

# PrimeraOne<sup>®</sup>

Water Soluble Fertilizer

# 14-0-15

## K Cal Mag Plus

### PRODUCT DESCRIPTION:

Formula is ideal for cool, low light growing conditions, such as greenhouses in winter time in northern climates. This high nitrate formula is an excellent source of readily available calcium and magnesium. Useful in plug production when controlling phosphorus levels to avoid stretch. Basic pH reaction in growing media.

### GUARANTEED ANALYSIS:

Total Nitrogen (N) .....	14%
0.5% Ammoniacal Nitrogen	
13.5% Nitrate Nitrogen	
Soluble Potash (K <sub>2</sub> O) .....	15%
Calcium (Ca) .....	10.0%
Magnesium (Mg) .....	1.0%
1.0% Water Soluble Magnesium (Mg)	
Boron (B) .....	0.01%
Copper (Cu).....	0.01%
0.01% Chelated Copper (Cu)	
Iron (Fe) .....	0.20%
0.20% Chelated Iron (Fe)	
Manganese (Mn) .....	0.06%
0.06% Chelated Manganese (Mn)	
Molybdenum (Mo) .....	0.01%
Zinc (Zn) .....	0.02%
0.02% Chelated Zinc (Zn)	

### DERIVED FROM:

Potassium Nitrate, Calcium Nitrate, Magnesium Nitrate, Iron EDTA, Iron EDDHA, Copper EDTA, Zinc EDTA, Manganese EDTA, Boric Acid, Sodium Molybdate. F1367

**POTENTIAL BASICITY:** 400 lbs calcium carbonate equivalent per ton.

MANUFACTURED FOR:

Primera, Inc.  
2065 Lamberton Road  
Cleveland Heights, OH 44118  
Phone: 216-397-0590

**SOLUBILITY (max.):** 2.5 lbs per gallon.

**Fertilizer required per volume of concentrate, 14-0-15 (for continuous liquid feed programs):**

ppm N	50	75	100	200
E.C. mS/cm	0.37	0.6	0.75	1.5
injector ratio	ounces/gal			
<b>15 (hazon)</b>	0.72	1.07	1.43	2.86
<b>50</b>	2.39	3.58	4.77	9.54
<b>100</b>	4.77	7.16	9.54	19.08
<b>128</b>	6.11	9.16	12.21	24.42
<b>200</b>	9.54	14.30	19.07	38.14

E.C. values are approximate. Use E.C. levels to verify appropriate feeding level from the injector. Adjust for the E.C. of the irrigation water.

### USE SUGGESTIONS:

Do not combine with phosphorous containing fertilizers in concentrated solutions (with injectors), as precipitation may occur.

### Drip irrigation feeding:

### Plugs, Flowers, and Bedding Plants:

- For plugs feed at 50 to 150 ppm once per week depending on growth stage.
- For vegetable transplants, bedding plants and cut flowers, feed at 100 to 200 ppm N with constant liquid feeding. Use 200 to 400 ppm N for pulse feeding.
- Mums, Lilies, Geraniums, Poinsettia: feed at 200 to 300 ppm N with constant liquid feeding; 350 - 400 with pulse.

### Greenhouse/Nursery:

5-10 lbs per 100 gal of water per acre on plants, trees, ALL Palm varieties, shrubs, and flowering vines.

**General Use:** Spray 5 to 10 lbs per acre as a foliar application to supplement nutrients available from fertilizers applied to soil.

**Aerial Application:** Can be mixed at rate of 1 pound per gallon of water per acre.

**Backpack Sprayer:** 1 TBSP per gallon.

**Mixing:** Add to mix or spray tank when it is about half full then continue to fill.

### Turf and Landscape:

**Pulse Feeding:** Use 1/8 to 1/4 lb. of nitrogen (N) per 1000 square feet every week to ten days or as needed. Rate and amount of water needed will depend on soil moisture levels, turf species and weather conditions. Avoid spraying during hot, bright light conditions or when turf is drought stressed.

Lbs N / 1000 Ft <sup>2</sup>	1/8	1/4	1/2	1
Ounces / 1000 Ft <sup>2</sup>	14	28	57	114

- Turf and Fairways - Apply once a week for maximum growth or once a month to maintain fertility.
- Greens and Tees - Apply once a week.

### Sprayer Application:

- Sprayer application is normally 1 pound of product in 5 to 20 gallons of water.
- Concentrated Sprayer Solution: This formula may be applied in a concentrated solution of 1 pound of product to 2 or 3 gallons of water, with thorough irrigation immediately after application to rinse off leaf surface. Fertilizer burn and turf damage may occur if concentrated fertilizer solutions are left on the leaf surface too long.



### DANGER

May intensify fire; oxidizer. Harmful if swallowed. Causes serious eye damage.

Keep away from flammable / combustible / reducing materials. Wear eye protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. In case of fire: use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water. IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. Dispose of contents/container according to local/state/federal regulations.

IN CASE OF EMERGENCY CALL CHEMTREC For Hazardous Materials [or Dangerous Goods] Incidents **ONLY** (spill, leak, fire, exposure or accident) 1-800-424-9300

For additional information, see Safety Data Sheet (SDS) for this product

**Net Weight: 25 lbs (11.35 kg)**