

Hi-Acid

Hi-Acid 28-18-8^{PLUS} is specially formulated to provide the acid rich diet so many crops need. It is recommended as a regular feed for azaleas and hydrangeas and as a supplementary feed for mums and green plants. It can also be used on specialty field grown crops such as strawberries, asparagus, beans and spinach. Also for all broadleaf and needle type evergreens or any acid loving plants. 28-18-8 is one of our most popular formulas because of the great variety of plants it can benefit.

The fairly high quantity of phosphorous assures a higher bud count; deeper color blooms and lush dark green foliage will result from the highly available nitrogen. Because of its high potential acidity, it is possible to incorporate ground dolomitic limestone into the soil mix to supply adequate amounts of calcium to the crop and still maintain a low pH.

**MIXING RATE FOR
200 PPM
NITROGEN**

HOSE END SPRAYER:
1:15 ratio-Premix 1.43 oz. per gallon (10.71 grams per litre).

TANK: 0.1 oz. per gallon (0.71 gram per litre).

PROPORTIONER:
1:100 ratio use 9.52 oz. per gal. of concentrate (71 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 PPM according to crop response.

Guaranteed Analysis (For continuous liquid feeding)			
28-18-8+ Hi-Acid	Percent	Lbs/Ton	Concentration at 200 PPM
Total Nitrogen (N)	28%	560	200 PPM as N
4.33% Ammoniacal Nitrogen			
2.41% Nitrate Nitrogen			
21.26% Urea Nitrogen			
Available Phosphate (P ₂ O ₅)	18%	360	129 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	8%	160	57 PPM as K ₂ O
Magnesium (Mg)	0.05%	1.0	0.36 PPM as Mg
Sulphur (S)	1%	20	7.14 PPM as S
1% Combined Sulphur (S)			
Boron (B)	0.02%	0.40	0.143 PPM as B
Copper (Cu)	0.05%	1.0	0.357 PPM as Cu
0.05% Chelated Copper (Cu)			
Iron (Fe)	0.10%	2.0	0.714 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.0	0.357 PPM as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.02	0.0071 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.357 PPM as
0.05% Chelated Zinc (Zn)			
Derived from Ammonium Phosphate, Ammonium Sulphate, Potassium Nitrate, Magnesium Sulphate, Urea, Borax, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese and Zinc. Potential acidity equivalent to 1062 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	2.38	3.57	4.76	7.14
1:100	4.76	7.14	9.52	14.28
1:150	7.14	10.71	14.28	21.42
1:200	9.52	14.28	19.04	28.56
1:300	14.28	21.42	28.56	42.84
Based on 1/2 gallon per square foot coverage. Two Tablespoons equals One Ounce (approximately) One Cup equals One Pound (approximately)				

Conductivity of 28-18-8+ using distilled water mixed at: (allow +/- 10%)	
50 PPM Nitrogen =	.11 Millimhos/CM
100 PPM Nitrogen =	.22 Millimhos/CM
150 PPM Nitrogen =	.33 Millimhos/CM
200 PPM Nitrogen =	.43 Millimhos/CM
300 PPM Nitrogen =	.66 Millimhos/CM
400 PPM Nitrogen =	.85 Millimhos/CM
500 PPM Nitrogen =	1.10 Millimhos/CM