

READ ENTIRE CONTAINER LABEL BEFORE USING THIS PRODUCT



# KeeP®

## 0-52-34

### A High Analysis Water Soluble Fertilizer

Superior Water Soluble Fertilizer for Foliar Feed, Fertigation Ingredient and Special Soil Applications

#### GUARANTEED ANALYSIS:

Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	52.00%
Soluble Potash (K <sub>2</sub> O) .....	34.00%

Derived from: Monopotassium Phosphate

### KEEP OUT OF REACH OF CHILDREN

#### GENERAL INFORMATION

**KeeP** is manufactured specifically as a water soluble fertilizer for use as a foliar or soil applied fertilizer. Its use is recommended as a supplement to a regular fertilizer program to enhance yield and improve quality. An application of **KeeP** will provide a rapid response to needed elements. Research has shown that highly soluble foliar fertilizers such as **KeeP** are absorbed more efficiently by plants than those applied to the soil. Nutrient translocation to all parts of the plant is generally more rapid when the nutrient is applied foliarly. Under adverse conditions such as moisture stress, weather conditions salts, soil type, etc. **KeeP** may supply otherwise unavailable plant nutrients when used as directed. A good tissue testing program may be helpful in monitoring and maintaining optimum plant growth and development. **KeeP** is a highly soluble, low salt index formulation developed to supplement standard soil fertility practices. **KeeP** provides a readily available additional source of phosphorus and potassium nutrient during the growing season.

#### MIXING DIRECTIONS

- Add approximately 0.50 water to tank before adding **KeeP**. Agitate thoroughly while adding remaining water. If used in combination with pesticides, add pesticides last.
- When temperatures are cold or when using cold water, allow extra time for this product to dissolve.
- Do not use additional surfactants without first checking with your agricultural consultant.
- Do not use when plants are under severe stress conditions such as heat or water stress.
- **KeeP** should not be used at concentrations of greater than 1.0 pound per gallon of water unless the following procedure is followed. Mixes up to 1.9 pounds per gallon are possible, but consideration must be given to the low pH of the solution, and that storability of 1.0 to 2.0 pounds per gallon mixes are not recommended at temperatures below 68 °F.

#### COMPATIBILITY

**KeeP** is compatible with most pesticides and can be applied in existing spray programs.

#### Compatibility Cont'd.

**WARNING:** Due to its acidic nature, adding **KeeP** to the spray solution will lower the pH of the solution. When using a chemical mixture that has not been used before, always try a small sample rate before application, or check compatibility by doing a jar test. It is advisable to check the pH of the finished spray solution and adhere to pesticide manufacturer's recommendations regarding pH control. Compatibility with sulfur compounds should be evaluated prior to use due to the large number of formulations that is available.

#### DIRECTIONS FOR USE

**CAUTION: DO NOT INCLUDE KeeP WITH COPPER SPRAYS DUE TO ITS ACIDIC NATURE.** **KeeP** can be applied to the foliage or to the soil. As a foliar application it can be applied by ground or air.

**DILUTE SPRAYS:** 3.0 to 5.0 pounds per 100 gallons of spray with a maximum of 15.0 pounds per acre.

**CONCENTRATE SPRAYS OR AERIAL APPLICATION:** Apply 5.0 to 10.0 pounds per acre in 15.0 to 150 gallons per acre. Do not apply under poor drying conditions. Do not apply with any materials that may cause russetting of fruit.

#### DECIDUOUS FRUITS

**Apples, pears, cherries, prunes, apricots, peaches, plums and nectarines:** Apply 5.0 to 10.0 pounds per acre per application. Apply as prebloom and post bloom sprays. PEARS: When daytime temperatures are expected to exceed 90b °F. do not apply more than 8.0 pounds per acre.

**PRECAUTIONS:** Keep a minimum of 7 days between application. Do not apply to crops under stress. With rising temperatures (a.m.) stop spraying at 84 °F. Falling temperatures (p.m.) start spraying at 90 °F. Under certain conditions, including handgun application, **KeeP** can cause leaf injury. To reduce chances of foliage injury be sure to obtain enough gallonage with dilute sprays to cause runoff (350 gallons per acre). Use correct gallonage with concentrate sprays to avoid runoff and excessive dripping on the tree. Be sure to avoid over spraying when treating young or dwarf trees. Comments on gallonage are based on spray volume being applied on full size trees. Proper spray calibration is important to reduce chances of injury.

## NET WEIGHT: 50 POUNDS (22.68 KG)

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## FIELD CROPS (FOLIAR APPLICATION)

**Alfalfa, Clover:** Use 2.0 to 8.0 pounds per acre per application. First application at 6 to 8 inches, repeat applications to new growth after each cutting.

**Ammonds:** Make 3 to 4 applications per season at a rate of 5.0 to 10.0 pounds per acre in sufficient volume for thorough coverage. Make first application at petal fall and continue at 30.0-day intervals until hull split.

**Beans: (including dry, succulent and limas):** Use 5.0 to 10.0 pounds per acre. Apply when plant leaves are large enough to absorb a foliar nutrient or from bud set to early bloom.

**Carrots, Beets, Sweet Potatoes And Other Vegetable Root Crops:** Use 5.0 to 10.0 pounds per acre per application.

**Citrus: Dilute spray:** Use 3.0 to 5.0 pounds per 100 gallons, not to exceed a total of 15.0 pounds per acre per application. In concentrate sprays or aerial application, use 5.0 to 10.0 pounds per acre in 15.0 to 150 gallons per acre.

