

**Guaranteed analysis**

Total Nitrogen (N) . . . . .	24%
5.0% Ammoniacal Nitrogen	
4.7% Nitrate Nitrogen	
14.3% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . .	8%
Soluble Potash (K <sub>2</sub> O) . . . . .	16%
Magnesium (Mg) . . . . .	0.65%
0.35% Water Soluble Magnesium (Mg)	
Sulfur (S) . . . . .	4.7%
2.0% Combined Sulfur (S)	
Boron (B) . . . . .	0.015%
Copper (Cu) . . . . .	0.015%
0.015% Chelated Copper (Cu)	
Iron (Fe) . . . . .	0.085%
0.06% Chelated Iron (Fe)	
Manganese (Mn) . . . . .	0.03%
0.03% Chelated Manganese (Mn)	
Molybdenum (Mo) . . . . .	0.006%
Zinc (Zn) . . . . .	0.03%
0.03% Chelated Zinc (Zn)	

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

**Mix ratios (non-injector)**

Fertilizer	+	Water (gallons)	=	Approx. N (ppm)
1 tsp. (level)		1		285
1 tbsp. (level)		2		428
1 cup (level)		25		548

**Product properties**

Potential basicity	870.16 lbs. calcium carbonate equivalent per ton
Conductivity (100 ppm N)	0.42 mmhos/cm.
Maximum solubility	3.5 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	0.2	1.4	1.8	2.8	
50	0.4	2.8	3.6	5.6	8.3	0.21
75	0.6	4.2	5.3	8.3	12.5	0.32
100	0.8	5.6	7.1	11.1	16.7	0.42
125	1.0	7.0	8.9	13.9	20.9	0.53
150	1.3	8.3	10.7	16.7	25.0	0.63
175	1.5	9.7	12.5	19.5	29.2	0.74
200	1.7	11.1	14.2	22.3	33.4	0.84
250	2.1	13.9	17.8	27.8	41.7	1.05
300	2.5	16.7	21.4	33.4	50.1	1.26
350	2.9	19.5	24.9	38.9	EMS	1.47
400	3.3	22.3	28.5	44.5	EMS	1.68
450	3.8	25.0	32.0	50.1	EMS	1.89
500	4.2	27.8	35.6	55.6	EMS	2.10
600	5.0	33.4	42.7	EMS	EMS	2.52

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	1917.4	287.6	224.7	143.8	
50	958.7	143.8	112.3	71.9	47.9	0.21
75	639.1	95.9	74.9	47.9	32.0	0.32
100	479.4	71.9	56.2	36.0	24.0	0.42
125	383.5	57.5	44.9	28.8	19.2	0.53
150	319.6	47.9	37.4	24.0	16.0	0.63
175	273.9	41.1	32.1	20.5	13.7	0.74
200	239.7	36.0	28.1	18.0	12.0	0.84
250	191.7	28.8	22.5	14.4	9.6	1.05
300	159.8	24.0	18.7	12.0	8.0	1.26
350	137.0	20.5	16.0	10.3	EMS	1.47
400	119.8	18.0	14.0	9.0	EMS	1.68
450	106.5	16.0	12.5	8.0	EMS	1.89
500	95.9	14.4	11.2	7.2	EMS	2.10
600	79.9	12.0	9.4	EMS	EMS	2.52

EMS = exceeds maximum solubility