



**Vegetable Cal-Mag 14-5-22**  
**With 4.1% Calcium & 1.22% Magnesium**

- **NPK and micros blended for wide range of vegetable crops.**
- **Increased Iron in two chelated forms.**

provide solid root growth, strengthened xylem for nutrient transport through the plant, and healthy chloroplast for light energy converting to chemical energy, this formula should deliver a robust and healthy crop. There is increased boron to promote better flower development and increased fruit set that should produce large and healthy fruit that has good shelf life.

This product should be used in accordance with the Nutriculture Vegetable Growers Product Guide for the specific crops grown and feeding rate should be adjusted to stage of growth and growing conditions being ex-

This analysis was specifically designed to meet the nutritional needs of field grown vegetable crops when the irrigation waters already supply 60 PPM or more of calcium. The additional calcium supplied by this formula should be adequate to prevent calcium related deficiency such as blossom end rot. For water with less than 60 PPM calcium consider using Nutriculture 12-5-19 with 7.8% calcium.

With elevated calcium, potassium and magnesium to

perienced. Contact your dealer or go on the web to [www.plantmarvel.com](http://www.plantmarvel.com) or seek advice from your local extension agent.

**CAUTION:** Some micro nutrient levels may be in excess at heavier feed rates.

**MIXING RATE FOR 100 PPM NITROGEN**

**HOSE END SPRAYER:** 1:15 ratio-Premix 1.33 oz. in 1 gallon (10 grams per liter).

**TANK:** 0.09 oz. per gallon (0.67 grams per liter).

**PROPORTIONER:** 1:100 ratio use 8.89 oz. per gal. of concentrate (67 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 PPM according to crop response.

For Continuous Liquid Feeding

**Guaranteed Analysis**

14-5-22	Percent	Lbs/Ton	Concentration
Total Nitrogen (N)	14%	280	200 PPM as N
2.34% Ammoniacal Nitrogen			
11.66% Nitrate Nitrogen			
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5%	100	71.4 PPM as P <sub>2</sub> O <sub>5</sub>
Soluble Potash (K <sub>2</sub> O)	22%	440	314.3 PPM as K <sub>2</sub> O
Calcium (Ca)	4.1%	82.1	58.6 PPM as Ca
Magnesium (Mg)	1.22%	24.4	17.4 PPM as Mg
1.22% Water Soluble Magnesium (Mg)			
Boron (B)	0.03%	0.6	0.43 PPM as B
Copper (Cu)	0.02%	0.52	0.37 PPM as Cu
0.02% Chelated Copper (Cu)			
Iron (Fe)	0.15%	3.1	2.23 PPM as Fe
0.15% Chelated Iron (Fe)			
Manganese (Mn)	0.07%	1.3	0.93 PPM as Mn
0.07% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0079%	0.158	0.11 PPM as Mo
Zinc (Zn)	0.05%	1.02	0.73 PPM as Zn
0.05% Chelated Zinc (Zn)			

Derived from Ammonium Nitrate, Monopotassium Phosphate, Potassium Nitrate, Calcium Nitrate, Magnesium Nitrate, Borax, Sodium Molybdate and Copper EDTA, Iron EDTA, Iron DTPA, Manganese EDTA, and Zinc EDTA.

Potential basicity equivalent to 127 lbs. Calcium Carbonate per ton.

**CAUTION:** This fertilizer is to be used on crops which responds to molybdenum. Crops high in molybdenum are toxic to grazing animals.

**CAUTION:** Contains Boron. Do not use on Boron sensitive crops. Use only according to manufactures directions.

**NITROGEN PARTS PER MILLION CHART**

Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces required per gal of concentrate					
1:15	.67	1.33	2.00	2.67	4.00	5.33
1:50	2.23	4.45	6.67	8.89	13.34	17.78
1:100	4.45	8.89	13.34	17.78	26.67	35.56
1:200	8.90	17.78	26.68	35.56	53.34	*
1:300	13.35	26.67	40.02	53.34	*	*

EC (+ - 10%) mmhos/cm .35 .70 1.05 1.40 2.10 2.80

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

**To Order Use Code:**

25 lb Bag: 140522+

