



KRAFT LIGNOSULFONATE COMPLEXED MICRONUTRIENT MIX

FOR THE CORRECTION OF MICRONUTRIENT DEFICIENCIES IN FRUIT, NUT, ROW, VEGETABLE, FIELD AND ORNAMENTAL CROPS

GUARANTEED ANALYSIS

Sulfur (S)	5.20%
Cobalt (Co)	0.03%
Copper (Cu)	1.00%
Iron (Fe)	1.50%
Manganese (Mn)	1.50%
Molybdenum (Mo)	0.04%
Zinc (Zn)	4.00%

Derived from Cobalt Sulfate, Copper Sulfate, Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate, and Ammonium Molybdate. Complexed with lignosulfonate.

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.

GENERAL INFORMATION

RNA KRAFT MICRONUTRIENT MIX is formulated using a highly refined or sulfonated lignosulfonate that has high complexing abilities. The product does not settle out, produces no phytotoxic symptoms to plants and is highly effective for the prevention and correction of micronutrient deficiencies when used at labeled rates. The degree of sulfonation is 7.5, and the medium molecular weight is 1,000. This small molecule allows for rapid absorption of the micronutrient through leaves, new woody stems, bud scales, and non-woody stems. Foliar application is preferred over soil application. RNA KRAFT MICRONUTRIENT MIX is designed primarily for foliar applications to prevent or correct micronutrient deficiencies in a wide range of agronomic and ornamental plants. Its use is suggested as a supplement to a regular, balanced fertilizer program to enhance yields and improve quality. Application of RNA KRAFT MICRONUTRIENT MIX is a means of obtaining a quick response to needed elements. Foliar applications of RNA KRAFT MICRONUTRIENT MIX may be particularly beneficial during periods of peak nutrient demand, for crops grown on soils having poor nutrient availability or to crops suffering from a weakened root system.

COMPATIBILITY

FERTILIZER COMPATIBILITY: RNA KRAFT MICRONUTRIENT MIX is compatible with phosphoric acid, sulfuric acid, and combinations of urea and acids. RNA KRAFT MICRONUTRIENT MIX is compatible with most neutral pH liquid fertilizer solutions including 28% nitrogen, 32% nitrogen, ammonium nitrate solutions, and urea solutions. RNA KRAFT MICRONUTRIENT MIX is not compatible with neutral pH phosphate compounds such as 10-34-0 or 11-37-0.

PESTICIDE COMPATIBILITY: RNA KRAFT MICRONUTRIENT MIX is compatible with most pesticides including insecticides, herbicides, fungicides, acaricides, and other foliar nutrients. RNA KRAFT MICRONUTRIENT MIX may be incorporated into an existing aerial, concentrate, or dilute applied crop protection program. Please add RNA KRAFT MICRONUTRIENT MIX before adding the pesticide to the spray solution. Before field use, test compatibility by combining in a jar.

DIRECTIONS FOR USE

RNA KRAFT MICRONUTRIENT MIX is recommended for application to the following crops and most other vegetable, field, row, nut, and fruit crops:

Alfalfa	Brassicas	Cranberries	Milo	Peanuts	Prunes	Tomatoes
Almonds	Broccoli	Cucumbers	Mint	Pears	Rape	Turf Grass
Apples	Brussels Sprouts	Curcubits	Nectarines	Peas	Rice	Walnuts
Apricots	Carrots	Figs	Nursery Stock	Pecans	Safflower	Watermelon
Artichokes	Celery	Garlic	Oats	Peppers	Soybeans	Wheat
Asparagus	Cherries	Grapes	Olives	Pineapples	Spinach	
Avocado	Citrus	Grasses	Onions	Pistachios	Strawberries	
Barley	Cole Crops	Hops	Ornamentals	Plums	Sugar Beets	
Beans (all)	Corn	Lettuce	Pasture/Range Grass	Pomegranates	Sugarcane	
Boysenberries	Cotton	Melons	Peaches	Potatoes	Sweet Corn	

