13-0-44 Potassium Nitrate

PRODUCT FEATURES

- Ideal alone or as supplementary potassium source
- Excellent for growing under cool temperature conditions
- Excellent choice when a “no minors” fertilizer is needed to combat minor element toxicity

STOCK NO. 91241

- All nitrate nitrogen
- Component of most “mix your own” fertilizer programs
- Maximum solubility 2 lb./gal.

GUARANTEED ANALYSIS

Total Nitrogen (N) 13%
13% nitrate nitrogen
Soluble potash (K_2O)..... 44%

Derived from: potassium nitrate

Potential Basicity: 520 lb. calcium carbonate equivalent per ton.

PROFESSIONAL HORTICULTURE

Water Soluble Fertilizers

Distributed By:

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

H4040 Revised 7/00

Peters Professional® 13-0-44 Potassium Nitrate
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
Urea-N	(Urea-N)	0
Phosphorus	(P)	0
Potassium	(K)	281
Calcium	(Ca)	0
Magnesium	(Mg)	0
Boron	(B)	0
Copper	(Cu)	0
Iron	(Fe)	0
Manganese	(Mn)	0
Molybdenum	(Mo)	0
Zinc	(Zn)	0

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 13-0-44 Potassium Nitrate Per Gallon of Concentrate

Nitrogen	Injector Ratios*					E.C.**
ppm N	1:15	1:100	1:128	1:200	1:300	mmhos/cm
25	0.4	2.60	3.32	5.19	7.79	0.24
50	0.8	5.19	6.64	10.38	15.57	0.48
75	1.2	7.79	9.96	15.57	23.36	0.72
100	1.6	10.38	13.29	20.76	31.14	0.95
150	2.3	15.57	19.93	31.14	***	1.43
200	3.1	20.76	26.57	***	***	1.90
300	4.7	31.14	***	***	***	2.85
400	6.2	***	***	***	***	3.80

Approximate Gallons Required to Dissolve One 25 lb. Bag of 13-0-44 Potassium Nitrate

Nitrogen	Injector Ratios***	
ppm N	1:100	1:200
25	155	78
50	78	39
75	52	26
100	39	20
150	26	13
200	20	***
300	13	***
400	***	***

* 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 20.76 oz. (200 ppm N) and 7.79 oz. (75 ppm N) to yield 28.55 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 $CaCO_3$ (100 mg $CaCO_3$/l).

***Limit of solubility 2 lbs./gal. (32 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.

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