

0-27\*-12

For Professional Use Only

**GUARANTEED ANALYSIS:**

Total Phosphoric Acid* (P <sub>2</sub> O <sub>5</sub> ).....	27.0%
Soluble Potash (K <sub>2</sub> O).....	12.0%
Manganese (Mn) .....	2.0%

Derived From: Potassium phosphite and manganese phosphite.

\*Phosphorus acid products are for use as a supplemental fertilizer treatment.

\*Upon foliar application, the phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or will be used directly by plants, as phosphite ions.

\*As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. In addition, placement close to seeds or root zones may be injurious to crops. The effect may be aggravated by a soil pH below 6.5.

Information regarding the contents and levels of metals in this product is available on the Internet at:

<http://www.regulatory-info-jr.com>.

**DIRECTIONS FOR USE:****TURF:****Foliar Application:**

General turfgrass areas: Apply DuraPhite 12 at a rate of 3-5 fl. oz. per 1,000 ft<sup>2</sup> in a minimum of 1 to 2 gallons of water. Repeat application every 14 days or as needed. For best results do not irrigate or mow until area sprayed has completely dried.

Golf course greens and tees: Apply DuraPhite 12 at the rate of 3-5 fl. oz. per 1,000 ft<sup>2</sup> in a minimum of 2 gallons of water. Repeat application every 14 days or as needed. For best results do not irrigate or mow until area sprayed has completely dried.

**Soil Application:**

DuraPhite 12 can be applied to soil through various types of irrigation systems. The application rate is 2 to 3 quarts per acre (5-6 liters/hectare). If possible, inject during the last half of the irrigation cycle. Repeat application every 14 days or as needed.

**VOLUMETRIC CONVERSION INFORMATION:**

1 fluid ounce of DuraPhite 12 = 0.024 lbs. P<sub>2</sub>O<sub>5</sub>, 0.011 lbs. K<sub>2</sub>O, 0.0018 lbs. Mn.

Weight per Gallon.....11.3 lbs./Gal

**Flowering and bedding plants, non-woody  
ornamentals:**

Apply as a foliar spray using a 0.1% to 0.3% solution. Apply subsequent applications on 10 to 14 day interval or as needed to supplement nutritional requirements.

**Trees:**

Apply 1 to 3 pints per acre per application. Apply first application pre-bloom and subsequent applications at 21-day intervals or as needed to meet nutritional requirements.

**CAUTION:** Keep out of reach of children.

**LIMITED WARRANTY AND DISCLAIMERS:** J. R. Simplot Company ("Seller") warrants that the product contains the ingredients in the amounts stated on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and other conditions, mixtures with chemicals not specifically recommended on this label or any accompanying written recommendation are beyond the control of Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case is J. R. Simplot Company liable for consequential, special or indirect damages resulting from the use or handling of this product. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at Seller's option, as full discharge of Seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon Seller.

**Warning:** This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986, requires notification of potential exposure to substances identified by the State of California as causing cancer, birth defects or other reproductive harm.

**J. R. Simplot Company**

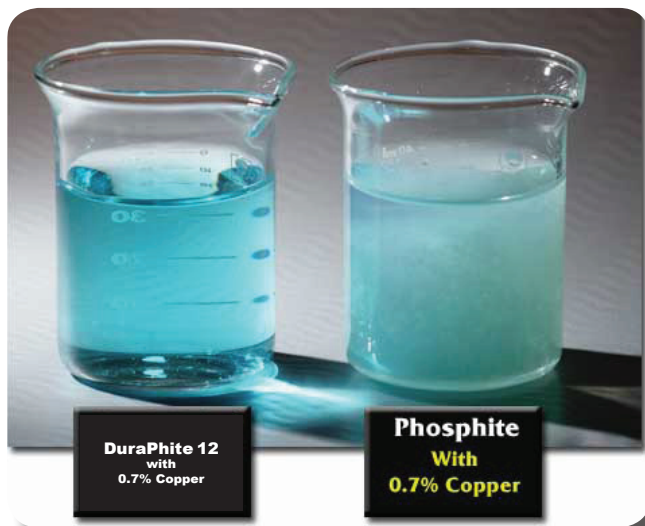
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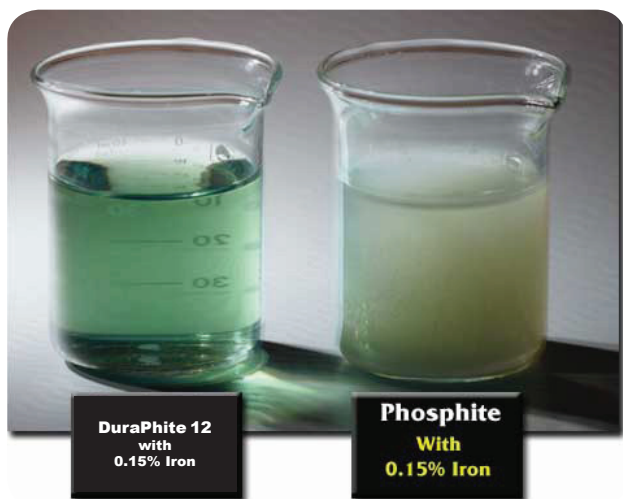
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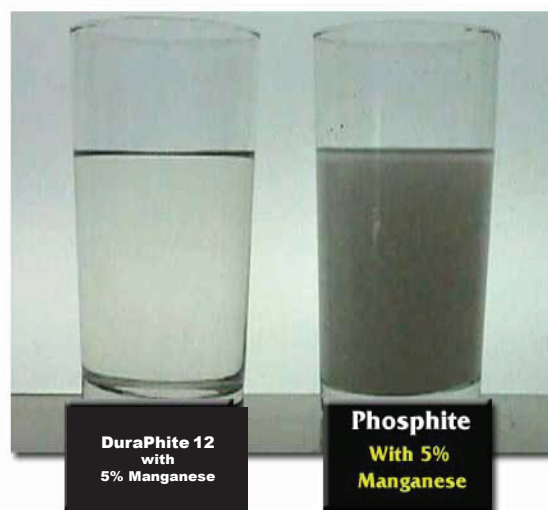
Phosphite products have been demonstrated to provide numerous benefits as a turfgrass management tool. Provided that phosphites provide benefits in promoting healthy plant growth and development, not all phosphite products are alike. DuraPhite™ 12 is formulated using a patented process to maintain stability of the phosphite when added to an alkaline water source. This advanced chemistry also ensures compatibility with a wide variety of tank mix partners. Other phosphite products just don't have the ability to stabilize the phosphite and buffer the spray solution.



These photos provide a demonstration of DuraPhite 12 successfully putting these metals in solution (clear) and keeping them there. The other phosphite product allows the metals to become an unavailable precipitate (cloudy).



This means the phosphite remains stable and the micronutrients are delivered to the turf - not to the bottom of the spray tank.



A U.S. Patent issued in 1994 describes the formulation of Organic Acids with Phosphite. The Organic Acids prevent the conversion of  $\text{PO}_3$  (phosphite) to  $\text{PO}_4$  (phosphate). The same "anti-oxidation" affect of the organic acids, prevents the micronutrients from precipitating.