GENERAL APPLICATION RECOMMENDATIONS FOR TREE FRUIT AND NUT CROPS

Unless stated differently in specific crop recommendations, application of RNA KRAFT MICRONUTRIENT MIX is preferred as follows: **PRE-BLOOM FOLIAR APPLICATION:** Application by Ground: RNA KRAFT MICRONUTRIENT MIX may be applied with oil dormant/delayed dormant or with existing crop protection program up to 5% bloom at 2 to 6 quarts per acre with sufficient water for thorough coverage. **Application by Air:** RNA KRAFT MICRONUTRIENT MIX may be applied with oil dormant/delayed dormant or with crop protection program up to 5% bloom at 2 to 6 quarts per acre with sufficient water for thorough coverage. **Caution:** Do not apply more than 1 pint of RNA KRAFT MICRONUTRIENT MIX per gallon of water by air or ground. The rate per acre depends upon the size of the tree and degree of deficiency. **POST-BLOOM COVER SPRAY APPLICATION:** Application by Ground or Air: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage with existing cover spray program. **Caution:** Do not apply more than 1 pint of RNA KRAFT MICRONUTRIENT MIX per gallon of water by ground or aerial application. **POST-HARVEST AND BEFORE LEAF DROP APPLICATION:** Application by Ground or Air: Apply 2 to 6 quarts per acre with sufficient water for thorough coverage with existing cover spray program. Repeat applications as required. Correction will not be evident until next growing season. **SOIL APPLICATION:** Foliar applications of RNA KRAFT MICRONUTRIENT MIX are preferred over soil applications. Apply 1 to 1-1/2 quarts per tree with pesticide, fertilizer, or irrigation water (overhead, drip or emitter) during active growing season. Correction may not be evident for several months.

SPECIFIC APPLICATION RECOMMENDATIONS FOR TREE FRUIT AND NUT CROPS

Almonds: Pre-Bloom Foliar Application: Application by Ground or Air: Apply 2 to 6 quarts per acre with sufficient water for thorough coverage with oil dormant/delayed dormant up to 50% bloom. Preferred timing of application is from delayed dormant to pink bud. For post-bloom, post-harvest, and soil applications please consult general recommendations.

Apples and Pears: Pre-Bloom Foliar Application: Application by Ground or Air: Apply 2 to 6 quarts per acre with sufficient water for thorough coverage with oil dormant/delayed dormant up to pink bud and white bud. Preferred timing of application is

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.

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

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

from delayed dormant to red bud and white bud. **Post-Bloom Cover Spray Application:** Application by Ground or Air: Apply 1 to 2 quarts per acre with sufficient water for thorough coverage with existing cover sprays as required. For post-harvest and soil applications please consult general application recommendations.

Plums: Pre-Bloom Foliar Application: Application by Ground or Air: Apply 2 to 4 quarts per acre with sufficient water for thorough coverage with oil dormant or delayed dormant up to green cluster with existing crop protection program. Preferred timing of application is from delayed dormant to green cluster. Application later than green cluster at high rates could cause damage to susceptible varieties. **Post-Bloom Cover Spray Applications:** Do not apply RNA KRAFT MICRONUTRIENT MIX post-bloom to plums as a cover spray. **Post-Harvest Applications:** Post-harvest applications should not exceed 1 quart per 100 gallons of water. Please consult general application recommendations for soil application.

Citrus: Pre-Bloom Foliar Application: Application by Ground or Air: Apply up to 2 to 8 quarts per acre with sufficient water for thorough coverage with existing cover spray program prior to bloom. Continue applications as required at 2 to 6 quarts per acre with sufficient water for thorough coverage with existing spray program. Consult the general recommendations for soil applications.

