



Re-Nforce K

5-0-20

A Nitrogen and Potassium Fertilizer Solution Containing Sulfur for Application to Agronomic Crops

GUARANTEED ANALYSIS

Total Nitrogen (N).....	5.00%
3.33% Urea Nitrogen	
1.67% Other Water Soluble Nitrogen*	
Soluble Potash (K ₂ O)	20.00%
Sulfur (S).....	13.00%
13.00% Combined Sulfur (S)	

Derived from: urea, urea-triazone solution and potassium thiosulfate.

*1.67% slowly available nitrogen from urea-triazone solution.

Chlorine (Cl), not more than 1.00%

KEEP OUT OF REACH OF CHILDREN



WARNING

Avoid prolonged or repeated contact with eyes, skin and clothing. Chemical goggles or a full face shield should be worn. To protect skin wear appropriate protective equipment, such as rubber or plastic aprons, rubber gloves and boots. Avoid breathing mist or vapor. Keep containers closed. Wash thoroughly after handling. May cause gastrointestinal distress if swallowed.

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GENERAL INFORMATION

RE-NFORCE® K is a clear liquid solution, containing 5% N, 20% potash (K₂O) and 13% sulfur (S). Each gallon of RE-NFORCE K contains 0.58 pounds of nitrogen, 2.34 pounds of potash (K₂O) and 1.52 pounds of sulfur. RE-NFORCE K may be applied by drip, sprinkler, or flood irrigation. It may be blended with other fertilizers or applied as a foliar treatment on selected crops. When used as a foliar fertilizer, RE-NFORCE K should first be diluted with water before applying. Blends of RENFORCE K should not be acidified below a pH of 6.0. RE-NFORCE K is compatible with urea solutions in any ratio. When blending with micronutrients and pesticides, trial blends should be conducted before beginning large scale mixing. When mixing other liquid fertilizers and/or pesticides with RE-NFORCE K, the blend sequence should be as follows: water, pesticide, RE-NFORCE K and/or other fertilizer.

NOTE: When used as directed this product does not supply all nutrients required by plants and is to supplement a soil fertility program based on soil tests.

GENERAL APPLICATION AND USE RECOMMENDATIONS

RE-NFORCE K may be applied to a wide variety of agricultural crops. Potassium requirements for most crops increase dramatically during periods of rapid growth and fruit development. Application of RE-NFORCE K should be made based on soil and/or plant tissue analysis for potassium.

EQUIPMENT

Brass, copper and galvanized metals may be subject to mild corrosion from prolonged or repeated contact with this product.

COMPATIBILITY

RE-NFORCE K can be applied alone or with other compatible spray materials. Ammonium polyphosphate fertilizers tend to be more compatible than orthophosphate types. Including some polyphosphate in the mixture often improves compatibility of orthophosphates.

Proposed mixtures should be evaluated in a jar test before full scale use. Fertilizer based mixtures that also contain pesticides should be sprayed as soon as possible.

Note: When combining RE-NFORCE K with phosphate fertilizers vigorous agitation is required for good product mixing. See mixing directions below for more information.

CROP SAFETY

This product has been tested on a number of crop varieties with no phytotoxicity observed at labeled rates; however, this product has not been tested on all varieties and cultivars. Due to the large number of plant species and their associated varieties or cultivars, and due to variable growing conditions, it is impossible to test every plant for tolerance to this product. It is the responsibility of the user to determine if this product can be used safely prior to commercial use. In a small test area, test the specified rates on plants for phytotoxicity prior to general use. Before using any tank mix, test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application. Treat a small group of target crop including plant cultivars and evaluate for 3 to 7 days prior to making an application to your entire crop.

MIXING INSTRUCTIONS

1. Add RE-NFORCE K to water and start agitation.
2. Add pesticides or other nutrients.
3. Fill tank and agitate thoroughly.

FOLIAR FERTILIZER APPLICATION

Application rates are only for the crops listed below. For recommendations regarding crops not listed, contact your local fluid fertilizer dealer or your Loveland Products, Inc. representative. RE-NFORCE K may be applied by ground or air. By air, apply 2.0 to 5.0 quarts of RENFORCE K per acre in 3.0 to 10.0 gallons of water spray solution. For ground application, apply 2.0 to 6.0 quarts of RE-NFORCE K per acre.

