

# Technical Bulletin

## RSA Actaphos™ 0-60-0

RSA MicroTech  
P.O. Box 39, Marysville, WA 98270  
1.800.426.5969 [www.rsamicrotech.com](http://www.rsamicrotech.com)

### Introduction

Actaphos™ 0-60-0 is part of a good plant nutrition program that produces healthier plants with less disease pressure and supplements a well-balanced nutrition program. Actaphos™ 0-60-0 contains plant nutrients designed for soil applications and for drip and other irrigation systems. Actaphos™ 0-60-0 also may be used as an acidifying agent to lower the pH of irrigation water.

The phosphorus contained in Actaphos™ 0-60-0 is derived from phosphorous acid, making it different from the traditional orthophosphate fertilizer derived from phosphoric acid or salts such as MAP. When neutralized by alkaline substances such as potassium hydroxide, it becomes a phosphite salt, which is different from phosphate salt derived from phosphoric acid.

### Crops Labeled

**Berries:** blackberry, raspberry, strawberry

**Commercial Nursery and Ornamental Crops**

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

**Nut Crops:** almond, pistachio, walnut and others.

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

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

### Use Rates

Actaphos™ 0-60-0 nutritional rates vary depending on crop but are often 32 to 64 fluid ounces per acre for most crops and 24 to 48 fluid ounces per acre for commercial nursery and ornamental crops. It may be applied sequentially in many crops. Actaphos™ 0-60-0 should be diluted at a rate of 1 part: 10000 parts water when used in irrigation systems. For acidifying (buffering), use 1-2 pints per 100 gallons of water.

### Timing and Placement

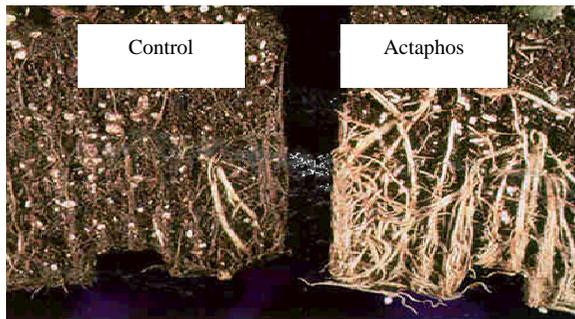
Actaphos™ 0-60-0 is a soil applied product and can be used in drip and other irrigation systems. Application timing is dependant on the specific crop or use. Timings range from the first irrigation in spring through when crops are well established.



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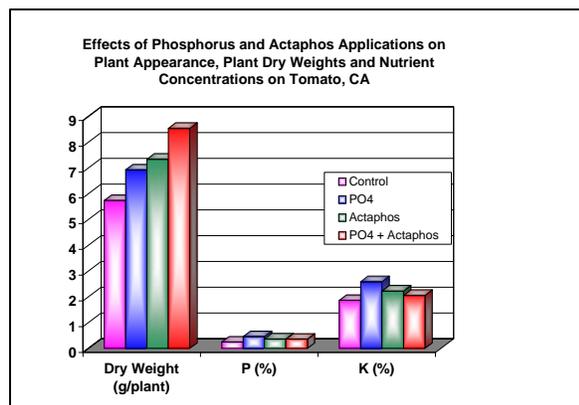
### Product Performance



Alyssum growth



Snapdragon growth



### Precautions

Do not apply with copper containing products. Do not apply copper products 20 days prior to or within 10 days after Actaphos™ 0-60-0 application. Placement close to the seed or root zones may injure

crops. The effect may be aggravated by a soil pH below 6.5. Soil application to the current crop may also result in a response from the following crop.

### Contents

Phosphoric acid (P<sub>2</sub>O<sub>5</sub>).....60%  
Derived from phosphorous acid.

### Technical Specifications

Product class	fertilizer
Formulation	liquid
Weight/ gallon	11.7 pounds
Specific gravity	1.4
pH	1.0
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

### Comparable Products

Helena Elemax® Soil Phosphite 0-60-0  
BioGro Western Nutri-Phite® P Soil 0-60-0  
JH Biotech Phosgard® 0-60-0

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

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