

Technical Bulletin

RSA Actaphos™ 0-28-25

RSA MicroTech
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Introduction

Actaphos™ 0-28-25 is part of a good plant nutrition program that produces healthier plants with less disease pressure and supplements a well-balanced nutrition program. Actaphos™ 0-28-25 contains plant nutrients designed for foliar and soil applications and use in irrigation systems.

Actaphos™ 0-28-25 contains phosphorous and potassium and is derived from phosphorous acid and potassium hydroxide. Because it is derived from phosphorous acid, it is different from the traditional orthophosphate fertilizer derived from phosphoric acid or salts. When neutralized by alkaline substances such as potassium hydroxide, it becomes a phosphite salt which is different from phosphate salt derived from phosphoric acid.

When Actaphos™ 0-28-25 is applied as a foliar, the phosphite ions are taken up directly by the plant foliage and may convert to phosphate ions or are utilized directly by the plants as phosphite ions. Phosphite ions are not as immediately available as phosphate ions.

Crops Labeled

Berries: blackberry, raspberry, strawberry

Commercial Nursery and Ornamental Crops

Field Crops: alfalfa, bean, hop, pea, sugar beet

Nut Crops: almond, pistachio, walnut and others.

Tree and Fruit Crops: apple, apricot, citrus, grape, kiwi, melon, olive, peach, pear, other pome and stone fruits.

Turf: sod farm, commercial production, golf course, park, and commercial landscape

Vegetables: beet, broccoli, cabbage, carrot, cauliflower, cucumber, garlic, lettuce, onion, pepper, potato (inc. sweet), spinach, tomato

Use Rates

Actaphos™ 0-28-25 rates vary depending on crop but are often 64 to 80 fluid ounces per acre for soil applications, 32 to 64 fluid ounces per acre for foliar applications, and 24 to 48 fluid ounces per acre for commercial nursery and ornamental crops. Use 2 to 3 fluid ounces per 1000 ft² for turf. It may be applied sequentially in many crops.

Timing and Placement

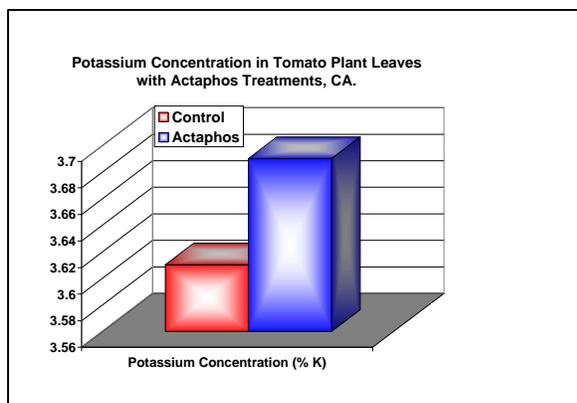
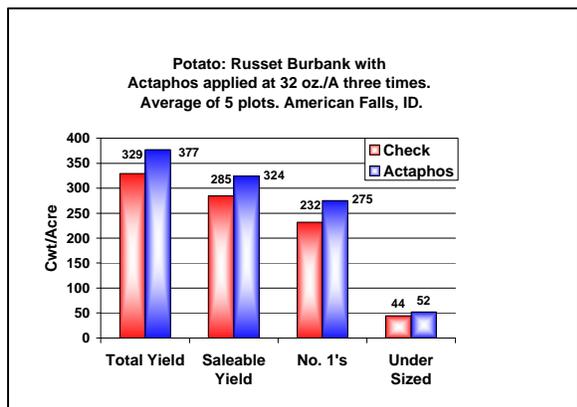
Actaphos™ 0-28-25 is a foliar or soil applied product and can be used in irrigation systems. Application timing is dependant on the specific crop or use. Timings range from the first irrigation in spring through when crops are well established. Actaphos™ 0-28-25 may be applied by air in at least 10 gallons of water or by ground diluted by at least 100 times water.



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Product Performance



Precautions

Do not apply with copper containing products. Do not apply copper products 20 days prior to or within 10 days after Actaphos™ 0-28-25.

If a severe phosphate deficiency is determined by tissue analysis, then a water soluble fertilizer such as 10-52-10 should be used in conjunction with Actaphos™ 0-28-25. More than one application of 10-52-10 at 3-5 pounds per acre may be required to overcome the deficiency. If additional nitrogen is needed, then 0.5 to 3 pounds of

urea per acre can be mixed with Actaphos™ 0-28-25.

Contents

Phosphoric acid (P₂O₅).....28%
Soluble potash (K₂O).....25%
Derived from phosphorous acid and potassium hydroxide.

Technical Specifications

Product class	fertilizer
Formulation	liquid
Weight/ gallon	12.2 pounds
Specific gravity	1.46
pH	6.2-6.5
Solubility in water	soluble
Appearance	clear to slight off color
Odor	odorless to slight odor
Min. storage temp.	32°F
Container size	2 x 2.5 gallons

This bulletin provides some technical information and is not intended to give complete information for all applications. Always read and follow label directions.

Actaphos is a trademark of and manufactured for RSA MicroTech.

