

# RSA Actaphos<sup>®</sup> 0-28-25

## Foliar Fertilizer

### GUARANTEED ANALYSIS

**0-28-25**

Available Phosphoric Acid ( $P_2O_5$ ) (AOAC Method 960.02) . . . . . 28%

Soluble Potash ( $K_2O$ ) . . . . . 25%

Derived from potassium phosphite.

ALSO CONTAINS NON-PLANT FOOD INGREDIENT

33% Phosphorous Acid

Formulated 4 lbs./gallon (479 grams/liter) Phosphorous Acid ( $H_3PO_3$ )

Contains no Available Phosphate ( $P_2O_5$ )

**F632**

## CAUTION

### KEEP OUT OF REACH OF CHILDREN

In case of contact with eyes and/or skin,  
immediately flush with plenty of water  
and seek medical attention.



*"The Finest Name  
in Plant Nutrition"*

Distributed by:  
RSA MicroTech, LLC  
P.O. Box 64589  
St. Paul, MN 55164-0589

**WEIGHT PER GALLON: 12.2 lbs. (5.53 kg)**

**NET CONTENTS:**

# STORAGE and DISPOSAL

Do not store below 32°F. Do not allow product to freeze. Store out of direct sunlight. Keep in a cool location out of reach of children and livestock. Dispose of empty containers by triple rinsing and discard empty containers in a landfill in accordance with current local, state, and federal regulations.

## GENERAL RECOMMENDATIONS

**RSA Actaphos® 0-28-25** is a nutritional supplement for a variety of crops. When applied properly it may be beneficial to plant growth, crop yield, and quality. **RSA Actaphos® 0-28-25** can be used as soil and/or foliar applications. It can also be applied through irrigation water.

**RSA Actaphos® 0-28-25** is generally compatible with pesticides and fertilizer solutions. It is compatible with most adjuvants. It is always advisable to test for compatibility on a small scale before large scale tank mixing product. Consult your state Agricultural Experiment Station, or Extension Agent for additional information on rates, timing of application and sensitivity of varieties or hybrids to phytotoxicity.

## COMPATIBILITY

Mixing **RSA Actaphos® 0-28-25** with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. **RSA Actaphos® 0-28-25** is a slightly acidic buffer solution. Avoid mixing **RSA Actaphos® 0-28-25** with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations. Always conduct a test with the intended tank mix on a small area prior to any large scale applications. To determine if a combination is phytotoxic to a specific crop, spray a small area of foliage and fruit, and then evaluate 3-7 days later for visual symptoms.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with **RSA Actaphos® 0-28-25** before use. Do not use acidifying type compatibility agents.

To determine the compatibility of **RSA Actaphos® 0-28-25** with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

## DIRECTIONS FOR USE

**SOIL APPLICATION: RSA Actaphos® 0-28-25** can be applied to soil through various types of irrigation systems. The application rate is 64 to 128 oz. per acre.

**FOLIAR APPLICATION: RSA Actaphos® 0-28-25** can be applied by air. Add recommended amount to 10 gallons of water. In concentrate or dilute ground sprayers, it should be diluted with at least 100 times of water.

**Alfalfa:** Apply 32-64 oz. per acre 1-2 weeks after each cutting.

**Almonds, Walnuts, Pistachios and Other Nut Crops:** Apply 32-64 oz. per acre (3-5 liters/hectare) pre-bloom with subsequent applications at 30- to 90-day intervals or as needed.

**Apples, Pears, and Other Pome Fruits:** Apply 32-64 oz. per acre (3-5 liters/hectare) pre-bloom with subsequent applications at 30- to 90-day intervals or as needed.

**Apricots, Peaches and Other Stone Fruits:** Apply 32-64 oz. per acre (3-5 liters/hectare) pre-bloom with subsequent applications at 30- to 90-day intervals or as needed.

**Avocado:** Apply 32-64 oz. per acre (3-5 liters/hectare) pre-bloom with subsequent applications at 30- to 90-day intervals or as needed.

**Brassica (cole) except leafy vegetables (including but not limited to: Broccoli, Brussels Sprouts, Cabbage, Cauliflower):** Apply 32-64 oz. per acre (3-5 liters/hectare) when plants are well established. Repeat the application 1 to 2 times with an interval of 10 to 15 days or as needed.

**Bulb Vegetables (including but not limited to: Onion, Garlic and Leeks):** Apply 32-64 oz. per acre (3-5 liters/hectare) when plants are well established. Repeat the application 1 to 2 times with an interval of 10 to 15 days or as needed.

**Citrus, Grapes, Hops, Kiwi, Olives:** Apply 32-64 oz. per acre (3-5 liters/hectare) pre-bloom with subsequent applications at 30- to 90-day intervals or as needed.

**Cotton:** Apply 32-64 oz. per acre starting at pinhead square.

**Cucurbit Vegetables (including but not limited to: Cucumber, Muskmelon and Summer Squash):** Apply 32-64 oz. per acre (3-5 liters/hectare) when plants are well established. Repeat the application 1 to 2 times with an interval of 15 to 20 days or as needed.

