

**Guaranteed analysis**

Total Nitrogen (N) . . . . .	21%
14% Ammoniacal Nitrogen	
7% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . .	7%
Soluble Potash (K <sub>2</sub> O) . . . . .	7%
Magnesium (Mg) . . . . .	0.4%
0.4% Water Soluble Magnesium (Mg)	
Sulfur (S) . . . . .	10%
10% Combined Sulfur (S)	
Boron (B) . . . . .	0.027%
Copper (Cu) . . . . .	0.027%
0.027% Chelated Copper (Cu)	
Iron (Fe) . . . . .	0.161%
0.161% Chelated Iron (Fe)	
Manganese (Mn) . . . . .	0.051%
0.051% Chelated Manganese (Mn)	
Molybdenum (Mo) . . . . .	0.0106%
Zinc (Zn) . . . . .	0.055%
0.055% Chelated Zinc (Zn)	

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

**Instructions**

Dilute fertilizer in water using the mixing chart below. When trying to reduce the pH of high pH growing media, apply at 200 to 300 ppm nitrogen. Test pH after a few days and reapply if needed.

IMPORTANT: Do not mix in the same stock tank with calcium containing fertilizers. Do not use with pure irrigation water (alkalinity vless than 100 ppm).

Concentration (ppm N) fertilizer	Average alkalinity reduction (ppm total alkalinity)
100	106
200	119
300	130
400	141

**Product properties**

Potential acidity	1,218 lbs. calcium carbonate equivalent per ton
Conductivity (100 ppm N)	0.85 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	1.6	2.1	3.2	
50	0.5	3.2	4.1	6.4	9.6	0.43
75	0.7	4.8	6.2	9.6	14.5	0.64
100	1.0	6.4	8.2	12.9	19.3	0.85
125	1.2	8.0	10.3	16.1	24.1	1.06
150	1.4	9.6	12.3	19.3	28.9	1.28
175	1.7	11.3	14.4	22.5	33.8	1.49
200	1.9	12.9	16.5	25.7	38.6	1.70
250	2.4	16.1	20.6	32.2	48.2	2.13
300	2.9	19.3	24.7	38.6	EMS	2.55
350	3.4	22.5	28.8	45.0	EMS	2.98
400	3.9	25.7	32.9	51.4	EMS	3.40
450	4.3	28.9	37.0	EMS	EMS	3.83
500	4.8	32.2	41.2	EMS	EMS	4.25
600	5.8	38.6	49.4	EMS	EMS	5.10

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	1658.9	248.8	194.4	124.4	
50	829.4	124.4	97.2	62.2	41.5	0.43
75	553.0	82.9	64.8	41.5	27.6	0.64
100	414.7	62.2	48.6	31.1	20.7	0.85
125	331.8	49.8	38.9	24.9	16.6	1.06
150	276.5	41.5	32.4	20.7	13.8	1.28
175	237.0	35.5	27.8	17.8	11.8	1.49
200	207.4	31.1	24.3	15.6	10.4	1.70
250	165.9	24.9	19.4	12.4	8.3	2.13
300	138.2	20.7	16.2	10.4	EMS	2.55
350	118.5	17.8	13.9	8.9	EMS	2.98
400	103.7	15.6	12.2	7.8	EMS	3.40
450	92.2	13.8	10.8	EMS	EMS	3.83
500	82.9	12.4	9.7	EMS	EMS	4.25
600	69.1	10.4	8.1	EMS	EMS	5.10

EMS = exceeds maximum solubility