



# Hi-Nitrate Special 20-5-30 PLUS

- **High potash stiffens stems**
- **High nitrate nitrogen for cool weather crops**

Hi-Nitrate Special 20-5-30<sup>PLUS</sup> is an ideal formula for feeding carnations and chrysanthemums. It is also excellent as an occasional feed for roses, geraniums and other varieties that require a high potash formulation. It allows plants to

establish heavier, thick walled cells. Promotes top growth and extensive root and tuber development. It has a very low potential acidity which makes it especially useful where a change in soil pH is undesirable.

### Guaranteed Analysis (For Continuous Liquid Feed)

20-5-30+	Percentage	Lbs/Ton	Concentration
Total Nitrogen (N)	20%	400	200 PPM as N
0.94% Ammoniacal Nitrogen			
8.75% Nitrate Nitrogen			
10.31% Urea Nitrogen			
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5%	100	50 PPM as P <sub>2</sub> O <sub>5</sub>
Soluble Potash (K <sub>2</sub> O)	30%	600	300 PPM as K <sub>2</sub> O
Magnesium (Mg)	0.05%	1.0	0.50 PPM as Mg
Sulfur (S)	0.07%	1.4	0.70 PPM as S
0.07% Combined Sulfur (S)			
Boron (B)	0.02%	0.40	0.20 PPM as B
Copper (Cu)	0.05%	1.0	0.50 PPM as Cu
0.05% Chelated Copper (Cu)			
Iron (Fe)	0.10%	2.0	1.0 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.0	0.50 PPM as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.02	0.01 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.50 PPM as Zn
0.05% Chelated Zinc (Zn)			

Derived from Ammonium Phosphate, Potassium Nitrate, Magnesium Sulfur, Urea, Borax, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese and Zinc. 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 153.3 lbs. Calcium Carbonate per ton.

### MIXING RATE FOR 100 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio-Premix 1 oz. per gallon (7.5 grams per liter).  
 TANK: 0.07 oz. per gallon (0.5 gram per liter).  
 PROPORTIONER: 1:100 ratio use 6.66 oz. per gal. of concentrate (50 grams per liter).  
 OTHER RATIOS: Multiply ratio times weight divided by 100.  
 OTHER PPM: Multiply desired PPM times weight divided by 100. Increase or decrease PPM according to crop response.

### NITROGEN PARTS PER MILLION CHART

Parts per Million	50	100	150	200	300	400
<b>Injector Ratios</b>	Ounces required per gal of concentrate					
<b>1:15</b>	0.5	1	1.5	2	3	4
<b>1:50</b>	1.67	3.33	5	6.66	10	13.33
<b>1:100</b>	3.33	6.66	10	13.33	19.99	26.66
<b>1:200</b>	6.66	13.33	19.99	26.66	39.98	53.3
<b>1:300</b>	10.0	19.99	29.99	39.98	59.98	*

EC (+-10%) mmhos/cm .23 .47 .70 .93 1.39 1.86

\*Maximum solubility approx. 60 ozs. per gallon

**To Order Use Code:**  
 25 lb Bag: 200530+

