



**Foliar Nutritional Liquid Concentrate**

**GUARANTEED ANALYSIS**

Soluble Potash (K<sub>2</sub>O) ..... 30.00%

Derived from potassium hydroxide.

Nutrient content per gallon: 3.34 lbs. K<sub>2</sub>O

Chlorine (Cl), Maximum ..... 00.25%

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

- May be harmful if swallowed
- May be harmful in contact with skin
- Causes eye irritation
- Causes mild skin irritation
- May be harmful if inhaled

WT. PER GAL.: 11.14 lbs. (5.05 kg) SN 0714/0415

- Net Contents: □ 2.5 gal. (9.46 liters)  
 Net Wt.: 27.85 lbs. (12.63 kg)  
 □ 5 gal. (18.93 liters)  
 Net Wt. 55.70 lbs. (25.27 kg)  
 □ 55 gal. (208.19 liters)  
 Net Wt. 612.70 lbs. (277.92 kg)

Information about the components of this lot of fertilizer may be obtained by writing to Helena Chemical Company, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.

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

F224

**MANUFACTURED FOR**  
**HELENA CHEMICAL COMPANY**  
 225 SCHILLING BOULEVARD, SUITE 300  
 COLLIERVILLE, TN 38017  
 901-761-0050

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

**BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.**

May be harmful if swallowed. May be harmful in contact with skin. Causes eye irritation. Causes mild skin irritation. May be harmful if inhaled. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Not for human or animal consumption.

Personal Protective Equipment (PPE): Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

**FIRST AID**

<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a POISON CENTER or doctor immediately.</li> <li>• Rinse mouth. Do NOT induce vomiting.</li> <li>• Do not give anything by mouth to an unconscious</li> </ul>

	<ul style="list-style-type: none"> <li>• person.</li> <li>• Immediately call a POISON CENTER or doctor.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air and keep at rest in a position comfortable for breathing if they feel unwell.</li> <li>• If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a POISON CENTER or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR HAIR:</b>	<ul style="list-style-type: none"> <li>• Take off immediately all contaminated clothing. Rinse skin with water or shower.</li> <li>• Get medical attention if irritation develops or persists.</li> <li>• Wash contaminated clothing before reuse.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Keep locked up and out of the reach of children.

**CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading and add rinse water to spray tank. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Decontaminated containers may also be disposed of in a sanitary landfill.

For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

**GENERAL INFORMATION**

K-LEAF 0-0-30 is a stabilized solution containing a high concentration of water soluble potash. K-LEAF 0-0-30 is a stable, uniform product with excellent mixing characteristics and utilizes a unique form of potash which exhibits low corrosion characteristics. Foliar fertilization is intended as a supplement to a regular fertilization program and may not, by itself, provide all the nutrients normally required by crops or other intended plants.

K-LEAF 0-0-30 is compatible with many liquid fertilizers, foliarly applied micronutrients and pesticides provided that the following mixing precautions are observed.

1. Never mix K-LEAF 0-0-30 with undiluted pesticides.
2. K-LEAF 0-0-30 should be added to the spray tank water prior to the addition of other products.
3. Always "jar test" for compatibility all spray tank mixes before mixing for field applications.

**GENERAL RECOMMENDATIONS**

K-LEAF 0-0-30 may be applied to agricultural crops, commercial turf, ornamental crops and other plants where foliar applied potash is recommended. Direct application to soil is also recommended. Application of K-LEAF 0-0-30 should always be the result of plant tissue or soil analysis which indicates the need for potassium.

**WARNING:** Do not use K-LEAF 0-0-30 in foliar sprays on plants that are sensitive to potassium application. K-LEAF 0-0-30 may be applied by ground (dilute or concentrate) or air. Apply in enough water for thorough coverage. The addition of a quality surfactant such as INDUCE® is recommended. Local climatic conditions may affect the performance of nutritional sprays. Consult your Helena Chemical Company representative or your local agricultural extension agent for guidance if needed.

**RATE CONVERSIONS**

K-LEAF 0-0-30	Potash (K <sub>2</sub> O)
1 qt.	0.83 lb.
2 qt.	1.67 lbs.
1 gal.	3.32 lbs.

