



# 3-16 microphos

## Micronized Foliar Nutrient 0-16-0

### GUARANTEED ANALYSIS

Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	16.00%
Calcium (Ca).....	12.00%
Manganese (Mn) .....	16.00%
Zinc (Zn) .....	16.00%

DERIVED FROM: Calcium Phosphate, Calcium Sulfate, Zinc Oxide, and Manganese Carbonate.

## KEEP OUT OF REACH OF CHILDREN PRECAUTION

Do not ingest. Avoid contact with skin, eyes, or clothing.  
Avoid breathing dust, vapor or mist.

### FIRST AID

In all cases, call a poison control center or doctor for further treatment advice.

**IF SWALLOWED**, call a poison control center or doctor immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. **IF ON SKIN**, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF INHALED**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. **IF IN EYES**, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

**For chemical spills, leaks, fire or exposure,  
call CHEMTREC: (800) 424-9300**

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store in a safe manner. Store in original container only and keep tightly sealed when not in use. Dispose of unused product and empty containers in accordance with federal, state and local regulations.

### GENERAL INFORMATION

**RNA MICROPHOS 3-16** is a quick-mixing micronized wettable powder foliar nutrient formulated to achieve solution pH of approximately 6.8. **RNA MICROPHOS 3-16** is intended for use as part of a balanced fertility program. To achieve maximum value, recommendations must be based on tissue and soil nutrient analysis.

### DIRECTIONS FOR USE

**RNA MICROPHOS 3-16** may be applied as a foliar spray by air, ground, concentrate, or dilute. Applications may be made through irrigation systems if effective anti-siphon equipment is in place to prevent water source contamination.

**MIXING:** Fill spray tank 1/3 full of water, add **RNA MICROPHOS 3-16**, agitate, continue to add water and spray materials. Fully disperse **RNA MICROPHOS 3-16** prior to adding other spray materials. **RNA MICROPHOS 3-16** should disperse quickly and mix thoroughly. Speed of mixing is dependent upon water temperature and quality.

**USE PRECAUTIONS:** Do not apply in spray solution below pH 5.5. Excessive buffering may solubilize metals and cause phytotoxicity to plants and fruit. Always test spray tank pH prior to application. Thorough and even spray coverage is essential for maximum benefit and to prevent spray damage. Do not apply if spray solution will not dry thoroughly within 2 hours of application. Reduce rates by 50% when applied to soft tissue such as leafy vegetables, table grapes, or soft-skinned fruit under stress from rising temperatures or moisture deficit.

**APPLICATION TIMING:** Applications may be made throughout the growing season. **RNA MICROPHOS 3-16** is best applied prior to bud formation or flowering or when soil or tissue analysis indicates marginal or deficient nutrient levels. Seasonal growing conditions vary greatly, and best results will be obtained by consulting a crop production professional for accurate rate and timing requirements to meet local conditions.

**APPLICATION RATES:** Rate recommendations should be based on soil and tissue fertility analysis. Multiple low-rate applications are generally more effective than a single high-rate application. Use sufficient water for thorough coverage.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

**PERMANENT DECIDUOUS CROPS:** May be applied dormant or as a cover spray. Apply up to 25 pounds of **RNA MICROPHOS 3-16** per acre per application. **Caution:** Visible residue may be detectable. Do not apply to fresh market crops within 3 weeks of harvest. Fruit and nut crops may be sensitive to zinc. Refer to soil and tissue analysis in order to avoid toxic accumulation of metals. Post harvest, apply up to 15 pounds per acre. To avoid possible fruit spotting following rainfall, do not apply **RNA MICROPHOS 3-16** to plums after 50% petal fall.

**CITRUS:** Apply up to 50 pounds per acre. Do not apply more than 10 pounds of **RNA MICROPHOS 3-16** per 100 gallons of spray solution when mixed with spray oil.

**WALNUTS:** Apply 2 to 10 pounds per acre per application. **Multiple applications with copper may be phytotoxic.**

**VEGETABLE AND SEED CROPS:** Apply 2 to 10 pounds of **RNA MICROPHOS 3-16** per acre per application.

**FIELD CROPS:** Apply 3 to 15 pounds of **RNA MICROPHOS 3-16** per acre per application.

### COMPATIBILITY

When used in cover sprays, do not use with penetrating nonionic surfactants or oil concentrate additives. **RNA MICROPHOS 3-16** may be applied in cover sprays with superior oils when oil rates do not exceed 1% of spray solution. Always observe applications and adjust the variables of the application to prevent accumulation of the spray deposit at drip points. Use an anionic formulation for maximum crop safety when using a spreader. Do not apply in combination with 2 or more emulsifiable concentrates or oil-based pesticide formulations. Always jar test new combinations for compatibility prior to field mixing.

Conditions of Sale and Limitation of Warranty and Liability:

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of the product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer and User accept all risks arising from any use of this product, including without limitation uses contrary to label instructions, under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.**

To the extent permitted by law, neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

Manufactured by: **RNA**  
7 E. Washington Ave., Yakima, WA 98903

K-042314

**NET WEIGHT: 25 POUNDS (11.34 kg)**