**Grapes:** Apply at 3.0 to 10.0 pounds per acre per application when leaves first appear. Repeat application as necessary. An application pre-bloom and post-bloom is suggested if needed. Apply 10.0 pounds per acre within 30 days of harvest to increase solids.

**Strawberries:** Apply 3.0 to 10.0 pounds per acre shortly after first blooms appear. Repeat applications as necessary during growing season to improve berry size and quality.

**Hops:** Begin application at early season training and continue through end of bloom period as often as every 7 days.

**CORN: (Field and Sweet):** Use 5.0 to 10.0 pounds per acre per application.

**Cotton:** Use 5.0 to 10.0 pounds per acre per application as needed, starting at squaring (pre-bloom).

**Legumes: (peas (dry and succulent), lentils, garbanzos):** Apply 2.0 to 8.0 pounds per acre in sufficient water to cover by ground or by air. Apply when plant leaves are large enough to absorb a foliar nutrient up through mid bloom stage.

**Celery, Cole Crops And Leafy Vegetables:** Use 1.0 to 2.0 pounds per acre per application.

**Lettuce:** Use 1.0 to 5.0 pounds per acre. Make several applications at intervals of 10 to 14 days starting at thinning or after transplanting. Use multiple low rates instead of high rate applications.

**Melons, Cucumbers And Other Cucurbits:** Use 5.0 to 10.0 pounds per acre per application. Make 2 or more applications starting just prior to bloom.

**Mint:** Use 2.0 to 10.0 pounds per acre per application.

**Onions: (Dry And Green), Garlic:** Use 5.0 to 10.0 pounds per acre per application.

**Pistachios:** Make 3 to 4 applications per season at a rate of 5.0 to 10.0 pounds per acre in sufficient volume for thorough coverage. Make first application immediately post bloom and repeat as necessary until hull split.

**Potatoes:** Use 5.0 to 10.0 pounds per acre. Apply at initial tuber formation. Subsequent applications may be made with various fungicide and/or insecticide cover sprays. Consult your local Agricultural Consultant for specific recommendations.

**Small Grains (Wheat, Barley, And Oats):** Use 2.0 to 6.0 pounds per acre in sufficient water to cover by air or by ground. Apply at tillering, but before early boot stage.

**Sugar Beets:** Use 5.0 to 10.0 pounds per acre. Apply when leaves are 10 inches across. Repeat 3 to 4 weeks later.

**Tomatoes (Fresh), Peppers:** Use 5.0 to 10.0 pounds per acre per application in a minimum of 20 gallons of water per acre by ground. Do not exceed 5.0 pounds per acre in 10.0 gallons of water by air. 2 to 3 applications are advised at 2- to 3-week intervals, starting immediately prior to full bloom, 2 weeks later and finally at early fruiting stage.

**Tomatoes (Processing):** Apply 2 to 3 applications at 5.0 to 10.0 pounds per acre in a minimum of 20.0 gallons of water per acre by ground. Do not exceed 5.0 pounds in 10.0 gallons of water per acre by air. The first application should be made immediately prior to full-bloom, 2 weeks later and finally at early fruit sizing.

**Walnuts:** Make 2 to 3 applications in rates of 5.0 to 10.0 pounds per acre in sufficient volume for thorough coverage. Make first application at early set and repeat at 3- to 4-week intervals until June 15th.

## TURF AND ORNAMENTALS

**Cool Season Grasses Including But Not Limited To Bentgrass, Fescue, Bluegrass:** Use during the prime growing season, spring and fall at high rates to encourage vigorous growth prior to the heat of summer and semi dormancy or dormancy of winter. Apply as often as once per week and in conjunction with pesticide applications when applicable. Use 2.0 to 4.0 ounces of **KeeP** per 1,000 square feet per application. Use a minimum of 2.0 gallons of water per pound of product.

**Warm Season Grasses Including But Not Limited To Bermuda Grass:** Use 2.0 to 4.0 ounces per 1,000 square feet per application. Use a minimum of 2.0 gallons of water per pound of **KeeP**. Use during the prime growing season, late spring to early fall, at high rates to encourage vigorous growth prior to the heat of summer and to encourage rapid spring regrowth. Apply as often as once per week and in conjunction with pesticide applications when applicable.

**Ornamentals Including But Not Limited To: Trees, Shrubs, Roses, Bedding Plants, Container Plants And Outdoor Gardens:** Use at bloom, spring shoot push or shortly after transplanting and repeat in 14 to 21 days. Use anytime new growth is pushing, or in conjunction with pesticide

applications. Use 1.0 pounds in 10.0 gallons of water and spray to wet. **Fertigation Via Micro Irrigation Or Sprinkler:** Use as an augmentation or substitution for any phosphate and potassium fertilizer when a low salt index is desirable.

**WARNING: KeeP** is acidic in concentration as low as 0.25%. This may enhance its solubility and availability when added to alkaline irrigation water. Rates and timing should follow standard practices and may range from 25.0 to 500 pounds per acre.

**DIRECT SOIL APPLICATIONS:** Best results will be obtained with a band application as a starter or sidedress. Because **KeeP** has a low salt index it may be placed in close proximity to the seed at rates of 2.0 to 4.0 pounds per acre in no less than 5.0 gallons of water. Some crops may tolerate the product in its dry form for seed row application. Consult your local Agricultural Consultant for information regarding dry application.

## 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 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 on skin or clothing:** 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 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 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 bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water, food, or feed by storage or disposal.

**HANDLING:** Avoid breathing fertilizer dusts. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

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

**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.

**WARNING:** This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

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

KeeP is a trademark ICL Performance Products.



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