- Alfalfa:** Apply at crown green up or on regrowth after cutting.
- Apples, Apricots, Almonds, Citrus, Pecans:** Apply RE-NFORCE K at 2.0 to 6.0 quarts per acre in a minimum of 100 gallons of water spray solution. Begin application at first full leaf and apply as needed during the growing season. For concentrated sprays of less than 100 gallons per acre, reduce the rate of RE-NFORCE K to stay within the recommended solution ratio (i.e., 50.0 gallons of water per acre equals 1.0 to 3.0 quarts of RE-NFORCE K per acre).
- Canola:** 2.0 to 4.0 quarts per acre at bud to bolting stage.
- Corn:** Apply RE-NFORCE K just prior to tasseling and second application in 7 to 10 days.
- Cotton:** 1.5 to 2.0 gallons, early bloom and repeat at 7- to 10-day intervals for up to 4 applications.
- Cucumber:** 1.5 to 2.0 gallons, flower initiation, repeat on 10- to 14-day intervals.
- Dry Beans:** 0.50 to 1.0 gallon, early bloom.
- Peas and Lentils:** Apply during late bud to 10% bloom.
- Potatoes:** 2.0 to 3.0 gallons, tuber initiation, apply second application in 2 to 3 weeks and third application at tuber bulking.
- Rice:** 1.5 to 2.0 gallons, panicle initiation.
- Small Grains:** Apply RE-NFORCE K at tillering to early boot stage.
- Soybeans:** 1.5 to 2.0 gallons, early pod development.
- Sugar Beet:** 1.5 to 2.0 gallons, prior to row canopy closing.
- Tobacco:** Apply RE-NFORCE K just prior to tasseling and second application in 7 to 10 days (Do not use with alcohol-based sucker control products).
- Tomatoes:** Begin at fruit set, apply every 7 to 14 days.
- Vines:** Begin 2 weeks after bloom. Apply 2.0 to 4.0 quarts of RE-NFORCE K per acre in a minimum of 50.0 gallons of water. Repeat treatment in 7 to 10 days.

FERTIGATION FLOOD AND FURROW IRRIGATION

Trees and Vines: Apply 10.0 to 15.0 gallons of RE-NFORCE K per acre per application beginning at full leaf, schedule as needed.
Vegetable and Row Crops: Apply 10.0 to 15.0 gallons of RE-NFORCE K per acre per application, make second application based on crop requirements.

SPRINKLER IRRIGATION

Trees (Under): Apply 5.0 to 15.0 gallons per acre per application every 10 to 14 days based on crop requirements.
Trees (Overhead): Apply 3.0 to 5.0 gallons per acre per application every 10 to 14 days based on crop requirements. **Vines:** Apply 3.0 to 5.0 gallons per acre per application every 10 to 14 days based on crop requirements.
Vegetable and Row Crops: Beginning at the 3rd to 4th leaf stage, apply 3.0 to 10.0 gallons per acre per application every 10 to 14 days based on crop requirements. After injection, allow enough irrigation time to rinse the plants of any residual fertilizer.

CENTER PIVOT

Vegetable and Row Crops: Apply 3.0 to 5.0 gallons of RE-NFORCE K per acre per application as needed based on crop requirements.

DRIP IRRIGATION

Mature Trees and Vines: 5.0 to 15.0 gallons per acre per application 1 to 2 times during the season when roots are actively growing.
Vegetable and Row Crops: 3.0 to 5.0 gallons per acre per application 2 to 4 times during the growing season.
Young Trees and Vines: 3.0 to 10.0 gallons per acre during the season when roots are actively growing.

CAUTION (Application)

Do Not apply RE-NFORCE K to foliage of crops sensitive (foliar burn) to sulfur. Do Not apply RE-NFORCE K with oil sprays. Be sure to check other manufacturer's labels concerning oil treatment spray guidelines and foliar nutrient applications containing sulfur. Do Not apply to foliage of any crop when temperatures are above 90 °F. Apply RE-NFORCE K early morning or late evening. When mixing RE-NFORCE K or any liquid fertilizer with pesticides always keep agitators running during filling and spraying operations. Failure to maintain agitation may cause separation of products resulting in uneven spray application. Do Not apply RE-NFORCE K with knife injectors or other types of fertilizer injecting equipment that may cause root pruning. Sprinkler application of RE-NFORCE K and other liquid fertilizers over an established crop may cause foliar injury to a crop if: injection period is short enough to cause an excessive amount of fertilizer to accumulate on the leaves, temperatures are above 90 °F and humidity less than 30%, fertilizer rates are higher than recommended, irrigation pump breaks down during or immediately after injecting fertilizer, and/or any combination of these conditions. Crop injury may result from unusual weather conditions, failure to follow label directions, or improper application practices all of which are out of control of the manufacturer or seller. The directions on this label are believed to be reliable and should be followed carefully.

FIRST AID

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL 1-866-944-8565.

STORAGE AND DISPOSAL

STORAGE: Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed by storage or disposal.
DISPOSAL: Do not reuse container. Completely empty container into application equipment. Thoroughly rinse container, adding rinse water to the spray tank.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

Before handling this product, consult the Safety Data Sheet for handling, safety and first aid information. Follow directions carefully, including precautions for safe handling.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary. LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-lpi.com/>

RE-NFORCE is a registered trademark of Loveland Products, Inc.

Density: 11.70 lbs/gallon @ 68 °F
Liquid Measure: 275 gallons (1,040.98 liters)
Net Weight: 3,217.50 lbs (1,459.43 kg)
 Product Code: 1000176573

Density: 11.70 lbs/gallon @ 68 °F
Liquid Measure: gallons (liters)
Net Weight: lbs (kg)
 Product Code: 1000176575