



# PLANT FOOD COMPANY, INC.

## The Liquid Fertilizer Experts

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- Weight per gallon: 12.31 lbs.
- pH: 6.9 - 7.0
- Available Container Sizes:
  - 2 x 2.5 gallon case
  - 30 gallon drum
  - 55 gallon drum
  - 275 gallon Tote tank

# Phosphite 30

0-30-27

## Foliar Phosphite Liquid Fertilizer

### GUARANTEED ANALYSIS

Available Phosphoric Acid ( $P_2O_5$ ) \_\_\_\_\_ 30.00%  
(AOAC method 960.02)

Soluble Potash ( $K_2O$ ) \_\_\_\_\_ 27.00%

Derived from Virgin Phosphorous Acid and Potassium Hydroxide

- Each gallon contains 3.70 lbs. of Phosphorous and 3.32 lbs. of Potassium
- Equivalent to 4.41 lbs. Phosphorous Acid/gallon
- Contains 7.03 lbs. per gallon or 56% mono- and dipotassium salts of Phosphorous Acid

**Plant Food Phosphite 30** is a pure Potassium Phosphite fertilizer solution that is manufactured in a one step process by reacting Phosphorous Acid and Potassium Hydroxide in a patented high temperature, rapid cooling process, that preserves the maximum amount of Phosphorus in the desirable  $H_3PO_3$  (Phosphorous Acid) form. This unique Phosphite 30 manufacturing process neither contains nor requires any  $H_3PO_3$  preserving or solubility additives that are necessary in competitive products. As a result, **Phosphite 30** economically feeds and protects plants through superior Phosphorous Acid nutrition. **Plant Food Phosphite 30** is rapidly absorbed by turfgrass blades for maximum nutritional benefit in order to prevent and correct nutrient deficiencies and to promote disease resistance. Note: With foliar applications, phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or be utilized directly by the plant as phosphite ions.

**Do not apply to emerging seeds, especially if soil pH is less than 6.0. Do not mix with fixed copper or copper based fungicides if the pH of the spray solution is below 6 pH. Use sufficient water to ensure thorough coverage.**

**Do not exceed a maximum product spray concentration of 2%. For every 5 oz. of Phosphite 30, apply with at least 2 gallons of water. For every 2.5 oz of Phosphite 30, apply with at least 1 gallon of water.**

### Directions for Use:

**Greens, Tees & Fine Turf:** Apply 2 - 6 oz. per 1,000 sq. ft. (2/3 - 2 gallons per Acre) every 10 - 21 days in a minimum of 2 gallons of water per 1,000 sq. ft.

**Do not mow or irrigate treated areas until spray has completely dried. Apply at 2 week intervals and repeat as needed. Rate and frequency of application may vary due to active growth periods and grass cultivars.**

**Fairways, Roughs, Sports Turf & Lawns:** Apply 1 - 1.5 gallons per Acre (3 - 4.4 oz. per 1,000 sq. ft.)

every 14 days during active growth period. Apply in a minimum of 80 gallons of water per acre (minimum of 2 gallons of water per 1,000 sq. ft.)

### Mixing Instructions:

**Plant Food Phosphite 30** should be added last in the tank mix sequence. A small jar compatibility test is recommended when adding other products to the tank mix. Prior to any fertilizer or pesticide application, all spray mixing and application equipment must be cleaned. A quality tank cleaner is recommended. Carefully observe all cleaning directions on the pesticide and fertilizer label. Fill the spray or mix tank one half full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

1. Dry flowables or water dispersible granules
2. Wetttable powders
3. Flowables
4. Emmulsifiable concentrates
5. Water based solutions
6. Compatibility agents
7. Micronutrients and Fertilizers
8. Spray adjuvants

### Pounds of Nutrients per Liquid Ounce

Oz.	Phosphite	Potassium
2 oz	0.06	0.05
3 oz	0.09	0.08
4 oz	0.11	0.10
6 oz	0.17	0.15

Apply per 1,000 sq. ft. at desired rate.

### Storage and Handling:

Store in a cool, dry place; keep container tightly closed; do not add water or other material to the **Phosphite 30** container.

Store above 32° F. Do not allow to freeze.

### Caution:

Keep away from children. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

### Notice and Limitation of Warranty:

The manufacturer and seller warrants that the material conforms to the product description on the label and is reasonably fit for the purpose stated, when used in accordance with the directions. Further, because of critical unforeseeable factors beyond the manufacturer's and seller's control which prevent them from eliminating all risks in connection with the use of fertilizers, the buyer and user acknowledge and assume all risks and liabilities resulting from handling, storage and use of this material. The terms of this notice may not be varied by any verbal or written statement.