



Acid Special 21-7-7 PLUS

- **Offsets high water alkalinity**
- **Lowers pH in the root zone**
- **Provides increased iron and sulfur as well as seven minor elements**
- **Helps overcome nutrient tie up in soil**

An effective formula that will help in lowering pH when irrigation water or media are high in alkalinity. Generally used as an occasional feed for correcting these problems in most crops and as a basic feed for acid loving woody ornamentals and foliage plants. Commonly used as a foliar application or root feed on ornamentals, turf and nursery stock.

Best results are obtained by monitoring media pH on a regular basis during use of this formula. It will provide immediate but gentle nourishment in a form of application that can overcome and bypass other nutrient complications due to high soil pH problems, and because

amounts applied are tuned to the plants immediate needs there is minimal runoff or other environmental problems.

GENERAL DIRECTIONS

Mix one teaspoon per gallon of water. Apply solution liberally to base of plants, soaking the root area. For potted plants and hanging baskets etc. apply enough to create drainage through the pot. Wet foliage for fast acting leaf feeding. Repeat applications at every watering. Avoid applications during peak sunlight hours.

GREENHOUSE Suggested feeding rates for various crops range from 150 to 200 PPMN. These rates should be adjusted according to crop response. Use the Nitrogen PPM chart (below left) to determine how much fertilizer is required for each gallon of concentrate.

MIXING RATE FOR 100 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio-Premix 0.95 oz. per gallon (7.14 grams per liter).

TANK: 0.06 oz. per gallon (0.48 gram per liter).

PROPORTIONER: 1:100 ratio use 6.35 oz. per gal. of concentrate (48 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 PPMN according to crop response.

Guaranteed Analysis (For continuous liquid feeding)

21-7-7+	Percent	Lbs/Ton	Concentration
Total Nitrogen (N)	21%	420	200 PPM as N
14.00% Ammoniacal Nitrogen			
2.10% Nitrate Nitrogen			
4.90% Urea Nitrogen			
Available Phosphate (P ₂ O ₅)	7%	140	66 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	7%	140	66 PPM as K ₂ O
Sulfur (S)	10%	200	96 PPM as S
10% Combined Sulfur (S)			
Boron (B)	0.02%	0.4	0.1 PPM as B
Copper (Cu)	0.05%	1.0	0.4 PPM as Cu
0.05% Chelated Copper (Cu)			
Iron (Fe)	0.10%	2.0	0.9 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.0	0.4 PPM as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.018	0.01 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.4 PPM as Zn
0.05% Chelated Zinc (Zn)			

Derived from Ammonium Sulfate, Ammonium Phosphate, Potassium Nitrate, Urea, Borax, Sodium Molybdate; Copper, Iron, Manganese and Zinc EDTA. 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 1556 lbs. Calcium Carbonate per ton.

NITROGEN PARTS PER MILLION CHART

Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces required per gal of concentrate					
1:15	.48	.95	1.43	1.90	2.86	3.81
1:50	1.59	3.17	4.76	6.35	9.52	12.69
1:100	3.17	6.35	9.52	12.69	19.04	25.39
1:200	6.35	12.69	19.04	25.39	38.08	50.77
1:300	9.52	19.04	28.56	38.08	57.12	*

EC (+-10%) mmhos/cm .31 .61 .92 1.22 1.83 2.44

*Maximum solubility approx. 60 oz. per gallon

To Order Use Code:

25 lb Bag: 210707+A



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