

Acid Special

Acid Special 21-7-7^{PLUS} is 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

MIXING RATE FOR 100 PPM NITROGEN HOSE END SPRAYER: 1:15 ratio- 1.01 oz. per gal.
TANK: 1.58 oz. per 25 gals. **PROPORTIONER:** 1:100 ratio use 6.43 oz. per gal. of concentrate.
OTHER RATIOS: Multiply ratio times ounces divided by 100.
OTHER PPM: Multiply desired PPM times ounces divided by 100.

Guaranteed Analysis (For continuous liquid feeding)			
21-7-7+ Acid Special	Percent	Lbs/Ton	Concentration at 200 PPM
Total Nitrogen (N)	21%	420	200 PPM as N
13.94% Ammoniacal Nitrogen			
2.21% Nitrate Nitrogen			
4.85% Urea Nitrogen			
Available Phosphate (P ₂ O ₅)	7%	140	67 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	7%	140	67 PPM as K ₂ O
Sulfur (S)	14%	280	133 PPM as S
14% Combined Sulfur (S)			
Boron (B)	0.02%	0.40	0.19 PPM as B
Copper (Cu)	0.05%	1.0	0.48 PPM as Cu
0.05% Chelated Copper (Cu)			
Iron (Fe)	0.15%	3.0	1.43 PPM as Fe
0.15% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.0	0.48 PPM as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.02	0.010 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.48 PPM as Zn
0.05% Chelated Zinc (Zn)			
Derived from Ammonium Nitrate, Ammonium Phosphate, Ammonium Sulfate, Potassium Nitrate, Urea, Boric Acid, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese, and Zinc. Potential acidity equivalent to 1538 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	3.17	4.75	6.34	9.51
1:100	6.35	9.52	12.70	19.05
1:150	9.51	14.26	19.02	28.53
1:200	12.69	19.03	25.38	38.07
1:300	19.04	28.56	38.08	57.12
Based on 1/2 gallon per square foot coverage. Two Tablespoons equals One Ounce (approximately) One Cup equals One Pound (approximately)				

Conductivity of 21-7-7+ <i>using distilled water mixed at: (allow +/- 10%)</i>	
50 PPM Nitrogen =	.31 Millimhos/CM
100 PPM Nitrogen =	.61 Millimhos/CM
150 PPM Nitrogen =	.92 Millimhos/CM
200 PPM Nitrogen =	1.22 Millimhos/CM
300 PPM Nitrogen =	1.83 Millimhos/CM
400 PPM Nitrogen =	2.44 Millimhos/CM
500 PPM Nitrogen =	3.05 Millimhos/CM