



Lift here 

# ACA Plus<sup>®</sup>

## 7-0-0



MICRONUTRIENT PREMIX  
VERSATILE FERTILIZER ADDITIVE FOR USE ON MANY CROPS  
MIXES READILY IN WATER AND MOST LIQUID FERTILIZERS

#### GUARANTEED ANALYSIS

Total Nitrogen (N) .....7.00%  
7.00% Ammoniacal Nitrogen  
Zinc (Zn) .....8.50%

**Derived From:** Ammonium Acetate, Anhydrous Ammonia, and Zinc Oxide

Chlorine (Cl), Maximum.....0.01%

**KEEP OUT OF REACH OF CHILDREN**

**F1548**



## WARNING

Contains Ammonia. Avoid breathing fumes. Avoid contact with eyes, skin and clothing. Causes eye and skin irritation.



**Density: 10.09 lbs/gallon @ 68 °F**  
**Net Contents: 2.5 gallons (9.46 liters)**  
**Net Weight: 27.25 lbs (12.36 kg)**

GUARANTEED BY: LOVELAND PRODUCTS, INC.® P.O. BOX 1286 GREELEY, CO 80632-1286

ACAPlus\_E0417

## GENERAL INFORMATION

ACA PLUS® 7-0-0 is a plant nutrient solution that contains ACA®, a patented agricultural crop additive, in a super soluble, neutral pH formulation. When used as a supplement to a regular fertilizer program, this product may improve vigor, quality, production and stress tolerance in a broad range of crops. It will not by itself provide all the nutrients normally required by crops.

ACA PLUS 7-0-0 can be used for a number of different applications, such as:

Dry fertilizer impregnation	Foliar applications
Soil applications	Transplant solutions

A few of the crops that can be treated are:

Alfalfa	Cabbage	Carrots	Celery
Corn	Cucurbits	Dry Beans	Okra
Onions	Potatoes	Snap Beans	Soybeans
Sugarbeets	Sunflowers	Tomatoes	Turk
Wheat	Many Others		

General information for these applications is provided on this label. Consult current product bulletins for additional information.

## EQUIPMENT

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

## COMPATIBILITY

Proposed mixtures containing ACA PLUS 7-0-0 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 ACA PLUS 7-0-0 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

In combination with water based mixtures, nitrogen solutions, or pesticides, mix as follows:

- 1) Fill mixing tank about 0.50 full with water.
- 2) Start agitation and add required amount of ACA Plus 7-0-0.
- 3) Finish filling tank with water and pesticide. Continue agitation until tank is emptied. Apply the spray mixture as soon as possible and avoid storing for prolonged periods.

**Note:** When combining ACA Plus 7-0-0 with phosphate fertilizers, mix as follows:

- 1) Add a small amount of fertilizer to the mixing tank.
- 2) Start bypass agitation, then add the required amount of ACA Plus 7-0-0, and vigorously agitate until it is completely mixed into solution.
- 3) Add remaining phosphate fertilizer and continue agitation until tank is emptied. When phosphate fertilizers are combined with ACA Plus 7-0-0, bypass agitation alone does not provide sufficient agitation to ensure a good product mixture. Remove in line strainers on the suction side of the pump when combining ACA Plus 7-0-0 with phosphate fertilizers. Liquid fertilizer is typically used as the diluent for starter or side dress applications. Check compatibility of specific liquid fertilizer mixtures before use. Using at least 5.0 to 10.0 gallons of liquid fertilizer per acre generally results in best compatibility.

## APPLICATIONS

**Broadcast, Band or Side Dress Applications to Soil:** The soil broadcast rate of ACA PLUS 7-0-0 is 3.0 to 5.0 pints per acre. For band or side dress applications use 1.0 to 3.0 pints per acre. Typical application timing is from 2 weeks preplant through early cultivations or early postemergent crop stages. Row crops generally respond better when the product is applied closer to the seed furrow. Best results may be obtained when ACA PLUS 7-0-0 is incorporated or injected below the soil surface. Rainfall or irrigation soon after application may also aid in achieving proper placement. When mixing this product with starter fertilizers, use at least 2.0 gallons of starter for each 1.0 pint of ACA PLUS 7-0-0. For certain vegetable crops and gardens, a band application over the planted row followed by watering-in is a useful method of application.

**In-Furrow Injection Application to Soil:** Apply at the rate of 1.0 to 3.0 pints per acre at planting. In order to deliver the recommended amount, injection equipment must be calibrated using the same mixture that will be applied. Consult equipment manufacturer's literature for calibration procedure. If dilution is necessary to obtain the proper flow rate, use only clean water or microfiltered 28-0-0 for dilution. In cool weather (35° to 60° F) where temperatures are expected to fluctuate during the application period, the flow rate will be most consistent if at least 1 part water is used with each 2 parts of ACA PLUS 7-0-0. If pesticides are added, check compatibility and follow label precautions and directions for each product used. Injection pump units for planter or drill mounting are available from Custom Ag Products, Inc.; Benson, Minnesota.

**Drip Irrigation Systems:** Apply 1.0 to 3.0 pints per acre several times from preplant through seedling and early vegetative crop stages. Regular growing season use may be desired for established groves or orchards, although spring is probably the best time for a single application. For new plantings, apply in spring. Use a backflow prevention device to avoid contamination of the water supply.

**Foliar Applications:** For foliar applications, apply at the rate of 1.0 to 2.0 pints per acre. Use a minimum spray volume of 5.0 gallons of water per acre by air and 8.0 gallons of water per acre by ground. Several applications per growing season may be beneficial. Consult with local agricultural advisors regarding potentially sensitive crop varieties. If applied through a sprinkler system, use a backflow prevention device to avoid contamination of the water supply.

**Transplant Solutions:** Apply at the rate of 1.5 to 3.0 pints per acre in sufficient water to thoroughly drench soil around transplants and move ACA PLUS 7-0-0 into the root zone. Approximately 50.0 to 200 gallons of water per acre may be needed, depending on equipment. A compatible high phosphate fertilizer, such as 10-34-0 or 8-31-4, may be added if desired. Many transplant programs use about 2.0 quarts per acre of such fertilizer. Seedbeds can be treated similarly soon before or after seeding.

**Dry Fertilizer Impregnation:** Many dry fertilizers may be impregnated with ACA PLUS 7-0-0. Treat such that the 3.0 to 5.0 pints per acre application rate will be achieved when the dry fertilizer is spread. Blends containing at least 50% of a mixture of urea, ammonium phosphate and/or nitrate type fertilizers are generally suitable for impregnation. However, blends high in urea may become sticky depending on the total amount of liquid applied. Apply ACA PLUS 7-0-0 uniformly to the dry blend using a spray bar in the blender, a nozzle mounted on an auger, a nozzle mounted over a conveyor, or other similar setup. Use water to dilute ACA PLUS 7-0-0 if additional spray volume is needed for coverage. For best results, dry blends must be applied to soil uniformly and should be incorporated into the root zone of the crop. Use the blend as soon as possible after blending.

## 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 CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. LOSS OF AMMONIA WILL CAUSE PRODUCT TO SOLIDIFY. Store in a cool, dry, well ventilated place, preferably in a locked storage area. Store out of direct sunlight. **PRODUCT DISPOSAL:** If possible, dispose of excess product by use according to label directions. Contact your state environmental agency or the hazardous waste representative at your EPA Regional Office for guidance on other approved practices. **CONTAINER DISPOSAL:** Do not reuse container for other purposes. Triple rinse container, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

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.

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

ACA Plus is a registered trademark of Loveland Products, Inc.

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