

**Guaranteed analysis**

Total Nitrogen (N) . . . . .	18%
7.5% Ammoniacal Nitrogen	
10.5% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . .	18%
Soluble Potash (K <sub>2</sub> O) . . . . .	18%
Boron (B) . . . . .	0.022%
Copper (Cu) . . . . .	0.022%
0.022% 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, Monopotassium Phosphate, Phosphoric Acid, Ammonium Phosphate, Potassium Nitrate, Boric Acid, Copper EDTA, Iron DTPA, Iron EDTA, Iron HBED, Manganese EDTA, Sodium Molybdate, Zinc EDTA

Concentration (ppm N) fertilizer	Average alkalinity reduction (ppm total alkalinity)
100	20
200	40
300	50
400	70

**Mix ratios (non-injector)**

Fertilizer	+	Water (gallons)	=	Approx. N (ppm)
1 tsp. (level)		1		276
1 tbsp. (level)		2		414
1 cup (level)		25		530
1 pound		100		252

**Product properties**

Potential acidity	505 lbs. calcium carbonate equivalent per ton
Conductivity (100 ppm N)	0.79 mmhos/cm.
Maximum solubility	4.3 lbs./gal.

**Weight (oz.) of product needed to mix one gallon of concentrate**

Target 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	0.3	1.9	2.4	3.8	
50	0.6	3.8	4.8	7.5	11.3	0.39
75	0.8	5.6	7.2	11.3	16.9	0.59
100	1.1	7.5	9.6	15.0	22.5	0.79
125	1.4	9.4	12.0	18.8	28.1	0.98
150	1.7	11.3	14.4	22.5	33.8	1.18
175	2.0	13.1	16.8	26.3	39.4	1.38
200	2.3	15.0	19.2	30.0	45.0	1.57
250	2.8	18.8	24.0	37.5	56.3	1.97
300	3.4	22.5	28.8	45.0	67.5	2.36
350	3.9	26.3	33.6	52.5	78.8	2.75
400	4.5	30.0	38.4	60.0	EMS	3.15
450	5.1	33.8	43.2	67.5	EMS	3.54
500	5.6	37.5	48.0	75.0	EMS	3.94
600	6.8	45.0	57.6	EMS	EMS	4.72

EMS = exceeds maximum solubility

**Gallons of water needed to dissolve one 25 lb. bag of fertilizer**

Target 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	
50	7111.1	106.7	83.3	53.3	35.6	0.39
75	474.1	71.1	55.6	35.6	23.7	0.59
100	355.6	53.3	41.7	26.7	17.8	0.79
125	284.4	42.7	33.3	21.3	14.2	0.98
150	237.0	35.6	27.8	17.8	11.9	1.18
175	203.2	30.5	23.8	15.2	10.2	1.38
200	177.8	26.7	20.8	13.3	8.9	1.57
250	142.2	21.3	16.7	10.7	7.1	1.97
300	118.5	17.8	13.9	8.9	5.9	2.36
350	101.6	15.2	11.9	7.6	5.1	2.75
400	88.9	13.3	10.4	6.7	EMS	3.15
450	79.0	11.9	9.3	5.9	EMS	3.54
500	71.1	10.7	8.3	5.3	EMS	3.94
600	59.3	8.9	6.9	EMS	EMS	4.72

EMS = exceeds maximum solubility