

**Guaranteed analysis**

Total Nitrogen (N) . . . . .	15%
1.1% Ammoniacal Nitrogen	
11.8% Nitrate Nitrogen	
2.1% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . .	5%
Soluble Potash (K <sub>2</sub> O) . . . . .	15%
Calcium (Ca) . . . . .	5.0%
Magnesium (Mg) . . . . .	2.0%
2.0% Water Soluble Magnesium (Mg)	
Boron (B) . . . . .	0.0187%
Copper (Cu) . . . . .	0.0187%
0.0187% Water Soluble Copper (Cu)	
Iron (Fe) . . . . .	0.075%
0.075% Chelated Iron (Fe)	
Manganese (Mn) . . . . .	0.0375%
0.0375% Water Soluble Manganese (Mn)	
Molybdenum (Mo) . . . . .	0.0075%
Zinc (Zn) . . . . .	0.0375%
0.0375% Water Soluble Zinc (Zn)	

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

**Mix ratios (non-injector)**

Fertilizer	+	Water (gallons)	=	Approx. N (ppm)
1 tsp. (level)		1		194
1 tbsp. (level)		2		291
1 cup (level)		25		372
1 pound		100		180

**Product properties**

Potential basicity	131 lbs. calcium carbonate equivalent per ton
Conductivity (100 ppm N)	0.85 mmhos/cm.
Maximum solubility	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	2.3	2.9	4.5	
50	0.7	4.5	5.8	8.9	13.5	1.20
75	1.0	6.8	8.6	13.5	20.3	0.52
100	1.3	8.9	11.5	17.8	27.0	2.26
125	1.7	11.3	14.4	22.5	33.8	0.86
150	2.0	13.5	17.3	27.0	40.5	1.04
175	2.4	15.8	20.2	31.5	47.3	1.21
200	2.7	17.8	23.0	35.6	EMS	4.26
250	3.4	22.5	28.8	45.0	EMS	1.73
300	4.0	26.7	34.6	EMS	EMS	6.08
350	4.7	31.5	40.3	EMS	EMS	2.42
400	5.4	36.0	46.1	EMS	EMS	2.76
450	6.1	40.5	EMS	EMS	EMS	3.11
500	6.8	45.0	EMS	EMS	EMS	3.45
600	8.1	EMS	EMS	EMS	EMS	4.14

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	1185.2	177.8	138.9	88.9	
50	592.6	88.9	69.4	44.4	29.6	0.35
75	395.1	59.3	46.3	29.6	19.8	0.52
100	296.3	44.4	34.7	22.2	14.8	0.69
125	237.0	35.6	27.8	17.8	11.9	0.86
150	197.5	29.6	23.1	14.8	9.9	1.04
175	169.3	25.4	19.8	12.7	8.5	1.21
200	148.1	22.2	17.4	11.1	EMS	1.38
250	118.5	17.8	13.9	8.9	EMS	1.73
300	98.8	14.8	11.6	EMS	EMS	2.07
350	84.7	12.7	9.9	EMS	EMS	2.42
400	74.1	11.1	8.7	EMS	EMS	2.76
450	65.8	9.9	EMS	EMS	EMS	3.11
500	59.3	8.9	EMS	EMS	EMS	3.45
600	49.4	EMS	EMS	EMS	EMS	4.14

EMS = exceeds maximum solubility