

# Cal-Source® Premium 16

## 9-0-3

FOR FOLIAR AND SOIL APPLICATIONS

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	9.00%
0.50% Ammoniacal Nitrogen	
7.70% Nitrate Nitrogen	
0.40% Urea Nitrogen	
0.40% Water Insoluble Nitrogen	
Soluble Potash (K <sub>2</sub> O) .....	3.00%
Calcium (Ca) .....	9.00%
Boron (B) .....	0.15%
Zinc (Zn) .....	0.15%
0.15% Chelated Zinc	

**Derived from:** Calcium Nitrate, Ammonium Nitrate, Potassium Nitrate, Urea, Protein Hydrolysate, Boric Acid, and Zinc EDTA (Ethylenediaminetetraacetic acid).

**WARNING:** This product contains boron (B) and may be harmful to certain crops. Use only according to manufacturer's directions.

**KEEP OUT OF REACH OF CHILDREN**



**WARNING**

Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

F1548

FOR AGRICULTURAL OR COMMERCIAL USE ONLY



GUARANTEED BY:

LOVELAND PRODUCTS, INC.® • PO BOX 1286 • GREELEY, CO 80632-1286

DENSITY 12.3 LBS/GALLON @ 68° F

NET WEIGHT 30.75 LBS (13.94 kg)

**LIQUID MEASURE 2.5 US GALLONS (9.46 L)**

CalSourcePremium16\_12815

product code: 1000171774

## GENERAL INFORMATION

**CAL-SOURCE® PREMIUM 16** is a proprietary water-soluble nutrient technology combining calcium, potassium, boron and zinc with protein hydrolysate. This formulation contains protein hydrolysate obtained from hydrolysis of protein to amino acids and short polypeptides that are a source of nitrogen. It is designed for foliar and/or drip/micro sprinkler application and may be applied alone or in tank mixes containing pesticides. However, when use of an unfamiliar mix is made, a compatibility test is always recommended. Foliar fertilization and or nutrient fertigation is a supplement to a regular fertilizer program and will not supply the total nutrients required by a crop. **CAL-SOURCE PREMIUM 16** is recommended as foliar and/or drip/micro sprinkler irrigation nutrition to be applied to crops where disorders due to insufficient calcium are anticipated.

## FERTIGATION

**CAL-SOURCE PREMIUM 16** is ideal for application through irrigation water. Best results are obtained with regular, low rate applications. **NOTE:** This product contains calcium and should NOT be mixed with products containing phosphorous or sulfur.

**DIRECTIONS FOR USE:** Add approximately ½ of the required amount of water to the spray tank. With agitation running, add **CAL-SOURCE PREMIUM 16** to the spray tank. Continue agitation while adding the remaining required water. Maintain agitation until all of the mixture has been sprayed. Add **CAL-SOURCE PREMIUM 16** to the spray tank before adding pesticides. Do not store solution mixed with pesticide.

## RECOMMENDATIONS FOR USE

**Alfalfa: Foliar Application:** 1 pt/acre to be applied after cutting or at a minimum of 4 to 6 inches re-growth. Can be included in weevil sprays.

**Almonds: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 10 to 14 days starting at pink bud and continuing up to the last irrigation.

**Apples: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 10 to 14 days starting at bud swell and continuing up to the last irrigation.

**Asparagus: Drip Irrigation Application:** 0.5 to 1 pt acre to be applied every 7 to 10 days starting at 7 days after emergence up to the last irrigation.

**Avocados: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 10 to 14 days starting at bud swell and continuing up to the last irrigation.

**Beans: Foliar Application:** 1 pt/acre. 1st application between 2nd and 3rd trifoliolate leaf stage 2nd application at 1st bloom stage (less than 10% bloom).

**Brussels Sprouts: Drip Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation.

**Celery, Chicory Drip Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation.

**Chinese Cabbage: Drip Irrigation Application:** 0.5 to 1 pt/acre applied

every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation.

