890 lbs. calcium carbonate equivalent per ton.

Warning: Storage and chemical components may produce a moist texture which will not affect nutrient value.

Distributed By:



The Scotts Company
14111 Scottslawn Road • Marysville, Ohio 43041
1-800-492-8255

Peters Professional®, Peters® EXCEL®, Peat-Lite Specials®, Osmocote®, and Sierra® are registered trade names of Scotts-Sierra Horticultural Products Company. We hope the information given here will be helpful. It is based upon data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations, or suggestions in conjunction with our conditions of sale which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use which would infringe any patent/copyright.

© 2004, The Scotts Company, Marysville, Ohio 43041. World Rights Reserved.
Printed in U.S.A.

H4071 Revised 121004

Peters Professional® 24-8-16 Tropical Foliage

Water Soluble Fertilizer

(Suggestions for Commercial Growers)

100 ppm N Solution Contains the Following Elemental ppm		
Ammonium-N (NH ₄ - N)		22.3
Nitrate-N (NO ₃ - N)		20
Urea-N (Urea-N)		57.7
Phosphorus (P)		14.5
Potassium (K)		55.5
Calcium (Ca)		0
Magnesium (Mg)		1.7
Boron (B)		0.014
Copper (Cu)		0.083
Iron (Fe)		0.208
Manganese (Mn)		0.083
Molybdenum (Mo)		0.004
Zinc (Zn)		0.083

Intended Use	ppm Nitrogen Applied	
	Continuous Feed	Periodic Feed
Commercial Production	200–300	300–450
Acclimatization	50–100	—
Interiorscape: Good Light	50–100	150–300
Interiorscape: Low Light	—	75–150
Out-of-Door Usage	75–150	250–400

Ounces of Peters Professional 24-8-16 Tropical Foliage 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	1.41	1.80	2.82	4.22	0.11
50	0.4	2.82	3.60	5.63	8.45	0.22
75	0.6	4.22	5.40	8.45	12.67	0.33
100	0.8	5.63	7.21	11.26	16.89	0.44
150	1.3	8.45	10.81	16.89	25.34	0.66
200	1.7	11.26	14.41	22.52	33.78	0.88
300	2.5	16.89	21.62	33.78	***	1.32
400	3.4	22.52	28.83	45.04	***	1.76

Approximate Gallons Required to Dissolve One 25 lb. Bag of 24-8-16 Tropical Foliage		
Nitrogen ppm N	Injector Ratios***	
	1:100	1:200
25	285	143
50	143	72
75	95	48
100	72	36
150	48	24
200	36	18
300	24	12
400	18	9

* 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 11.26 oz. (200 ppm N) and 4.22 oz. (75 ppm N) to yield 15.48 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. E.C. calculations are based upon a 100 ppm nitrogen solution with reverse osmosis water.

*** Limit of solubility 3 lbs./gal. (48 oz./gal.)

Small Volume Rate: 1 level tsp/gal = 289.1 ppm N
100 gal. tank - no injector: 1lb./100 gal. = 284.2 ppm N.

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 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.