**Application and Mixing Guide**

Mixing: In any mixing operation introduce K-LEAF 0-0-30 in the following sequence:

1. Water
2. K-LEAF 0-0-30
3. Other Fertilizers and/or Pesticides

If a compatibility agent such as BLENDEX® is needed, consult the compatibility agent label for additional mixing instructions.

**TREE CROPS**

**ALMONDS:** 5-13 qts. per acre per application in pre- and post-bloom sprays or as needed.

**Disclaimer:** Always refer to the label on the product before using Helena or any other product.

APPLES: Western States: 2-13 qts. per acre per application in pre- and post-bloom sprays. Repeat as needed. States East of Mississippi: 1-5 qts. per acre per application in post-bloom sprays only. Repeat as needed. Do not apply during bloom period, under poor drying conditions, or within 24 hours of predicted rainfall. Do not apply with other materials that may cause russetting.

APRICOTS: 4-13 qts. per acre per application in pre- and post-bloom sprays or as needed.

AVOCADOS: 2.5-5 qts. per 100 gals. and flush wet the foliage. By air or concentrate sprayer, 5-15 qts. per acre per application.

CHERRIES: 4-13 qts. per acre per application in pre- and post-bloom sprays or as needed.

CITRUS (ALL VARIETIES): By air or concentrate sprayer: 2-25 qts. per acre per application in 15 to 100 gals. of water. By conventional ground rig: 2-4 qts. per 100 gals. and flush wet the foliage (up to 26 qts. per acre per application). In oil sprays: 0.5 qts.-1.5 qts. per 100 gals. of spray mix.

FIGS: 5-13 qts. per acre per application.

FILBERTS: See "Nut Crops" this section.

NECTARINES: 4-13 qts. per acre per application in pre- and post-bloom sprays or as needed.

NUT CROPS (FILBERTS, PECANS, PISTACHIOS, WALNUTS): 5-15 qts. per acre per application pre-bloom and in cover sprays.

OLIVES: 8-15 qts. per acre per application. Apply 15 to 20 days after thinning, repeat 3 to 4 weeks later. If crop is not thinned, apply 1 to 2 weeks after full bloom, repeat 3 to 4 weeks later.

PEACHES: 4-13 qts. per acre per application in pre- and post-bloom sprays or as needed.

PECANS: See "Nut Crops" this section.

PISTACHIOS: See "Nut Crops" this section.

PLUMS: 4-13 qts. per acre per application in pre- and post-bloom sprays or as needed.

PRUNES: 4-13 qts. per acre per application in pre- and post-bloom sprays or as needed.

PEARS: Western States: 2-13 qts. per acre per application in pre- and post-bloom sprays. Repeat as needed. States East of Mississippi: 1-5 qts. per acre per application in post-bloom sprays only. Repeat as needed. Do not apply during bloom period, under poor drying conditions, or within 24 hours of predicted rainfall. Do not apply with other materials that may cause russetting. May cause russetting on D'Anjou variety pears.

WALNUTS: See "Nut Crops" this section.

#### FIELD & ROW CROPS

ALFALFA: Hay: 2-8 qts. per acre per application. First application at 6 to 8 inches, repeat application to new growth after each cutting.

ARTICHOKES: 2.5-8 qts. per acre per application.

ASPARAGUS: 2.5 qts.-5 qts. per acre after start of new fern growth. Repeat at intervals of 2 to 3 weeks as necessary.

BARLEY: See "Small Grains" this section.

BEANS: 1-5 qts. per acre per application. First application at bud to early-bloom stage, repeat in 2 to 3 weeks.

CANEBERRIES: Apply 1.5-10 qts. per acre over new growth in spring. Applications should not be made after fruit starts to color.

CLOVER: Hay: 2-8 qts. per acre per application. First application at 6 to 8 inches, repeat application to new growth after each cutting.

CORN (SWEET AND FIELD): 1.5-5 qts. per acre per application.

COTTON: 1-8 qts. per acre per application.

CRANBERRIES: 2.5-8 qts. per acre per application. Apply as needed.

GARLIC: 1.5-5 qts. per acre per application.

