



**High Cal-Mag Vegetable 12-5-19
With 7.6% Calcium & 1.3% Magnesium**

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

This high calcium analysis was specifically designed to meet the nutritional needs of field grown vegetable crops when the irrigation waters require a heavy supplement of calcium.. The additional calcium supplied by this formula will be adequate to prevent calcium related deficiency such as blossom end rot. For water with at least 60 PPM Calcium consider using Nutriculture 14-5-22 with 4.1% Calcium.

With elevated calcium, potassium and magnesium to provide solid root growth, strengthened xylem for nutrient transport through the plant, and healthy chloroplast for light energy converting to chemical energy, this formula will 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 experienced. Contact your dealer or go on the web to www.plantmarvel.com or seek advice from your local extension agent.

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

For Continuous Liquid Feeding			
Guaranteed Analysis			
12-5-19	Percent	Lbs/Ton	Concentration at
Total Nitrogen (N)	12%	240	200 PPM as N
0.32% Ammoniacal Nitrogen			
11.68% Nitrate Nitrogen			
Available Phosphate (P ₂ O ₅)	5%	100	83.33 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	19%	380	316.67 PPM as K ₂ O
Calcium (Ca)	7.6%	153.2	127.67 PPM as Ca
Magnesium (Mg)	1.31%	26.4	22 PPM as Mg
1.31% Water Soluble Magnesium (Mg)			
Boron (B)	0.03%	0.6	0.5 PPM as B
Copper (Cu)	0.03%	0.6	0.5 PPM as Cu
0.03% Chelated Copper (Cu)			
Iron (Fe)	0.15%	3.12	2.6 PPM as Fe
0.15% Chelated Iron (Fe)			
Manganese (Mn)	0.07%	1.4	1.17 PPM as Mn
0.07% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.007%	0.14	0.118 PPM as Mo
Zinc (Zn)	0.042%	0.84	0.07 PPM as Zn
0.042% Chelated Zinc (Zn)			

Derived from Ammonium Nitrate, Potassium Phosphate, Potassium Nitrate, Magnesium Nitrate, Calcium Nitrate, Borax, Sodium Molybdate Copper EDTA, Iron in a 75-25 ratio of EDTA and DTPA, Manganese EDTA, and Zinc EDTA. Potential basicity equivalent to 326 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.

MIXING RATE FOR 100 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio- Premix 1.67 oz. in 1 gallon (12.5 grams per liter).

TANK: 0.11 oz. per gallon (0.83 grams per liter).

PROPORTIONER: 1:100 ratio use 11.11 oz. per gal. of concentrate (83 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.

To Order Use Code:

25 lb Bag: 120519+

NITROGEN PARTS PER MILLION CHART

Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces	required	per	gal	of	concentrate
1:15	0.83	1.67	2.5	3.33	5	6.66
1:50	2.78	5.55	8.33	11.11	16.66	22.21
1:100	5.55	11.11	16.66	22.21	33.32	44.43
1:200	11.11	22.21	33.32	44.43	*	*
1:300	16.66	33.32	49.98	*	*	*

EC (+/- 10%) mmhos/cm. .35 1.07 1.43 2.14 2.86

*Maximum solubility approx. 60 oz. per gallon



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