



Cal-Mag 17-5-17 PLUS With 4% Calcium and 1% Magnesium

- **NPK Ca Mg and trace elements all in one mix**
- **High nitrate N**

This Cal Mag Special formula is probably very close to being the perfect fertilizer all in one bag. It contains all the major, secondary and minor elements almost any crop would need. NPK, calcium, magnesium, six trace elements and a very high ratio of nitrogen in nitrate

form. The calcium to magnesium ratio is perfectly proportioned so that they will not impede one another's uptake by acting as antagonists. And while slightly on the acid side, this formula allows the delivery of these essential cations without a major impact on media pH.

Guaranteed Analysis (For continuous liquid feeding)

17-5-17+	Percent	Lbs/Ton	Concentration at
Total Nitrogen (N)	17%	340	200 PPM as N
4.33% Ammoniacal Nitrogen			
12.67% Nitrate Nitrogen			
Available Phosphate (P ₂ O ₅)	5%	100	58.82 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	17%	340	200 PPM as K ₂ O
Calcium (Ca)	4.0%	80	48.20 PPM as Ca
Magnesium (Mg)	1.0%	22	13.2 PPM as Mg
1.0% Water soluble Magnesium			
Boron (B)	0.02%	0.4	0.24 PPM as B
Copper (Cu)	0.02%	0.4	0.24 PPM as Cu
0.02% Chelated Copper (Cu)			
Iron (Fe)	0.10%	2.0	1.2 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1	.59 PPM as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0007%	0.014	0.008 PPM as Mo
Zinc (Zn)	0.05%	1	0.59 PPM as Zn
0.05% Chelated Zinc (Zn)			

Derived from Ammonium Nitrate, Potassium Nitrate, Monopotassium Phosphate, Calcium Nitrate, Magnesium Nitrate, Borax, Sodium Molybdate, Iron EDTA, Copper EDTA, Manganese EDTA and Zinc EDTA. CAUTION: This fertilizer is to be used on crops which responds to molybdenum. Crops high in molybdenum are toxic to grazing animals. Potential acidity is equal to 53 pounds calcium carbonate per ton.

MIXING RATE FOR 200 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio-Premix 2.35 oz. per gallon (17.65 grams per liter).

TANK: 0.16 oz. per gallon (1.18 grams per liter).

PROPORTIONER: 1:100 ratio use 15.68 oz. per gal. of concentrate (118 grams per liter).

OTHER RATIOS: Multiply ratio times weight divided by 100.

OTHER PPM: Multiply desired PPM times weight divided by 100.

Increase or decrease PPMN according to crop response.

Available in standard 25 lb bag and 5 lb bags packed 6 per case.

To Order Use Code:

25 lb Bag: 170517+

Case 6X5lb bgs PM5170517

NITROGEN PARTS PER MILLION CHART

Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces required per gal of concentrate					
1:15	0.59	1.18	1.76	2.35	3.53	4.7
1:50	1.96	3.92	5.88	7.84	11.88	15.68
1:100	3.92	7.84	11.76	15.68	23.50	31.36
1:200	7.84	15.68	23.52	31.36	47.0	62.72
1:300	11.76	23.52	35.28	47.04	*	*

Conductivity .34 .68 1.01 1.37 2.04 2.74
(+ - 10%) mmhos/cm

*Maximum solubility approx. 3 lbs 8 ozs. per gallon