

Hi-Nitrate Special

Hi-Nitrate Special 20-5-30^{PLUS} 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.

MIXING RATE FOR 200 PPM NITROGEN
HOSE END SPRAYER:
 1:15 ratio- Premix 2 oz. per gallon (15 grams per litre).
TANK: 0.13 oz. per gallon (1 gram per litre).
PROPORTIONER:
 1:100 ratio use 13.33 oz. per gal. of concentrate (100 grams per litre).
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 crop response.

Guaranteed Analysis (For continuous liquid feeding)			
20-5-30+ Hi-Nitrate Special	Percent	Lbs/Ton	Concentration at 200 PPM
Total Nitrogen (N)	20%	400	200 PPM as N
1.00% Ammoniacal Nitrogen			
9.25% Nitrate Nitrogen			
9.75% Urea Nitrogen			
Available Phosphate (P ₂ O ₅)	5%	100	50 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	30%	600	300 PPM as K ₂ O
Boron (B)	0.02%	0.40	0.20 PPM as B
Copper (Cu)	0.05%	1.0	0.50 PPM as Cu
0.05% Water Soluble 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% Water Soluble 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% Water Soluble Zinc (Zn)			
Derived from Ammonium Phosphate, Potassium Nitrate, Urea, Borax, Sodium Molybdate, Copper Sulfate, Iron EDTA, Manganese Sulfate and Zinc Sulfate. Potential acidity equivalent to 117 lbs. Calcium Carbonate per ton.			

Nitrogen Parts Per Million Chart				
Injector Ratio	Ounces required per Gallon of concentrate			
	100 PPM	150 PPM	200 PPM	300 PPM
1:50	3.38	5.07	6.76	10.14
1:100	6.75	10.12	13.50	20.25
1:150	10.13	15.19	20.26	30.39
1:200	13.50	20.25	27.00	40.50
1:300	20.25	30.37	40.50	60.75
Based on 1/2 gallon per square foot coverage. Two Tablespoons equals One Ounce (approximately) One Cup equals One Pound (approximately)				

Conductivity of 20-5-30+ using distilled water mixed at: (allow +/- 10%)	
50 PPM Nitrogen =	.23 Millimhos/CM
100 PPM Nitrogen =	.47 Millimhos/CM
150 PPM Nitrogen =	.70 Millimhos/CM
200 PPM Nitrogen =	.93 Millimhos/CM
300 PPM Nitrogen =	1.39 Millimhos/CM
400 PPM Nitrogen =	1.86 Millimhos/CM
500 PPM Nitrogen =	2.33 Millimhos/CM