Grapes: Pre-Bloom Foliar Application: Apply up to 2 to 4 quarts per acre with sufficient water for thorough coverage from bud swell up to 5% bloom with existing crop protection spray program. As a **Post-Bloom Cover Spray** apply 2 to 4 quarts per acre with sufficient water for thorough coverage with existing cover spray as required. **Soil Application:** Apply 1 to 4 gallons per acre in early spring with fertilizer, pesticide, or irrigation water (overhead, drip or emitter). **Table Grapes:** Do not apply RNA KRAFT MICRONUTRIENT MIX post-bloom due to possible fruit injury.

GENERAL RECOMMENDATIONS FOR ROW, FIELD AND VEGETABLE CROPS

Unless stated differently in specific crop recommendations, application of RNA KRAFT MICRONUTRIENT MIX is preferred as follows: Application of RNA KRAFT MICRONUTRIENT MIX is preferred early in plant's development. Foliar applications are better than soil applications of RNA KRAFT MICRONUTRIENT MIX. Split applications are more beneficial than a single application (50% early in the plant's development and 50% prior to flowering or pollination). **Foliar:** Apply 1 to 4 quarts per acre with sufficient water for thorough coverage with existing crop protection program or overhead irrigation. Apply as required. Split applications are preferred over a single application. **Caution:** Do not apply more than 1 pint of RNA KRAFT MICRONUTRIENT MIX per 1 gallon of water. **Soil:** Apply 1 to 3 gallons per acre with fertilizer or pesticide preplant, at planting, or post-emergence broadcast, shanked, or layby.

Beans (all): Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage with existing crop protection program. Preferred applications: prior to fourth trifoliolate and/or before first bloom on indeterminate or determinate beans. Continue applications as required. **Soil:** Consult general recommendations.

Field and Sweet Corn: Foliar: Apply 1 to 6 quarts per acre with sufficient amount of water for thorough coverage with existing crop protection program. Preferred applications are soon after emergence and/or prior to pollination with overhead irrigation or existing crop protection program. **Soil:** Please consult general recommendations.

Cotton: Foliar: Apply 1 to 4 quarts per acre with sufficient amount of water for thorough coverage with crop protection program. Preferred applications are early after emergence and/or prior to first and/or second bloom with current crop protection program. **Soil:** Please consult general recommendations.

Potatoes: Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage with existing crop protection program shortly after emergence and/or up to 100% bloom with current crop protection program or overhead irrigation water. Repeat applications post-bloom as required. **Soil:** Please consult general recommendations.

Rice: Foliar: Apply 1 to 2 quarts per acre with sufficient water for thorough coverage. Apply post-emergence on drained field or after emergence out of the water with current crop protection program. Repeat as required. **Soil:** Apply broadcast, banded, or shanked with fertilizer or preplant fertilizer at 1 to 3 gallons per acre.

Small Grains: Foliar: Apply 1 to 2 quarts per acre with sufficient amount of water for thorough coverage. Preferred applications are with first post-emergence crop protection treatment and/or prior to pollination. **Soil:** Apply 1 to 2 gallons per acre with current preplant or at planting fertilizer or crop protection treatment.

Greenhouse or Field Grown Ornamentals and Flowers: Foliar: RNA KRAFT MICRONUTRIENT MIX is not recommended to be applied as a foliar treatment to greenhouse or field grown ornamentals and flowers. **Soil:** Apply 2 to 3 ounces per 100 square feet with current fertilizer, pesticide or irrigation system (excluding overhead). Repeat as required.

Turf Grasses: Foliar: Apply 1 to 2 quarts per acre with sufficient water for thorough coverage. Apply soon after emergence with current irrigation or crop protection program. Repeat as required. **Soil:** Apply 1 to 3 gallons per acre with preplant fertilizer or preplant crop protection program.

Tomatoes: Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage. Preferred applications are shortly after emergence or transplant and/or prior to first and second major blooms with current crop protection treatment. **Soil:** Consult general recommendations for soil application.

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.

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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-042711

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

NET CONTENTS:

GALLONS/Liters • WEIGHT PER GALLON: 10.91 POUNDS at 68°F