



HELM



aCalsa<sup>SC</sup> 0-15\*-0

**GUARANTEED ANALYSIS**

Total Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>) ..... 15%  
Calcium (Ca) ..... 9%

Derived from Phosphorous Acid, Calcium Carbonate, and Calcium Phosphite.

\*Phosphorous acid products are for use as a supplemental fertilizer treatment. \*Upon foliar application, the phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or will be used directly by plants, as phosphite ions. \*As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. In addition, placement close to seeds or root zones may be injurious to crops. The effect may be aggravated by a soil pH below 6.5.

**GENERAL RECOMMENDATIONS:** aCalsa<sup>SC</sup> is a concentrated nutrient suspension, including calcium, in highly concentrated forms which is beneficial to plant growth, flowering, crop development, crop quality, yield, rooting, root development and transplant establishment when applied as a properly timed foliar or soil application.

**Follow Manufacturer's Recommended Directions For Use.** Applications of aCalsa<sup>SC</sup> should be part of a fertility program based upon soil and tissue testing data and is intended for use as a supplemental fertilizer treatment. Always follow the label instructions. Mix the product thoroughly before use. Slowly add the product to a half-filled spray tank via the induction hopper whilst maintaining agitation. Keep agitating until spraying is complete.

- > **Foliar Application:** aCalsa<sup>SC</sup> may be applied by air or with all types of ground spraying equipment. For aerial application, apply 1 to 4 pints per acre in a minimum of 6 1/4 to 25 gallons of water per acre. Do not exceed a maximum product concentration of 2% volume/volume.
- > **Ground application:** Apply 1 to 4 pints per acre. Do not exceed a maximum product concentration of 2% volume/volume. For the following product rates, do not use less than the corresponding gallons of water per acre: 1 pint/acre = 6 1/4 gallons of water/acre; 2 pints/acre = 12 1/2 gallons of water/acre; 3 pints/acre = 18 3/4 gallons of water/acre; 4 pints/acre = 25 gallons of water/acre.
- > **Soil Application:** aCalsa<sup>SC</sup> may be applied to the soil by all types of soil spraying/injection equipment and through certain types of irrigation systems. Refer to the IRRIGATION SYSTEM APPLICATION section. Apply 1 to 4 pints per acre. Do not exceed a maximum product concentration of 2% volume/volume.

**Statement of Compatibility:** aCalsa<sup>SC</sup> is compatible with most commonly used foliar pesticides, chemically neutral fertilizers and micronutrients. When co-applying with other materials reduce the concentration to 1% volume/volume. Co-application is entirely at the risk of the end user. USER ASSUMES FULL RESPONSIBILITY to ensure compatibility when tank mixing with other products. Information regarding the contents and levels of metals in this product is available by calling 813.621.8846, or by contacting your certified HELM crop advisor. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