**Fruiting Vegetables (except cucurbits) (including but not limited to Eggplant, Peppers and Tomato):** Apply 32-64 oz. per acre (3-5 liters/hectare) when plants are well established. Repeat the application 1-2 times with an interval of 15 to 20 days or as needed.

**Leafy Vegetables (except brassica vegetables) (including but not limited to: Celery, Lettuce, and Spinach):** Apply 32-64 oz. per acre (3-5 liters/hectare) when plants are well established. Repeat the application 1 to 2 times with an interval of 10 to 15 days or as needed.

**Legume (succulent or dried) (including but not limited to: Bean, Pea, Peanuts, and Soybeans):** Apply 32-64 oz. per acre (3-5 liters/hectare) at bud stage prior to bloom. Repeat the applications 1 to 2 times with an interval of 10 to 15 days or as needed.

**Pineapples:** Dip or Drench Applications: For pre-plant dip or soil drench after planting, dilute 64 oz. per 100 gallons (500 ml/100 L) of solution. Apply at planting.

**Foliar Spray:** Dilute 64 to 96 oz. per 100 gallons (500-750 ml/100 L) of spray solution. Spray until wet. Apply at 3-month intervals or as needed. The rate of product per acre is approximately 2 quarts. After fruit is present, the use of **RSA Quick Cal** (1 to 2 quarts per acre) along with **RSA Actaphos® 0-28-25** will help improve fruit quality. Please keep spray solution slightly agitated.

**Foliar Spray, applied to tops:** 14 days prior to harvest of planting material, dilute 64 oz. per 50 gallons (500 ml/50 L) of spray solution. This will cover enough slips to plant one acre.

**Root and Tuber Vegetables** (including but not limited to: carrot and sugar beets): Apply 32-64 oz. per acre (3-5 liters/hectare) when plants are 4-6 inches in height. Repeat the application 1 to 3 times with an interval of 10 to 15 days or as needed.

**Potatoes:** Apply 2 to 3 qts. per acre from tuber initiation to within 14 days after the start of tuber initiation.

**Raspberries and Blackberries:** Apply 32-64 oz. per acre (3-5 liters/hectare) pre-bloom with subsequent applications at 30- to 90-day intervals or as needed.

**Strawberries:** Apply 32-64 oz. per acre (3-5 liters/hectare) when plants are well established. Repeat the application 1-2 times with an interval of 10 to 15 days or as needed.

#### **Turf:**

**SOIL APPLICATION: RSA Actaphos® 0-28-25** can be applied to soil through various types of irrigation systems. The application rate is 64 to 80 oz. per acre (5-6 liters/hectare). If possible, inject during the last half of the irrigation cycle. Repeat application every 14 days or as needed.

**FOLIAR APPLICATION (general turfgrass areas): RSA Actaphos® 0-28-25** may be applied by air and concentrate or dilute ground sprayers. It should be diluted at least 50 times (v/v) in water. The application rate is 2-3 fl. oz. per 1,000 sq. ft. in a minimum of 1 to 2 gallons of water. Repeat application every 14 days or as needed. For best results do not irrigate or mow until area sprayed has completely dried.

**FOLIAR APPLICATION (Golf Course greens and tees): RSA Actaphos® 0-28-25** may be applied by air and concentrate or dilute ground sprayers. It should be diluted at least 60 (v/v) times in water. The application rate is 2-3 fl. oz. per 1,000 sq. ft. in a minimum of 2 gallons of water. Repeat application every 14 days or as needed. For best results do not irrigate or mow until area sprayed has completely dried.

#### **Commercial Nursery and Ornamental Crops:**

**Foliar:** Dilute 1 to 2 quarts per 100 gallons of water and spray on foliage until wet. Repeat at 2- to 4-week intervals.

For small areas, dilute 2/3 oz. of **RSA Actaphos® 0-28-25** in 1 gallon of water and apply to plants 1-2 weeks after potting or transplanting.

**Soil Drench:** Apply 2 to 4 quarts per acre.

**Irrigation:** Inject 1 to 2 quarts per acre into the irrigation system. If possible inject during the second half of the irrigation cycle. Repeat at 2- to 4-week intervals.

#### **Landscape and Established Ornamental:**

**Foliar:** Dilute 1 to 2 quarts per 100 gallons of water and spray on foliage until wet. Repeat at 2- to 4-week intervals.

**Irrigation:** Inject 1 to 2 quarts per acre into the irrigation system. If possible inject during the second half of the irrigation cycle. Repeat at 2- to 4-week intervals.

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

## **Notice of Warranty**

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal condition of use. Seller makes no warranties of merchantability or fitness for a particular purpose or any other express or implied warranty except as stated above. Under no circumstances will such warranty extend to the use, storage or handling of this product contrary to the label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller. The buyer shall assume all such risks of such use, including but not limited to crop injury, ineffectiveness, damage to plants, damage caused by drift to other plants or crops, personal injury or other unintended consequences. These consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the seller. In no case shall RSA MicroTech, LLC be liable for consequential, special or indirect damages resulting from the use or handling of this product.

Actaphos® is a registered trademark of RSA Microtech, LLC.