



# Cal-Mag GP 20-5-20 PLUS

With 2% Calcium and .25% Magnesium

- **Contains phosphorus, calcium and magnesium all in one feed.**
- **Chelated trace elements**
- **High nitrate nitrogen**

The GP stands for general purpose because this is probably one of the most useful nutritional blends ever developed. It can be used as a general feed for a variety of crops. Two thirds of its nitrogen is in the nitrate form making it an acceptable fertilizer for crops responsive to nitrate nitrogen during low light periods. The reduced amount of phosphorous will provide for greater

control of inter nodal stretch and it is an excellent alternative to 20-10-20 that will provide other needed nutrients without pushing excessive growth. It is also an ideal source of calcium as well as some magnesium that is immediately available. It will maintain solubility in the concentrate tank when additional calcium nitrate and/or magnesium nitrate are added. Proper balance of Ca, Mg, and K permits better utility of N. To avoid calcium precipitation do not mix with materials that contain phosphates or sulfates.

Cal-Mag GP was designed for growers with relatively pure water as an ammonium based feed containing calcium and magnesium. This material dissolves completely in tap water or well water. It will dissolve almost instantly in hot water. Its ability to stay in solution without precipitation makes it ideal for applying by tank, spray rig, or through all injector systems and even the finest misting nozzles.

### Guaranteed Analysis (For Continuous Liquid Feed)

20-5-20+	Percentage	Lbs.Per	Concentration
Total Nitrogen	20%	400	200 PPM of N
6.67% Ammoniacal N			
13.33% Nitrate Nitrogen			
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5%	100	50 PPM of P <sub>2</sub> O <sub>5</sub>
Soluble Potash (K <sub>2</sub> O)	20%	400	200 PPM of K <sub>2</sub> O
Calcium (Ca)	2.0%	40	20.9 PPM of Ca
Magnesium (Mg)	0.25%	5	2.6 PPM of Mg
Boron (B)	0.02%	0.4	0.2 PPM of B
Copper (Cu)	0.05%	1	0.5 PPM of Cu
0.05% Chelated Copper (Cu)			
Iron (Fe)	0.10%	2	1.04 PPM of Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1	0.5 PPM of Mn
0.05% Chelated Manganese (Mn))			
Molybdenum (Mo)	0.002%	0.04	0.03 PPM of Mo
Zinc (Zn)	0.05%	1	0.51 PPM of Zn
0.05% Chelated Zinc (Zn)			

Derived from Ammonium Nitrate, Potassium Phosphate, Potassium Nitrate, Calcium Nitrate, Magnesium Nitrate, Borax, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese and Zinc. CAUTION: This fertilizer is to be used on soils which responds to molybdenum. Crops high in molybdenum are toxic to grazing animals. Potential Acidity equivalent to 235 lbs. Calcium Carbonate per ton

### MIXING RATE FOR 100 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio-Premix 1 oz. per gallon (7.5 grams per liter).  
 TANK: 0.07 oz. per gallon (0.5 gram per liter).  
 PROPORTIONER: 1:100 ratio use 6.66 oz. per gal. of concentrate (50 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.

### NITROGEN PARTS PER MILLION CHART

Parts per Million	50	100	150	200	300	400
<b>Injector Ratios</b>	Ounces required per gal of concentrate					
<b>1:15</b>	0.5	1	1.5	2	3	4
<b>1:50</b>	1.67	3.33	5	6.66	10	13.33
<b>1:100</b>	3.33	6.66	10	13.33	19.99	26.66
<b>1:200</b>	6.66	13.33	19.99	26.66	39.98	53.3
<b>1:300</b>	10.0	19.99	29.99	39.98	59.98	*

EC (+ - 10%) mmhos/cm .33 .65 .98 1.3 1.96 2.62

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

### To Order Use Code:

25 lb Bag: 200520+