**Cole Crops: Drip Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation.

**Cherries, Plums: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 10 to 14 days starting at bud swell and continuing up to the last irrigation.

**Citrus Drip/ Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 10 days starting at first flush.

**Corn (Silage) Foliar Application:** 1.5 to 2 pts/acre to be applied at early tassel or 6 to 8 leaf stage of growth.

**Cotton: Foliar Application:** 3 applications starting at pin head stage, flowering and boll development. **Drip Irrigation Application:** 0.5 pt/acre to be applied every 7 to 10 days through the drip injection beginning at first flower and continuing until 4 weeks prior to harvest.

**Cucumbers, Melons, Peppers, Tomatoes: Drip Irrigation Application:** 0.5 to 2 pts/acre applied every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation. **Foliar Application:** 0.5 to 2 pts/acre applied every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation.

**Grapes – Wine: Drip Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 14 days starting at bud swell and continuing up to the last irrigation before harvest.

**Grapes: Table Drip Irrigation Application:** 0.5 to 1 pts/acre to be applied every 7 to 10 days through drip injection starting at bud swell up to the last irrigation before harvest.

**Leafy Vegetables: Drip Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation.

**Lettuce (Leaf & Head) Drip Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 14 days starting 7 days after transplant and/or emergence and continuing up to the last irrigation.

**Kiwi Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 10 to 14 days starting at bud swell and continuing up to the last irrigation.

**Nut Crops: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt /acre to be applied every 7 to 10 days through drip injection starting at bud swell up to the last irrigation before harvest.

**Onions: Drip Irrigation Application:** 0.5 to 2 pts/acre applied every 7 to 10 days starting at bulb swell and up to the last irrigation. **Foliar Application:** 0.5 to 2 pts/acre applied every 7 to 10 days starting at bulb swell and up to the last irrigation.

**Pears: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 10 to 14 days starting at bud swell and continuing up to the last irrigation.

**Stone Fruits such as Peaches and Nectarines: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 10 to 14 days starting at bud swell and continuing up to the last irrigation.

**Potatoes: Foliar Application:** Apply 1 to 2 pts/acre 30 days prior to vine kill.

**Strawberries and other berries: Drip Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 10 days starting at flowering and continuing up to the last

irrigation.

**Sugar Beets: Foliar Application:** One application at 1.5 to 2 pts/acre 30 to 45 days prior to harvest.

**Tomatoes (fresh & processing): Drip Irrigation Application:** 0.5 to 2 pts/acre applied every 7 to 14 days starting 7 days after transplant and/or stand establishment and continuing up to the last irrigation. **Foliar Application:** 0.5 to 2 pts/acre applied every 7 to 14 days starting 7 days after transplant and/or stand establishment and continuing up to the last irrigation.

**Walnuts: Drip/Micro Sprinkler Irrigation Application:** 0.5 to 1 pt/acre applied every 7 to 10 days starting at bud swell through last irrigation prior to harvest.

Rates recommended are for standard ground spray volumes of 10 to 150 gal/acre. For higher volume sprays, rate should be adjusted. **Cal-Source Premium 16** is compatible with insecticides and fungicides and can be part of the tank mix with these products.

**Caution: Store Cal-Source Premium 16** in temperatures between 41° F to 104° F and avoid extreme variations in temperature. A reversible separation of ingredients may occur after long storage; this however does not affect quality or effectiveness of the product. Include a surfactant, such as Loveland **Widespread® Max** with wetting and penetrating characteristics.

#### 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 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. Plastic: Triple rinse (or equivalent), adding rinse water to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal.

**HANDLING:** Avoid breathing fertilizer mists. 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.

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.

CALIFORNIA PROPOSITION 65: 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>

Cal-Source is a registered trademark of Crop Production Services, Inc.  
Widespread is a registered trademark of Loveland Products, Inc.

