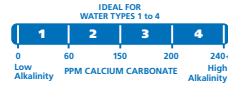


Peters® Professional



SKU# E99300

PRODUCT ANALYSIS AND RATES



GENERAL PURPOSE

Crops that are sensitive to excess micronutrients thrive with this classic formula with its acidifying action that corrects an overload of growing media pH.

- B (Base) formulation can be used alone or rotated with a C (Customizing) component
- Effective for all Water Types
- Contains a full range of essential micronutrients

GUARANTEED ANALYSIS **20-10-20**

Total nitrogen (N)	20%
8.0% ammoniacal nitrogen	
12.0% nitrate nitrogen	
Available phosphate (P ₂ O ₅)	10%
Soluble potash (K ₂ O)	20%
Magnesium (Mg)	0.15%
0.15% water soluble magnesium (Mg)	
Boron (B)	0.0125%
Copper (Cu)	0.0125%
0.0125% chelated copper (Cu)	
Iron (Fe)	0.05%
0.05% chelated iron (Fe)	
Manganese (Mn)	0.025%
0.025% chelated manganese (Mn)	
Molybdenum (Mo)	0.005%
Zinc (Zn)	0.025%
0.025% chelated zinc (Zn)	

Derived from: Ammonium Nitrate, Potassium Nitrate, Potassium Phosphate, 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	305
1 tbsp	2	457
1 cup	25	585

*level measurements

1 pound of fertilizer + 100 gallons of water = 239.7 ppm N

PRODUCT PROPERTIES	
Potential Acidity	404 lbs calcium carbonate equivalent per ton
Conductivity of 100 ppm N	0.62 mmhos/cm
Maximum Solubility	3.5 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	0.3	1.7	2.2	3.4	5.1	0.16
50	0.5	3.4	4.3	6.8	10.1	0.31
75	0.8	5.1	6.5	10.1	15.2	0.47
100	1.0	6.8	8.6	13.5	20.3	0.62
125	1.3	8.4	10.8	16.9	25.3	0.78
150	1.5	10.1	13.0	20.3	30.4	0.93
175	1.8	11.8	15.1	23.6	35.4	1.09
200	2.0	13.5	17.3	27.0	40.5	1.24
250	2.5	16.9	21.6	33.8	50.6	1.55
300	3.0	20.3	25.9	40.5	***	1.86
350	3.5	23.6	30.2	47.3	***	2.17
400	4.1	27.0	34.6	54.0	***	2.48
450	4.6	30.4	38.9	***	***	2.79
500	5.1	33.8	43.2	***	***	3.10
600	6.1	40.5	51.8	***	***	3.72

*** 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	1580.2	237.0	185.2	118.5	79.0	0.16
50	790.1	118.5	92.6	59.3	39.5	0.31
75	526.7	79.0	61.7	39.5	26.3	0.47
100	395.1	59.3	46.3	29.6	19.8	0.62
125	316.0	47.4	37.0	23.7	15.8	0.78
150	263.4	39.5	30.9	19.8	13.2	0.93
175	225.7	33.9	26.5	16.9	11.3	1.09
200	197.5	29.6	23.1	14.8	9.9	1.24
250	158.0	23.7	18.5	11.9	7.9	1.55
300	131.7	19.8	15.4	9.9	***	1.86
350	112.9	16.9	13.2	8.5	***	2.17
400	98.8	14.8	11.6	7.4	***	2.48
450	87.8	13.2	10.3	***	***	2.79
500	79.0	11.9	9.3	***	***	3.10
600	65.8	9.9	7.7	***	***	3.72

*** Exceeds maximum solubility.