

Chemical Factsheet

Potassium Phosphite

Mono- and di- potassium salts of phosphorous acid

General Information

- Product Names:

Agri-Fos Systemic Fungicide (Liquid Fertilizer Pty. Ltd. [Trading as Agrichem Manufacturing Industries Pty Ltd])

Agri-Fos Systemic Fungicide Plus (Liquid Fertilizer Pty. Ltd. [Trading as Agrichem Manufacturing Industries Pty Ltd])

Appear (Syngenta)

Appear Fungicide II (Syngenta Crop Protection, LLC)

Arborfos (JJ Mauget)

Arborfos hp (JJ Mauget)

Calirus 150 (ICL-IP America, Inc.)

Catamaran (Luxembourg-Pamol, Inc.)

Confine Extra (Winfield Solutions, Llc)

Drexel Phiticide (Drexel Chemical Company)

Es tc006a (Bayer Cropscience LP)

First Choice Phortress Fungicide (Omex Agrifluids, Inc.)

Foli-r-fos 400 (Bayer Cropscience LP)

Foli-r-fos 400 Fungicide (Bayer Cropscience LP)

Fosphite Fungicide (JH Biotech Inc.)

Freshprotect (Save Foods, Ltd.)

Fungi-phite (Verdesian Life Sciences U.S., Llc)

Fungi-phite ca (Verdesian Life Sciences U.S., Llc)

Fungi-phite df (Verdesian Life Sciences U.S., Llc)

Fungi-phite df mup (Verdesian Life Sciences U.S., Llc)

Fungi-phite mup (Verdesian Life Sciences U.S., Llc)

Hm-0210-a Systemic PGR & Fungicide (Helena Agri-Enterprises, Llc, D/B/A Helena Chemical Comp)

Inosco (Syngenta Crop Protection, Llc)

Jetphiter (Aquatrols Corporation of America)

K-phite 7lp Fungicide (Plant Food Systems, Inc.)

Lbg-61 (Luxembourg-Pamol, Inc.)

Lbg-w (Luxembourg-Pamol, Inc.)

Lbg-w-mup (Luxembourg-Pamol, Inc.)

Lpi-37 (Luxembourg-Pamol, Inc.)

Manco-Phite df (Verdesian Life Sciences U.S., Llc)

Maxiphite® Fungicide (Plant Food Systems, Inc.)

Oxiphos (Biosafe Systems, Llc)

Pfs 516 Systemic Fungicide Bactericide (Plant Food Systems, Inc.)

Phos Pro Fungicide (Grow More, Inc.)

Phospho-jet (Arborjet, Inc.)

Phosphorous acid Systemic Fungicide (Winfield Solutions, Llc)

Phostrol Agricultural Fungicide (Nufarm Americas, Inc.)
Potassium Phosphite Technical (Luxembourg-Pamol, Inc.)
Prophyt (Luxembourg-Pamol, Inc.)
Prophyt-phc (Luxembourg-Pamol, Inc.)
Prosoy ppt (Luxembourg-Pamol, Inc.)
Rampart Fungicide (Loveland Products, Inc.)
Reliant Systemic Fungicide (Quest Products Llc)
Resist (Actagro, Llc)
Ssystem-K Blue (Agro-K Corporation)
Vital (Luxembourg-Pamol, Inc.)
Vital Green Xtra (Luxembourg-Pamol, Inc.)
Vital-sign (Luxembourg-Pamol, Inc.)
Vitalonil (Luxembourg-Pamol, Inc.)
Whippet Fungicide (Arborsystems, Inc.)

- Chemical Class: Systemic Phosphonate Fungicide
- Uses: To control a broad spectrum of diseases on large variety of crops; control of several foliar and soil-borne diseases of field crops, grapes, herbs, orchards, pecans and vegetables.
- Alternatives: [Organic agriculture](#), [Organic lawn care](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Not documented
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: No (1, 2)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Possible (2)
- Toxic to Bees: Not documented

Additional Information

- Regulatory Status:
 - [Mono- and di-potassium salts of phosphorous acid \(076416\) Fact sheet](#) (10/01/1998)
- Supporting information:
 - [PAN Pesticides Database](#): PAN (Pesticide Action Network)

Gateway Health and Environmental Effects Citations

1. National Library of Medicine. PubChem Hazardous Substances Database. [PubChem \(nih.gov\)](#)
2. USEPA, 1998. Biopesticides Fact Sheet for Phosphorous acid and its ammonium, sodium, and potassium salts Mono- and di-potassium salts of phosphorous acid. Office of Pesticide Programs. https://www3.epa.gov/pesticides/chem_search/reg_actions/registration/fs_PC-076416_1-Oct-98.pdf

Factsheet generated on July 9, 2026