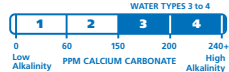


Peters® Professional



SKU# E99330

PRODUCT ANALYSIS AND RATES



21-7-7

ACID SPECIAL

Produce healthy acid-loving crops with this formula's high potential acidity that offsets high water alkalinity or lowers pH levels in growing media.

- C (Customizing) component can be used with a variety of B (Base) formulations
- Excellent choice for Water Types 3 and 4
- Contains a full range of essential micronutrients plus extra iron to promote greening

GUARANTEED ANALYSIS 21-7-7

Total nitrogen (N)	21%
10.4% ammoniacal nitrogen	
10.6% urea nitrogen	
Available phosphate (P ₂ O ₅)	7%
Soluble potash (K ₂ O)	7%
Magnesium (Mg)	0.6%
0.6% water soluble magnesium (Mg)	
Sulfur (S)	13.0%
13.0% combined sulfur (S)	
Boron (B)	0.0262%
Copper (Cu)	0.0262%
0.0262% chelated copper (Cu)	
Iron (Fe)	0.15%
0.15% chelated iron (Fe)	
Manganese (Mn)	0.05%
0.05% chelated manganese (Mn)	
Molybdenum (Mo)	0.01%
Zinc (Zn)	0.05%
0.05% chelated zinc (Zn)	

Derived from: Ammonium Phosphate, Ammonium Sulfate, Urea, Potassium Sulfate, Magnesium Sulfate, Boric Acid, Copper EDTA, Iron EDTA, Manganese EDTA, Ammonium Molybdate, Zinc EDTA

MIXING FOR WATERING CANS, SPRAY TANKS (NO INJECTORS)

Amount of Fertilizer*	Amount of Water (gallons)	Approx. ppm N
1 tsp	1	245
1 tbsp	2	368
1 cup	25	471

*level measurements

1 pound of fertilizer + 100 gallons of water = 251.7 ppm N

PRODUCT PROPERTIES

Potential Acidity	1518 lbs calcium carbonate equivalent per ton
Conductivity of 100 ppm N	0.52 mmhos/cm
Maximum Solubility	4 lbs/gal

WEIGHT (IN OUNCES) OF PRODUCT NEEDED TO MIX ONE GALLON OF CONCENTRATE

Target Fertilizer Concentration (N/ppm) After Dilution	Common Injector Ratios					EC (mmhos/cm) of Target Feed Rate After Dilution
	1:15	1:100	1:128	1:200	1:300	
25	0.2	1.6	2.1	3.2	4.8	0.13
50	0.5	3.2	4.1	6.4	9.6	0.26
75	0.7	4.8	6.2	9.6	14.5	0.39
100	1.0	6.4	8.2	12.9	19.3	0.52
125	1.2	8.0	10.3	16.1	24.1	0.65
150	1.4	9.6	12.3	19.3	28.9	0.78
175	1.7	11.3	14.4	22.5	33.8	0.91
200	1.9	12.9	16.5	25.7	38.6	1.04
250	2.4	16.1	20.6	32.2	48.2	1.30
300	2.9	19.3	24.7	38.6	57.9	1.56
350	3.4	22.5	28.8	45.0	***	1.82
400	3.9	25.7	32.9	51.4	***	2.08
450	4.3	28.9	37.0	57.9	***	2.34
500	4.8	32.2	41.2	***	***	2.60
600	5.8	38.6	49.4	***	***	3.12

*** Exceeds maximum solubility.

GALLONS OF WATER REQUIRED TO DISSOLVE ONE 25 LB BAG OF FERTILIZER

Target Fertilizer Concentration (N/ppm) After Dilution	Injector Ratios					EC (mmhos/cm) of Target Feed Rate After Dilution
	1:15	1:100	1:128	1:200	1:300	
25	1658.9	248.8	194.4	124.4	82.9	0.13
50	829.4	124.4	97.2	62.2	41.5	0.26
75	553.0	82.9	64.8	41.5	27.6	0.39
100	414.7	62.2	48.6	31.1	20.7	0.52
125	331.8	49.8	38.9	24.9	16.6	0.65
150	276.5	41.5	32.4	20.7	13.8	0.78
175	237.0	35.5	27.8	17.8	11.8	0.91
200	207.4	31.1	24.3	15.6	10.4	1.04
250	165.9	24.9	19.4	12.4	8.3	1.30
300	138.2	20.7	16.2	10.4	6.9	1.56
350	118.5	17.8	13.9	8.9	***	1.82
400	103.7	15.6	12.2	7.8	***	2.08
450	92.2	13.8	10.8	6.9	***	2.34
500	82.9	12.4	9.7	***	***	2.60
600	69.1	10.4	8.1	***	***	3.12

*** Exceeds maximum solubility.