



# Microsol 10-45-10

## SOLUBLE FOLIAR NUTRIENT GUARANTEED ANALYSIS

Total Nitrogen (N).....	10.00%
10.00% Ammoniacal Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	45.00%
Soluble Potash (K <sub>2</sub> O).....	10.00%
Sulfur (S).....	4.00%
Cobalt (Co).....	0.001%
Copper (Cu).....	0.05%
0.05% Chelated Copper	
Iron (Fe).....	0.10%
0.10% Chelated Iron	
Manganese (Mn).....	0.05%
0.05% Chelated Manganese	
Molybdenum (Mo).....	0.001%
Zinc (Zn).....	0.05%
0.05% Chelated Zinc	

DERIVED FROM: Ammonium Phosphate, Potassium Phosphate, Ammonium Sulfate, Potassium Sulfate, Cobalt Sulfate, Sodium Molybdate, Iron EDTA, Copper EDTA, Manganese EDTA, and Zinc EDTA.

CAUTION: This fertilizer is to be used only on crops which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals (ruminants).

### 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 MICROSOL 10-45-10** is a quick mixing, soluble, dry foliar nutrient formulated to achieve solution pH of approximately 4.8. **RNA MICROSOL 10-45-10** is intended for use as part of a balanced fertility program. To achieve maximum results, recommendations must be based on tissue and soil nutrient analyses. Multiple low rate applications are generally more effective than a single high rate application.

#### DIRECTIONS FOR USE

**RNA MICROSOL 10-45-10** may be applied as a foliar spray by air, ground, concentrate or dilute. Maintain agitation to provide uniform distribution within spray tank. Use of a high quality CPDA approved spreader, such as R-11®, at recommended rates to improve spray cover is usually advised. Do not apply when plants are under excessive heat or moisture stress. Applications of foliar nutrients to leafy vegetables or soft-skinned fruit during periods of excessive temperatures may cause cosmetic injury. Applications of certain micronutrients to fleshy fruit within 30 days of harvest may result in staining of rind or skin. 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 MICROSOL 10-45-10**, agitate, continue to add water and spray materials. Fully dissolve **RNA MICROSOL 10-45-10** prior to adding other spray materials. **RNA MICROSOL 10-45-10** should dissolve quickly and mix thoroughly. Speed of mixing is dependent upon water temperature and quality. 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. Late season applications of nitrogen may delay crop maturity and reduce fruit color.

**APPLICATION TIMING:** Applications may be made throughout the growing season. Generally, applications of **RNA MICROSOL 10-45-10** provide maximum value when made prior to rapid tissue growth, flower formation and/or tillering. Seasonal growing conditions vary greatly. For best results, consult a crop production professional for accurate rate and timing requirements to meet local conditions. Rate recommendations should be based on soil and tissue fertility analyses. In concentrated applications, do not exceed 1 pound of **RNA MICROSOL 10-45-10** per gallon of water.

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

**PERMANENT DECIDUOUS CROP:** Apply 5-10 pounds of **RNA MICROSOL 10-45-10** per acre per application. In low vigor situations, begin applications at delayed dormancy and continue through fruit set with additional applications prior to rapid tissue expansion or a growth flush. Do not make applications in less than 10 gallons of water by air or less than 25 gallons of water by ground. Excess fertility will delay crop maturity and reduce fruit color.

**CITRUS:** Apply up to 25 pounds per acre. Do not apply more than 3 pounds of **RNA MICROSOL 10-45-10** per 100 gallons of spray solution when mixed with spray oil.

**VEGETABLE AND SEED CROPS:** Apply 2-10 pounds of **RNA MICROSOL 10-45-10** per acre per application. To avoid seedling or transplant damage, apply only to fully established plants. Apply prior to a growth flush.

**FIELD CROPS:** Apply 3-15 pounds of **RNA MICROSOL 10-45-10** per acre per application.

#### COMPATIBILITY

**RNA MICROSOL 10-45-10** may reduce spray tank pH. Always test finished spray mixture pH prior to application. Do not apply in spray solution below pH 4.8. Do not mix **RNA MICROSOL 10-45-10** with alkaline spray materials as phytotoxic salts may be formed. When used in cover sprays, do not apply in combination with penetrating nonionic surfactants or oil concentrate additives. **RNA MICROSOL 10-45-10** may be applied in cover sprays with superior oils when oil rates do not exceed 1% of spray solution. For maximum crop safety when using a spreader, use an anionic formulation 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.

K-052317

Manufactured by: **RNA** • 22312 Railroad Avenue, San Joaquin, CA 93660

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