Peters® Professional

SKU# E99240*

M-77® The Advanced Exclusive Chelating Formula

B Base Formulation™

IDEAL FOR WATER TYPES 1 to 4: 1 (0 Low Alkalinity), 2 (60), 3 (150), 4 (200–240+ High Alkalinity) — PPM CALCIUM CARBONATE

18-8-17

PEAT-LITE® HIGH MAG SPECIAL

Highly effective stand-alone fertilizer with extra magnesium to maintain deep green foliage.

- B (Base) formulation for constant, balanced nutrition
- Excellent stand-alone for Water Types 3 and 4; use as a base in Water Types 1 and 2
- Contains a complete range of essential micronutrients

* Available in Canada SKU # E99243

GUARANTEED ANALYSIS 18-8-17

Total nitrogen (N) 18%
7.3% ammoniacal nitrogen
10.7% nitrate nitrogen
Available phosphate (P_2O_5) 8%
Soluble potash (K_2O) 17%
Magnesium (Mg) 2.5%
2.5% water soluble magnesium (Mg)
Sulfur (S) 1.0%
1.0% combined sulfur (S)
Boron (B) 0.0225%
Copper (Cu) 0.0225%
0.0225% chelated copper (Cu)
Iron (Fe) 0.09%
0.09% chelated iron (Fe)
Manganese (Mn) 0.045%
0.045% chelated manganese (Mn)
Molybdenum (Mo) 0.009%
Zinc (Zn) 0.045%
0.045% chelated zinc (Zn)

Derived from: Ammonium Nitrate, Ammonium Phosphate, Potassium Nitrate, 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	267
1 tbsp	2	400
1 cup	25	512

*level measurements

1 pound of fertilizer + 100 gallons of water = 215.7 ppm N

PRODUCT PROPERTIES

Potential Acidity . . . . . 381 lbs calcium carbonate equivalent per ton
Conductivity of 100 ppm N . . . . . 0.65 mmhos/cm
Maximum Solubility . . . . . 3 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	1.9	2.4	3.8	5.6	0.16
50	0.6	3.8	4.8	7.5	11.3	0.33
75	0.8	5.6	7.2	11.3	16.9	0.49
100	1.1	7.5	9.6	15.0	22.5	0.65
125	1.4	9.4	12.0	18.8	28.1	0.81
150	1.7	11.3	14.4	22.5	33.8	0.98
175	2.0	13.1	16.8	26.3	39.4	1.14
200	2.3	15.0	19.2	30.0	45.0	1.30
250	2.8	18.8	24.0	37.5	***	1.63
300	3.4	22.5	28.8	45.0	***	1.95
350	3.9	26.3	33.6	***	***	2.28
400	4.5	30.0	38.4	***	***	2.60
450	5.1	33.8	43.2	***	***	2.93
500	5.6	37.5	48.0	***	***	3.25
600	6.8	45.0	***	***	***	3.90

*** 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	1422.2	213.3	166.7	106.7	71.1	0.16
50	711.1	106.7	83.3	53.3	35.6	0.33
75	474.1	71.1	55.6	35.6	23.7	0.49
100	355.6	53.3	41.7	26.7	17.8	0.65
125	284.4	42.7	33.3	21.3	14.2	0.81
150	237.0	35.6	27.8	17.8	11.9	0.98
175	203.2	30.5	23.8	15.2	10.2	1.14
200	177.8	26.7	20.8	13.3	8.9	1.30
250	142.2	21.3	16.7	10.7	7.1	1.63
300	118.5	17.8	13.9	8.9	***	1.95
350	101.6	15.2	11.9	***	***	2.28
400	88.9	13.3	10.4	***	***	2.60
450	79.0	11.9	9.3	***	***	2.93
500	71.1	10.7	8.3	***	***	3.25
600	59.3	8.9	***	***	***	3.90

*** Exceeds maximum solubility.