**KEEP OUT OF REACH OF CHILDREN.**



**DANGER!** Wear gloves and goggles. Do not get in eyes, on skin, or on clothing. Causes serious eye damage. Causes Skin Irritation. Wash skin thoroughly after handling. Inhalation of sprays or mists may be harmful. Avoid breathing splash, sprays, or mists generated from this material. Store in tightly closed container. Wash thoroughly after handling this product. Take off contaminated clothing and wash it before reuse. If spilled on skin or splashed in eyes, rinse affected area for at least 15 minutes. Remove contact lenses, if present and easy to do. If in eyes, or any other irritation persists from exposure, continue rinsing and seek medical attention. **TARGET ORGANS:** Skin and eyes. Harmful if swallowed. Use in well-ventilated area. If involved in a fire, this material may decompose and produce irritating fumes and toxic gases (phosphorus oxides, carbon monoxide, and carbon dioxide). In the event of a spill, clean-up promptly using trained personnel and pre-planned procedures or contact **CHEMTREC at 1-800-424-9300** for assistance. Consult Safety Data Sheet for further information. **IMPORTANT NOTICE.** Seller warrants that this product conforms to its chemical description as stated on the label. The product is reasonably fit for the purpose stated on the label when used in accordance with the label directions and instructions under normal conditions of use. Neither this warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions or under abnormal conditions or under conditions not foreseeable to the seller. Buyer assumes the risk of any such use. **WARNING. AS WITH ALL MATERIALS, USER SHOULD EXERCISE PRECAUTION TO AVOID POTENTIAL PHYTOTOXICITY INCLUDING FOLIAR BURNING. PRECAUTION IS ADVISED IF APPLYING THIS PRODUCT IN COMBINATION WITH OTHER MATERIALS SINCE MIXING COULD RESULT IN A POTENTIALLY HAZARDOUS OR UNDESIRABLE REACTION CAUSED BY PRODUCT INCOMPATIBILITIES. A COMPATIBILITY TEST IS RECOMMENDED BEFORE TANK MIXING WITH OTHER PRODUCTS. THE pH OF ANY FINAL SPRAY SOLUTION SHOULD BE CHECKED AND AN APPROPRIATE AMOUNT OF THE SOLUTION BE TANKED TO A SMALL AREA OF THE INTENDED CROP TO ENSURE PLANT COMPATIBILITY PRIOR TO THE PLANNED APPLICATION. USER ASSUMES FULL RESPONSIBILITY TO ENSURE PRODUCT, EQUIPMENT AND PLANT COMPATIBILITIES. REFER TO SAFETY DATA SHEET FOR ADDITIONAL INFORMATION. IN THE EVENT OF A SPILL, FLUSH THE AREA WITH WATER AND CONSULT TRAINED PERSONNEL.**

**Product Guaranteed by:**

HELM Agro US, Inc.  
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# THIS PRODUCT IS INTENDED FOR AGRICULTURAL USE. SHAKE WELL, AGITATE OR CIRCULATE BEFORE USE.

## SUGGESTED USES:

Consult your certified HELM Agro crop advisor for specific crop or regional recommendations.

### ARABLE CROPS: RECOMMENDED USES, APPLICATIONS AND TIMINGS:

#### > Cereals:

- o 8 ounces/acre at Feekes 5-7
  - Maximum individual dose: 1.0 pint/acre
  - Maximum seasonal dose: 1 qt/acre

#### > Oilseed Rape:

- o 8 ounces/acre at stem extension, green bud to first yellow bud
  - Maximum individual dose: 1.0 pint/acre
  - Maximum seasonal dose: 8.0 pints/acre

#### > Potatoes:

- o 1 to 2 pints/acre at tuber initiation up to and including tuber bulking. An early application can be made at hooking stage.
  - Maximum individual dose: 2.0 pints/acre
  - Maximum seasonal dose: 8.0 pints per acre

#### > Pulses:

- o **Peas:** 0.5 pints/acre at 2nd node stage & 1st flower bud visible
- o **Beans:** 0.5 pints/acre at 2nd side shoot visible & 1st flower bud visible
- o Maximum individual dose: 2.0 pints/acre
- o Maximum seasonal dose: 8.0 pints/acre

For vegetable crops, permanent crops, and other crops, please refer below. For all other crops (including horticultural, amenity, and fruit) please contact your local HELM Agro agronomist.

#### > VEGETABLE CROPS INCLUDE: TOMATOES AND PEPPERS, LETTUCE, SPINACH AND OTHER LEAFY VEGETABLES, BROCCOLI, CAULIFLOWER AND OTHER BRASSICA VARIETIES, MELONS, CUCUMBERS AND OTHER CUCURBITS, BEANS AND PEAS, POTATOES, ONIONS AND OTHER VEGETABLE ROOT, BULB OR TUBER CROPS

#### > SUGGESTED APPLICATIONS:

- o **FOR VEGETABLE CROPS:** Apply 1 to 4 pints per acre per application. Apply the first application at second true leaf stage. Apply one to two subsequent applications at ten-to-fifteen-day intervals or as needed to supplement nutritional requirements.