GRAPES: 2.5-8 qts. per acre per application. First application when new shoots are in the 4- to 6-leaf stage. Repeat as necessary.

HOPS: 2.5-8 qts. per acre per application in cover sprays.

LENTILS: 1-5 qts. per acre per application. First application at bud to early-bloom stage. Repeat in 2 to 3 weeks.

MINTS: 2.5-8 qts. per acre per application. First application at 6 inches of new growth. Repeat 2 to 3 weeks later or as needed.

OATS: See "Small Grains" this section.

OILSEED CROPS (SAFFLOWER, SUNFLOWER, CANOLA AND OTHERS): 1.5-5 qts. per acre per application.

ONIONS (DRY AND GREEN): 1.5-5 qts. per acre per application.

PEANUTS: 2.5-15 qts. per acre per application. First application at early-bloom stage. Repeat at intervals of 2 to 3 weeks as needed.

PEAS: 1.5 qts. per acre per application. First application at bud to early-bloom stage. Repeat in 2 to 3 weeks.

POTATOES: 2.5-8 qts. per acre per application. First application when plants are 4 to 12 inches high. Second application 3 weeks later. Repeat as needed.

RICE: See "Small Grains" this section.

SAFFLOWER: See "Oilseed Crops" this section.

SMALL GRAINS (BARLEY, OATS, RICE, SAFFLOWER, WHEAT): 1.5-5 qts. per acre per application.

SOYBEANS: 1-5 qts. per acre per application. First application at bud to early-bloom stage. Repeat in 2 to 3 weeks.

STRAWBERRIES: 2.5-5 qts. per acre per application. Do not apply after fruit starts to color as a possible visible residue may remain.

SUGAR BEETS: 2.5-8 qts. per acre per application. First application when plants are 6 to 8 inches across. Second application 3 to 4 weeks later. Repeat as needed.

TOBACCO: 1-2 qts. per acre starting at 2 weeks past transplanting to after topping.

WHEAT: See "Small Grains" this section.

#### VEGETABLE CROPS

CELERY: 1-5 qts. per acre per application.

COLE CROPS: 1-5 qts. per acre per application.

CUCUMBER AND OTHER CUCURBITS: 1-5 qts. per application. Make two or more applications at intervals of 2 to 3 weeks starting just prior to bloom.

LEAFY VEGETABLES: 1-5 qts. per acre per application.

LETTUCE: 1-5 qts. per acre per application.

PEPPERS: 1.5-5 qts. per acre per application in enough water to give even distribution of material. One to three applications are advised at 3- to 4-week intervals, starting in period prior to bloom.

SWEET POTATOES: See "Vegetable Root Crops" this section.

TOMATOES: 1.5-5 qts. per acre per application in enough water to give even distribution of material. One to three applications are advised at 3- to 4-week intervals, starting in period prior to bloom.

VEGETABLE CROP: 1.5-5 qts. per acre per application. First application at bud to early-bloom stage. Repeat applications at intervals of 2 to 3 weeks as needed.

VEGETABLE ROOT CROPS (BEETS, CARROTS, SWEET POTATOES): 1.5-5 qts. per acre per application.

#### ORNAMENTALS

CONIFERS: 1.5-8 qts. per acre per application.

FLOWER SEED CROPS: 1.5-5 qts. per acre per application. First application at bud to early-bloom stage. Repeat applications at intervals of 2 to 3 weeks as needed.

#### MELONS

MELONS: 1-5 qts. per application. Make two or more applications at intervals of 2 to 3 weeks starting just prior to bloom.

#### SOIL

1-4 gals. per acre as a general application rate.

#### TURF

COOL- & WARM-SEASON GRASSES: 1/8-1/4 lb. K<sub>2</sub>O (5-10 oz.) per 1,000 sq. ft. Repeat every 2-3 weeks or as needed during the growing season.

DO NOT APPLY NEAR WATER, STORM DRAINS, OR DRAINAGE DITCHES. DO NOT APPLY IF HEAVY RAIN IS EXPECTED. APPLY THIS PRODUCT ONLY TO YOUR LAWN/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

#### CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

This label is believed to be reliable and must be followed carefully. Injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to subject to factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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SPECIMEN LABEL

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