

# Technical Bulletin

## WIF 'P'

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

### Introduction

WIF 'P' contains a 100% water soluble ortho phosphate which is immediately available to the plant. When combined with an adequate soil phosphorus program, it helps produce quality in high value fruits and vegetables. WIF 'P' is designed to be dissolving in water followed by injection into irrigation systems.

WIF 'P' has an acidic pH and acts as a buffer when used at high concentrations. The following chart shows the stock solution pH will be when starting with a pH of 8.1

<u>Concentration</u>	<u>pH</u>
1 lb./ 100 gal.	6.3
1 lb./ 50 gal.	5.6
1 lb./ 10 gal.	5.4
1 lb./ 1 gal.	4.2

### Recommended Crops

**Berries:** blackberry, blueberry, cranberries, raspberry, strawberry

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

**Tree and Fruit Crops:** apple, grape (table and wine), cherry, citrus, stone fruits, cucurbits, avocado

**Vegetables:** beets, broccoli, cabbage, carrot, cauliflower, garlic, onions, peppers, peas, potato (inc. sweet), spinach, lettuce, tomato and others

### Use Rates and Timing

WIF 'P' is most often recommended at 3 to 20 pounds per acre per application. Use early in the growing season where phosphorous availability is crucial for the

establishment of the rooting system. Other applications should be made based on tissue analysis and or crop requirements. WIF 'P' is most often dissolved into a stock solution which is injected into the irrigation system, do not exceed 1.5 lbs of WIF 'P' per gallon of water. WIF 'P' can be used in all irrigation systems including, drip tape, solid set, overhead, sprinkler, drip and pivot



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### Precautions

Always dissolve WIF 'P' in the water prior to the addition of any other products. WIF 'P' is compatible with WIF 'K' and most commonly used pesticides an. However, it should not be used with lead arsenate, hydrated lime, lime sulfur, or other strongly alkaline materials. Do not use with amine forms of 2,4-D or with dicamba (e.g. Banvel<sup>®</sup>). In all cases, a jar test is recommended to determine compatibility of WIF 'P' with other materials before proceeding with high volume mixing.

### Packaging

25 lb poly bags  
50 lb poly bags  
2,000 lb super sacks

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

### Contents

Guaranteed Analysis 12-58-0

Total nitrogen (N).....	12%
12% Ammoniacal Nitrogen	
Available phosphate (P <sub>2</sub> O <sub>5</sub> ).....	58%
Sulfur (S) Total .....	1%
1% Sulfur (S) combined	
Arsenic (As).....	<0.003%
Cadmium (Cd).....	<0.002%
Iron (Fe).....	<0.005%
Lead (Pb).....	<0.001%

Derived from ammonium phosphate and ammonium sulfate.

### Technical Specifications

**Product class** fertilizer  
**Appearance** clear, pink odorless crystals  
**pH (1% solution)** 5.4 to 5.6  
**Water Solubility** 99.95% (% min)  
**Sieve Test (98% min)**  
-14 (1.41 mm) + 100 (0.18 mm)