#### > PERMANENT CROPS INCLUDE: ALMONDS, WALNUTS AND OTHER NUT CROPS, PLUMS, NECTARINES AND OTHER STONE FRUITS, APPLES, PEARS AND OTHER POME FRUITS, KIWI, CITRUS AND AVOCADOS, OLIVES, GRAPES

#### > SUGGESTED APPLICATIONS:

- o **FOR ALMONDS, WALNUTS AND OTHER NUT CROPS:** Apply 1 to 4 pints per acre per application. Apply first application at bud break. Apply subsequent applications at thirty-day intervals up to nut fill or as needed to supplement nutritional requirements.
- o **FOR PLUMS, NECTARINES AND OTHER STONE FRUITS:** Apply 1 to 4 pints per acre per application. Apply first application at bud break or pink bud. Apply subsequent applications at jacket fall, fruit thinning and two to three weeks prior to harvest or as needed to supplement nutritional requirements.
- o **FOR APPLES, PEARS AND OTHER POME FRUITS:** Apply 1 to 4 pints per acre per application. Apply first application at green tip. Apply subsequent applications at thirty-day intervals up to harvest or as needed to supplement nutritional requirements.
- o **FOR KIWI AND CITRUS AND AVOCADOS:** Apply 1 to 4 pints per acre per application. Apply first application pre-bloom. Apply subsequent applications at thirty-day intervals up to harvest or as needed to supplement nutritional requirements.
- o **FOR OLIVES:** Apply 1 to 4 pints per acre per application. Apply first application 2 to 3 weeks pre-bloom. Apply subsequent applications at petal fall and at thirty-day intervals up to harvest or as needed to supplement nutritional requirements.
- o **FOR GRAPES:** Apply 1 to 4 pints per acre per application. Table Grapes: Apply a single application two weeks prior to bloom. Do not apply after bloom. Wine Grapes: Apply first application two weeks prior to bloom. Apply subsequent applications at bunch pre-closing, véraison and two to three weeks prior to harvest or as needed to supplement nutritional requirements.

#### > OTHER CROPS INCLUDE: RASPBERRIES, BLACKBERRIES AND OTHER CANE BERRIES, BLUEBERRIES, CRANBERRIES AND OTHER BUSH BERRIES, HOPS, STRAWBERRIES

#### > SUGGESTED APPLICATIONS:

- o **FOR RASPBERRIES, BLACKBERRIES AND OTHER CANE BERRIES, BLUEBERRIES, CRANBERRIES AND OTHER BUSH BERRIES, HOPS:** Apply 1 to 4 pints per acre per application. Apply first application pre-bloom. Apply subsequent applications at thirty-day intervals up to harvest or as needed to supplement nutritional requirements.
- o **FOR STRAWBERRIES:** Apply 1 to 4 pints per acre per application. Apply the first application after transplanting. Apply at thirty-day intervals or as needed to supplement nutritional requirements.

#### > IRRIGATION SYSTEM APPLICATIONS: Applications of aCalsa® SC to the soil can be made through certain irrigation systems including, but not limited to, low volume systems (e.g. micro sprinklers, drippers, drip tape and fanjets) and typical sprinkler systems (e.g. solid set, pull and hand move). The specific injection equipment and irrigation system must conform to all federal, state and local regulations pertaining to the fertilization of plants through an irrigation system. Accurate and properly calibrated injection equipment and an irrigation system that is operated at maximum distribution uniformity will help avoid plant injury and/or product ineffectiveness. For best results, apply aCalsa® SC toward the end of the irrigation set and allow sufficient time for the product to be flushed completely out of the entire irrigation system prior to turning off the irrigation water.

- > **USE, STORAGE, AND DISPOSAL:** Avoid application under extremes of climate e.g. rapid drying conditions, extremely slow drying conditions, frost, rain etc. Wear suitable protective clothing and clean all equipment immediately after use. Store in dry area, out of the reach of children and livestock. Store above a temperature of 32° F and below a temperature of 120° F. When mixing products ensure the concentrates do not come into contact; add aCalsa® SC last. DO NOT EMPTY INTO DRAINS. WASH OUT CONTAINER THOROUGHLY BEFORE DISPOSAL. DISPOSE OF THIS MATERIAL AND ITS CONTAINER IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND/OR LOCAL ORDINANCES.
- > **WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY** The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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