



Microsol

4.5-20-30

Soluble Foliar Nutrient

GUARANTEED ANALYSIS

Total Nitrogen (N)	4.50%
4.50% Ammoniacal Nitrogen	
Available Phosphate (P ₂ O ₅)	20.00%
Soluble Potash (K ₂ O)	30.00%
Sulfur (S)	10.00%
Boron (B)	0.25%

DERIVED FROM: Ammonium Phosphate, Potassium Phosphate, Potassium Sulfate, and Boric Acid.

WARNING: This fertilizer contains boron. Its use on any other plants or under any other conditions other than those specified on the label may result in plant injury.

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 4.5-20-30 is a quick mixing, soluble, dry foliar nutrient formulated to achieve solution pH of approximately 6.0. **RNA MICROSOL 4.5-20-30** 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

APPLICATIONS: **RNA MICROSOL 4.5-20-30** may be applied as a foliar spray by air, ground, concentrate or dilute, during dormancy or as a cover spray. Applications may be made through irrigation systems if effective anti-siphon equipment is in place to prevent water source contamination. **RNA MICROSOL 4.5-20-30** may be soil applied as a starter fertilizer or in the transplant solution.

MIXING: Fill spray tank 1/3 full of water, add **RNA MICROSOL 4.5-20-30**, agitate. Fully disperse **RNA MICROSOL 4.5-20-30** prior to adding other spray materials. **RNA MICROSOL 4.5-20-30** should disperse quickly and mix thoroughly. Speed of mixing is dependent upon water temperature and quality. Continue to add water and spray materials.

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 deficits.

APPLICATION TIMING: Applications may be made throughout the growing season and any time soil or tissue analyses indicate marginal or deficient nutrient levels. **RNA MICROSOL 4.5-20-30** is best applied prior to bud formation, flowering or a flush of growth. Seasonal growing conditions vary greatly. For best results consult a crop production professional for accurate rate and timing requirements to meet local conditions.

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

APPLICATION RATES: Rate recommendations should be based on soil and tissue fertility analyses. In concentrate applications, do not exceed 1 pound of **RNA MICROSOL 4.5-20-30** per gallon of water.

PERMANENT DECIDUOUS CROPS: Apply 5-10 pounds **RNA MICROSOL 4.5-20-30** per acre per application. Do not make applications in less than 10 gallons of water by air or less than 25 gallons of water by ground. Do not apply to fresh market crops within 3 weeks of harvest.

CITRUS: Apply up to 25 pounds per acre. Do not apply more than 3 pounds of **RNA MICROSOL 4.5-20-30** per 100 gallons of spray solution when mixed with spray oil.

VEGETABLE AND SEED CROPS: Apply 2-10 pounds of **RNA MICROSOL 4.5-20-30** per acre. To avoid seedling or transplant damage, make foliar applications only in fully established plantings. In a transplant solution, use a maximum of 5 pounds per 100 gallons of water.

FIELD CROPS: Apply 3-15 pounds of **RNA MICROSOL 4.5-20-30** per acre per application. Use higher rates when soil is wet and cold or crop indicates poor vigor.

COMPATIBILITY

When used in cover sprays, do not apply in combination with spray oils, penetrating nonionic surfactants or oil concentrate additives. Do not apply with silicone-based adjuvants at rates exceeding the equivalent of 1.5 ounces of organic silicone per 100 gallons of water. For maximum crop safety when using a spreader, use an anionic formulation such as RNA Spreader-Binder. Do not apply in combination with 2 or more emulsifiable concentrate or oil-based pesticide formulations. Always jar test new combinations for compatibility prior to field mixing.

SPECIAL CONSIDERATIONS: **RNA MICROSOL 4.5-20-30** may reduce spray tank pH. Always test finished spray mixture pH prior to application. Do not apply in spray solution below pH 5.5. Do not mix **RNA MICROSOL 4.5-20-30** with alkaline spray materials as phytotoxic salts may be formed.

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-051917

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

NET WEIGHT: 25 POUNDS (11.34 kg)