SPOON-FEEDING™

Nutriculture®

No Phosphate Special 25-0-25 PLUS

- **Balanced to offset excess phosphate tie up of micros**
- **Prevents phosphate flush in bodies of water**

No Phosphate Special 25-0-25PLUS was designed to overcome excess phosphate conditions. Phosphorous is an element which moves very little in soils or soil mixes and sometimes through excessive fertilization with high phosphorous materials or with improper maintenance of soil pH, an excess can occur. This in turn can create problems in other areas, such as the availability of other trace elements, particularly zinc. Aluminum can also be tied up by phosphates, which would hamper the production of good quality pink hydrangeas.

25-0-25 has been formulated to provide most of the generally accepted trace and minor elements plus N and K. It is therefore well suited as the primary feed in soil mixes that have proven to contain high levels of phosphorous. As crops deplete the levels of phosphorous in the soil mix, growers will usually switch to a NPK formulation that will provide phosphorous at more normal levels.

Guaranteed Analysis (For continuous liquid feeding)

25-0-25+	Percent	Lbs/Ton	Concentration at
Total Nitrogen (N)	25%	500	200 PPM as N
1.01% Ammoniacal Nitrogen			
7.58% Nitrate Nitrogen			
16.32% Urea Nitrogen			
Soluble Potash (K_2O)	25%	500	200 PPM as K_2O
Magnesium (Mg)	0.05%	1.0	0.4 PPM as Mg
Sulfur (S)	1.40%	28	11.2 PPM as S
1.40% Combined Sulfur (S)			
Boron (B)	0.02%	0.4	0.16 PPM as B
Copper (Cu)	0.05%	1.0	0.4 PPM as Cu
0.05% Water Soluble Copper (Cu)			
Iron (Fe)	0.10%	2.0	0.8 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.0	0.4 PPM as Mn
0.05% Water Soluble Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.018	0.0072 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.4 PPM as Zn
0.05% Water Soluble Zinc (Zn)			

Derived from Ammonium Sulfate, Potassium Nitrate, Magnesium Sulfate, Urea, Borax, Sodium Molybdate, Copper Sulfate, Iron EDTA, Manganese Sulfate and Zinc Sulfate.. CAUTION: This fertilizer is to be used on soils which responds to molybdenum. Crops high in molybdenum are toxic to grazing animals. Potential acidity equivalent to 427 lbs. Calcium Carbonate per ton.

MIXING RATE FOR 200 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio-Premix 1.6 oz. per gallon (12 grams per liter).

TANK: 0.11 oz. per gallon (0.8 gram per liter).

PROPORTIONER: 1:100 ratio use 10.66 oz. per gal. of concentrate (80 grams per liter). OTHER RATIOS: Multiply ratio times weight divided by 100.

OTHER PPM: Multiply desired PPM times weight divided by 200. Increase or decrease PPMN according to response.

NITROGEN PARTS PER MILLION CHART

Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces required per gal of concentrate					
1:15	0.42	0.83	1.25	1.67	2.4	3.2
1:50	1.33	2.67	4.00	5.33	8.00	10.66
1:100	2.67	5.33	8.00	10.66	15.99	21.32
1:200	5.33	10.66	15.99	21.32	31.99	42.65
1:300	8.00	15.99	23.99	31.99	47.98	63.97
EC (+ - 10%) mmhos/cm	.15	.30	.45	.61	.92	1.22

*Maximum solubility approx. 60 oz. per gallon

To Order Use Code:
25 lb Bag: 250025+

Plant Marvel Laboratories, Inc.
371 East 16 th Street
Chicago Heights, IL 60411
www.plantmarvel.com
Fax 708-757-5224
Phone 800-524-7031