



Hi-Acid 28-18-8 PLUS

- **Helps reduce pH**
- **Ideal Spoon-feeding® fertilizer for container and field grown stock**

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 broad leaf 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.

Guaranteed Analysis (For continuous liquid feeding)			
28-18-8+	Percent	Lbs/Ton	Concentration at
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
Sulfur (S)	1%	20	7.14 PPM as S
1% Combined Sulfur (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 Sulfate, Potassium Nitrate, Magnesium Sulfate, Urea, Borax, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese and Zinc. CAUTION: This fertilizer is to be used on soils which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals Potential acidity equivalent to 1062 lbs. Calcium Carbonate per ton.

MIXING RATE FOR 200 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio-Premix 1.43 oz.. per gallon (10.71 grams per liter).
TANK: 0.1 oz.. per gallon (0.71 gram per liter).
PROPORTIONER: 1:100 ratio use 9.52 oz.. per gal. of concentrate (71 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 PPM according to crop response.

TURF RATES PER SQUARE FOOT					
Desired Pounds of Nitrogen per 1000 square feet	1/10	1/8	1/4	1/2	1
Fertilizer required in ounces	5.71	7.14	14.29	28.57	67.14
Pounds required per acre	15.55	19.44	38.9	77.78	155.56
Desired Grams of Nitrogen per square meter	0.49	0.61	1.22	2.44	4.88
Fertilizer required in grams	1.7	2.2	4.4	8.7	19.5
Kilograms required per hectare	17	22	44	87	174
Fertilizer required in kilograms per 500 sq. meter	.85	1.1	2.2	4.35	8.7

NITROGEN PARTS PER MILLION CHART						
Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces required per gal of concentrate					
1:15	0.36	0.41	1.07	1.43	2.14	2.86
1:50	1.19	2.38	3.57	4.76	7.14	9.52
1:100	2.38	4.76	7.14	9.52	14.28	19.04
1:200	4.76	9.52	14.28	19.04	28.56	38.08
1:300	7.14	14.28	21.42	28.56	42.84	57.12

EC (+ - 10%) mmhos/cm .11 .22 .33 .43 .66 .85

*Maximum solubility approx. 60 oz.. per gallon

