21-5-20
Multi-Purpose / No Boron
G99152

Peters® Excel

Guaranteed analysis

Total Nitrogen (N) 21%
7.2% Ammoniacal Nitrogen
12.7% Nitrate Nitrogen
1.1% Urea Nitrogen
Available Phosphate (P_2O_5) 5%
Soluble Potash (K_2O) 20%
Copper (Cu) 0.0262%
0.0262% Water Soluble Copper (Cu)
Iron (Fe) 0.105%
0.105% Chelated Iron (Fe)
Manganese (Mn) 0.0525%
0.0525% Water Soluble Manganese (Mn)
Molybdenum (Mo) 0.0105%
Zinc (Zn) 0.0525%
0.0525% Water Soluble Zinc (Zn)

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

Mix ratios (non-injector)

Fertilizer	+	Water (gallons)	=	Approx. N (ppm)
1 tsp. (level)		1		320
1 tbsp. (level)		2		480
1 cup (level)		25		614
1 pound		100		252

Product properties

Potential acidity	377 lbs. calcium carbonate equivalent per ton
Conductivity (100 ppm N)	0.643 mmhos/cm.
Maximum solubility	4 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	4.8	0.16
50	0.5	3.2	4.1	6.4	9.6	0.32
75	0.7	4.8	6.2	9.6	14.5	0.47
100	1.0	6.4	8.2	12.9	19.3	0.63
125	1.2	8.0	10.3	16.1	24.1	0.79
150	1.4	9.6	12.3	19.3	28.9	0.95
175	1.7	11.3	14.4	22.5	33.8	1.10
200	1.9	12.9	16.5	25.7	38.6	1.26
250	2.4	16.1	20.6	32.2	48.2	1.58
300	2.9	19.3	24.7	38.6	57.9	1.89
350	3.4	22.5	28.8	45.0	EMS	2.21
400	3.9	25.7	32.9	51.4	EMS	2.52
450	4.3	28.9	37.0	57.9	EMS	2.84
500	4.8	32.2	41.2	EMS	EMS	3.15
600	5.8	38.6	49.4	EMS	EMS	3.78

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	82.9	0.16
50	829.4	124.4	97.2	62.2	41.5	0.32
75	553.0	82.9	64.8	41.5	27.6	0.47
100	414.7	62.2	48.6	31.1	20.7	0.63
125	331.8	49.8	38.9	24.9	16.6	0.79
150	276.5	41.5	32.4	20.7	13.8	0.95
175	237.0	35.5	27.8	17.8	11.8	1.10
200	207.4	31.1	24.3	15.6	10.4	1.26
250	165.9	24.9	19.4	12.4	8.3	1.58
300	138.2	20.7	16.2	10.4	6.9	1.89
350	118.5	17.8	13.9	8.9	EMS	2.21
400	103.7	15.6	12.2	7.8	EMS	2.52
450	92.2	13.8	10.8	6.9	EMS	2.84
500	82.9	12.4	9.7	EMS	EMS	3.15
600	69.1	10.4	8.1	EMS	EMS	3.78

EMS = exceeds maximum solubility

ICL