



# 15-0-40

## Potassium Nitrate Plus

### PRODUCT DESCRIPTION:

Major ingredient is hydroponic grade potassium nitrate. Includes a chelated micronutrient package. High in potash and is an excellent late season fertilizer that will help strengthen greens to increase resistance to frost and disease.

### GUARANTEED ANALYSIS:

Total Nitrogen (N) .....	15%
0.5 % Ammoniacal Nitrogen	
12.0 % Nitrate Nitrogen	
2.5 % Urea Nitrogen	
Soluble Potash (K <sub>2</sub> O) .....	40%
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, Ammonium Sulfate, Urea, Iron EDTA, Iron EDDHA, Copper EDTA, Zinc EDTA, Manganese EDTA, Boric Acid, Sodium Molybdate. F1367

**POTENTIAL BASICITY:** 520 lbs calcium carbonate equivalent per ton.

**SOLUBILITY (max.):** 1 lb per gallon in cold water.  
Hot water and agitation improve solubility.

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

### USE SUGGESTIONS:

**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:** PrimeraOne Water Soluble Fertilizers are concentrated dry fertilizers which must be dissolved in water to prepare for application. Once in solution it is immediately available to the turfgrass. PrimeraOne Water Soluble Fertilizers obtain best results with a Pulse Feeding program which is comprised of measured and frequent applications (or pulses) which will promote uniform and consistent growth by providing optimum nutrition over the growing season. The Pulse Feeding method is superior to single heavy fertilization applications because Pulse Feeding provides a more constant and uniform level of available plant nutrients at the desired levels.

**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>	13	27	53	107

- 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.

Fertigation is the injection of a fertilizer solution through the irrigation system which will provide nutrients during the irrigation cycle. Use maximum of one pound of product per gallon of stock solution. The recommended feeding rate is 200 to 400 ppm (N) nitrogen, depending on desired response. Adjust nitrogen ppm levels accordingly.

ppm N	100	200	300	400
EC(mS/cm)	0.85	1.71	2.56	3.41

**Soil Testing:** A complete soil analysis will indicate any potential problem areas such as pH, or a deficiency or excess of specific nutrients. PrimeraOne Water Soluble Fertilizers are formulated to cover a broad range of soil conditions and the nutritional needs of most commonly used turfgrasses. However, abnormal soil conditions often need corrective action such as liming, etc. to insure maximum benefit from the fertilizer program.

**Compatibility:** Do not combine this material with fertilizers containing calcium or magnesium in spray tank as precipitation and clogging may occur. When using with other products such as herbicides and pesticides in same tank always perform a "jar" test in advance of making tank mix by making a small batch of materials to be used in a small clear container and observe for formation of any material that could clog screens or spray nozzles.

### WARNING

May intensify fire; oxidizer.  
Keep away from flammable / combustible / reducing materials. Wear eye protection. In case of fire: use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water. 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

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