

S A SOUTHERN
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20-10-20

NITRATE SPECIAL SOLUBLE FERTILIZER PLUS MINORS

A HIGH QUALITY, WATER SOLUBLE, CONCENTRATED FERTILIZER THAT CAN BE APPLIED AS A FOLIAR SPRAY, SOIL DRENCH, OR WITH INJECTION RATIO FEEDERS.

GUARANTEED ANALYSIS:	BY WT.
TOTAL NITROGEN (N)	20.00%
12.06% Nitrate Nitrogen	
7.94% Ammoniacal Nitrogen	
0.00% Urea Nitrogen	
AVAILABLE PHOSPHATE (P ₂ O ₅)	10.00%
SOLUBLE POTASSIUM as (K ₂ O)	20.00%
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Chelated Copper (Cu)	
Total Iron (Fe)	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%
0.05% Chelated Zinc (Zn)	
Chlorine (Cl) - not more than	1.00%

PLANT NUTRIENTS DERIVED FROM: Potassium Nitrate, Ammonium Nitrate, and Ammonium Phosphates, Sodium Borate, Cupric Disodium EDTA, Ferric Sodium EDTA, Manganous Sodium EDTA, Sodium Molybdate, Zinc Sodium EDTA, EDTA - Ethylenediaminetetraacetate. **ARTIFICIALLY COLORED**

Potential Acidity: 422 lbs. Calcium Carbonate Equivalent per Ton.
Guaranteed By: Southern Agricultural Insecticides, Inc. P.O. Box 218, Palmetto, FL 34220
CONTAINS POTASSIUM NITRATE, AN OXIDIZER - POSSIBLE FIRE HAZARD



The trace elements are Chelated, which makes them readily available to the plant.

OUNCES BY WEIGHT PER GALLON OF CONCENTRATED STOCK SOLUTION				
FINAL CONC. N in ppm	INJECTOR RATIOS			E.C. mmhos/cm
	1:16	1:100	1:200	
50 ppm	0.50	3.38	6.75	0.33
100 ppm	1.00	6.75	13.50	0.65
150 ppm	1.50	10.13	20.25	0.98
200 ppm	2.00	13.50	27.00	1.30
250 ppm	2.50	16.88	33.75	1.63

CONTINUOUS FEEDING	
Crop Type	ppm N
Bedding Plants	100-150
Woody Plants	50-100
Tropical Foliage	150-200
Chrysanthemums	250-300
Geraniums	250-300
Plugs (all types)	50-125

DIRECTIONS FOR USE

SPRAY APPLICATION: On Vegetables, Ornamentals, House Plants, Shrubs and Trees. Use 5 lbs. per 100 gallons of water (2 TBS. per gallon). Apply as a full volume spray. Repeat at 7 to 10 day intervals as needed.

DRENCH APPLICATION: On plant beds and potted plants, use 2 lbs. per 100 gallons of water (2 tsp. per gallon). Apply at the rate of 1 quart per square foot or 100 gallons per 400 square feet. Repeat treatment every 1-3 weeks as needed.

CONSTANT FEED: Fertilizer applications with every watering (3 or more times per week). Use at the rate of 100-200 ppm nitrogen, 6 3/4 oz. to 13 1/2 ozs. per 100 gallons. Water with approximately 1-2 quarts per square foot or 100-200 gallons per 400 square feet (4/10 - 8/10 in. of water). Where injector systems are used, the following table may be used to determine the amount of fertilizer to use in concentrate tank. When constant feeding, it is often desirable to leach potted and benched plants about once a week in order to avoid excessive fertilizer build up, particularly on the soil surface. NOTE: Indicated rates are intended as a guide for initial applications. Experience with the particular crop and frequent soil testing are best guides to proper fertilization.

CAUTION: KEEP OUT OF REACH OF CHILDREN. MAY BE HARMFUL IF SWALLOWED. AVOID CONTACT WITH EYES.

Avoid breathing dust, and contact with skin, eyes and clothing. If ingested, give two glasses of water, induce vomiting and call a physician. If in eyes or on skin flush with water. If on clothing, launder before reuse. Wash thoroughly after handling.

USE PRECAUTIONS

This material is compatible with most insecticides and fungicides. Do not use in combination with Bordeaux, lime, highly alkaline materials or nutritional calcium sprays. If compatibility is not known, test on small area before use.

Timing, method and rates of application, differences in plant varieties, growing conditions and other influencing factors are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material.

NOTE: Do not apply with hose-end sprayers or injection ratio feeders without using a proper anti-backflow device.

LAWNS AND TURF GRASS: May be used as a supplement to regular fertilization when quick response and greening are needed. Use at the rate of 1-2 lb. per 10 gallons of water per 1,000 square feet. Apply monthly or as needed.

We recommend that you follow the Best Management Practices found at:
[Http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/BMP_Book_final.pdf](http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/BMP_Book_final.pdf)

TRANSPLANT SOLUTION: For use on tobacco, vegetables such as tomato, lettuce, cabbage, cauliflower, eggplant and peppers. In general, use 3 lbs. per 100 gallons of solution (1 1/2 TBS. per gallon). Pour around plant using 1/2 to 1 pint of solution per plant. Some plants such as tobacco may be sensitive to excess amounts of fertilizer and it is best to use the low rate of 1 lb. per 100 gallons initially and check plant response. If experience dictates, up to the 3 lb. rate may be used.

This material is compatible with most insecticides and fungicides which are not highly alkaline such as Bordeaux Mixture or Lime. If compatibility is not known, test on small area before use.

APPROXIMATE VOLUME EQUIVALENTS:
1 lb. = 2 cups 1 cup = 1/2 lb. 1 oz. by weight = 1 fl. oz. by volume (2 TBS.)

For questions pertaining this product, please email us at support@southernag.com



(Potassium Nitrate/Ammonium Nitrate)
UN 1479 Oxidizing, Solid,
NOS 5.1 PG III

Southern Agricultural Insecticides, Inc.

Palmetto, FL 34220

Hendersonville, NC 28793

Boone, NC 28607

Net Weight: 25 lb (11.34 kg)

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