



13-0-44 Potassium Nitrate

PETERS
PROFESSIONAL®

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 ₂ O)..... | 44% |

Derived from: potassium nitrate

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



Water Soluble Fertilizers

Distributed By:



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

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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 | | | Crop Type | Continuous Feeding ppm N (Constant Liquid Feeding) | Periodic Feeding ppm N (Pulse Feeding) |
|---|--|-----|----------------------------|---|---|
| Ammonium-N (NH ₄ - N) | | 0 | Bedding Plants | 50–150 | 150–250 |
| Nitrate-N (NO ₃ - N) | | 100 | Containerized Woody Plants | 50–100 | 200–350 |
| Urea-N (Urea-N) | | 0 | Cut Flowers | 175–225 | 300–450 |
| Phosphorus (P) | | 0 | Potted Chrysanthemums | 200–300 | 350–400 |
| Potassium (K) | | 281 | Potted Easter Lilies | 200–300 | 350–400 |
| Calcium (Ca) | | 0 | Potted Tropical Foliage | 150–200 | 250–300 |
| Magnesium (Mg) | | 0 | Potted Geraniums | 200–300 | 350–400 |
| Boron (B) | | 0 | Potted Poinsettias | 200–300 | 350–400 |
| Copper (Cu) | | 0 | Plugs (All Types) | 50–125 | 175–225 |
| Iron (Fe) | | 0 | | | |
| Manganese (Mn) | | 0 | | | |
| Molybdenum (Mo) | | 0 | | | |
| Zinc (Zn) | | 0 | | | |

| Ounces of Peters Professional 13-0-44 Potassium Nitrate Per Gallon of Concentrate | | | | | | |
|---|------------------|-------|-------|-------|-------|--------------------|
| Nitrogen ppm N | Injector Ratios* | | | | | E.C.** mmhos/cm |
| | 1:15 | 1:100 | 1:128 | 1:200 | 1:300 | |
| 25 | 0.4 | 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 ppm N | Injector Ratios*** | |
| | 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 CaCO₃ (100 mg CaCO₃/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.