

pHortress®

0-37*-24

GUARANTEED ANALYSIS

Total Phosphoric Acid (P ₂ O ₅)	37.00%
21.00% Available Phosphoric Acid	
Soluble Potash (K ₂ O)	21.00%
Manganese (Mn)	0.20%
0.20% Chelated Manganese	
Zinc (Zn)	0.20%
0.20% Chelated Zinc	

Derived From: Monopotassium Phosphate, Phosphorous Acid, Potassium Hydroxide, Manganese EDTA, and Zinc EDTA. (EDTA is Ethylenediaminetetraacetic acid)

*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 roots may be injurious to crops. The effect may be aggravated by a soil pH below 6.5.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

F1548

FOR COMMERCIAL OR PROFESSIONAL USE ONLY



GUARANTEED BY:

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

DENSITY 13.85 LBS./GALLON (1.66 kg/L) @ 68° F

NET WEIGHT 34.63 LBS. (15.70 kg)

LIQUID MEASURE 2.5 US GALLONS (9.46 L)

GENERAL INFORMATION

pHortress is a concentrated liquid nutrient suspension with EDTA chelated micronutrients. It is designed for both foliar and chemigation applications and may be applied alone or in tank mixes containing pesticides. This soil and foliar fertilizer is intended as a supplement to your standard fertilizer program and will not supply all of nutrients required by a crop.

DIRECTIONS FOR USE

Mix the desired amount of **pHortress** in water before adding to the spray tank. With proper agitation running, add **pHortress** to the spray tank. Add **pHortress** to the spray tank before adding pesticides. Spray immediately after mixing. Do not store solution mixed with pesticide!

SUGGESTED USE RATES

CROP - RATE/ACRE - NUMBER & TIMING OF APPLICATIONS

Alfalfa: 3-8 pts/acre. Apply as soon as soil temperature reaches 55° at 6" and repeat after cutting as required.

Almonds, Pistachios: 3-8 pts/acre. Apply 2-3 applications as required from post bloom to hull split.

Apples: 3-8 pts/acre. Apply 2-3 applications starting at immediate post bloom through early sizing, including 14-21 days post harvest.

Apricots, Nectarines, Peaches: 3-8 pts/acre. Apply 2-3 applications starting at blossom drop to early color, including post harvest. Use lower rates when fruit begins to color.

Avocados: 3-8 pts/acre. Multiple applications as required.

Caneberries: 3-8 pts/acre. Apply pre-bloom with subsequent applications at 30 - 90 day intervals or as needed.

Ornamentals- Drench Applications: 3-6 pints per 100 gallons per every 1000 sq. ft. of surface area. Repeat applications throughout the growing season at 30-day intervals as required.

Commercial nursery and herbaceous ornamental plants: 3-8 pts/acre per 100 gallons water. Apply after transplanting and repeat application throughout the growing season at 30-day intervals.

Cranberries: 3-8 pts/acre. Apply 2 applications, one each immediately post bloom and 21-30 days later.

Chicory: 3-8 pts/acre. Apply 2 applications during the season as required.

Cherries, Plums, Prunes: 3-8 pts/acre. Apply 2-3 applications starting at blossom drop to early color, including post harvest. Use lower rates when fruit begins to color.

Citrus: 3-8 pts/acre. Multiple applications as required.

Cotton: 3-8 pts/acre. Apply 2-3 applications from squaring to full boll development.

Cucurbits: Cucumber, Cantaloupe, Watermelon, Summer and Winter Squash and Pumpkin: 3-8 pts/acre. Apply 2-3 applications from bloom through fruit sizing.

Dry Beans: Kidneys, Pintos, Limas: 3-8 pts/acre. Apply 2 applications, one each immediately pre-bloom and again 30-45 days later.

Grapes: 3-8 pts/acre. Apply 2-3 applications from post shatter through early ripening.

Hops: 3-8 pts/acre. Apply 3-4 applications from first runner through berry sizing as required.

Kiwi: 3-8 pts/acre. Apply 2-3 applications from pre-bloom to full sizing.

Leafy Vegetables and Brassica (Cole): Broccoli, Cabbage, Cauliflower, Celery, Lettuce (Head, Leaf and Romaine) and Spinach: 3-8 pts/acre.

Apply as required based on desired color and growth.

Onions: 3-8 pts/acre. Multiple applications during growing season.

Pears: 3-8 pts/acre. Apply 3 applications, one each at post bloom, 30-45 days pre-harvest, and 14-21 days post harvest.

Peppers, Tomatoes: 3-8 pts/acre. Apply 2-3 applications from bloom to first color.

Strawberries: 3-8 pts/acre. Apply 2 applications, one each at bloom and 21-30 days later.

Root and Tuber Vegetables: Carrot, Potato, Radish, Rutabaga, Sugar Beet, Sweet Potato, Turnip and Yams: 3-8 pts/acre. Apply 2-3 applications during the season as required.

Turf Grasses: 3-4 ounces per 100 sq. feet in a minimum of 2 1/4 gallons of water. Apply as required based on desired color and growth.

Walnuts: 3-8 pts/acre. Apply 2-3 applications as required from catkin emergence until June 15th.

For Soil Applications on tree fruit, vine and vegetable crops: 3-8 pts/acre. Apply 2-3 applications during the season as required.

For Foliar application: Use a maximum of 3 pints of **pHortress** per 10 gallons of water. Rates suggested are for standard spray volumes of 40-150 gal/acre. For higher volume sprays, rate should be adjusted.

Caution: Store **FIRST CHOICE pHortress** 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.

DO NOT COMBINE WITH COPPER SPRAYS AS PHYTOTOXICITY CAN OCCUR.

pHortress may be mixed with lower recommended rates of low biuret urea. Use caution when applying to fruiting crops in combination with pesticides and/or surfactants. Use minimal effective rates of stickers during ripening. Do not use high analysis organo silicones or high analysis non-ionics during ripening. Avoid application to fruit at elevated temperatures (>95° F). Avoid applications to crops under environmental stress or pest pressure. Maximum effectiveness will be obtained when applied early in the morning or after dusk.

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.

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.acrcycle.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 contact with or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

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, AND THE BUYER 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 ELECTED OPTION 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 EXCESS 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 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-ppi.com>