

FOSPHITE®

EPA Reg. No. 68573-2

SUSTAINABLE & EFFECTIVE TWO-WAY SYSTEMIC FUNGICIDE

Fosphite® is a two-way systemic fungicide for exceptional plant disease control. It is registered as a “reduced-risk pesticide” by the EPA. When applied preventatively, **Fosphite®** has great effectiveness against Phytophthora, Pythium, and other diseases. **Fosphite®** utilizes active ingredients mono- and di-Potassium Phosphite to kill pathogens directly and boost plant immunity. Its multiple modes of action prevent pathogens from developing resistance. **Fosphite®** has a 4-hour re-entry and 0-day pre-harvest interval.



EFFECTIVE AGAINST:

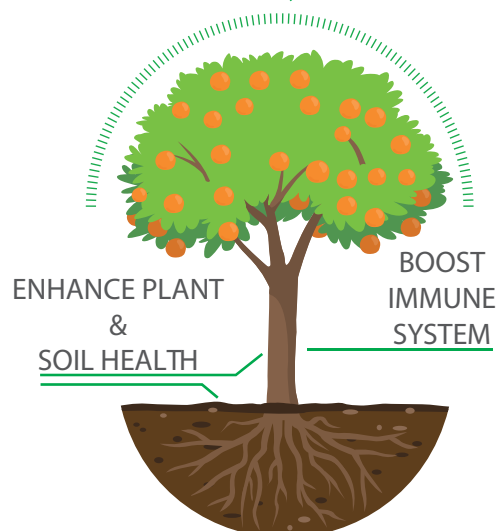
- ✓ Phytophthora
- ✓ Downy mildew
- ✓ Pythium
- ✓ Fusarium
- ✓ Rhizoctonia
- ✓ Anthracnose
- ✓ Citrus Canker
- ✓ Citrus Greening

BENEFITS:

- Safe and registered as a ‘Reduced Risk Pesticide’ by the EPA
- Excellent control of Pytophthora, Pythium, downy mildew and other diseases
- Translocates systemically through both xylem and phloem
- Kills fungi and is non-phytotoxic*
- Boosts plants’ natural immune response against pathogens
- Provides potassium nutrient and increases yield
- Works both as a foliar and soil applied fungicide
- Low application rates for lower cost

* When used as directed

TWO-WAY SYSTEMIC PROTECTION



DISEASE CONTROL EFFICACY AND YIELD PROMOTION EFFECT OF FOSPHITE®

The key characteristics of **Fosphite®** are its two-way translocation property and multiple modes of action. It effectively helps control soilborne diseases, such as Phytophthora blight (Fig. 1) and Fusarium wilt (Fig. 2), and airborne diseases such as downy mildew (Fig. 3). **Fosphite®** performs much better in comparison to conventional fungicides, like Maneb (Fig. 3) and other Phosphite fungicides (Fig. 1 & Fig. 3). **Fosphite®** can provide crop potassium nutrients, stimulate crop growth, and increase crop yields (Fig. 4).

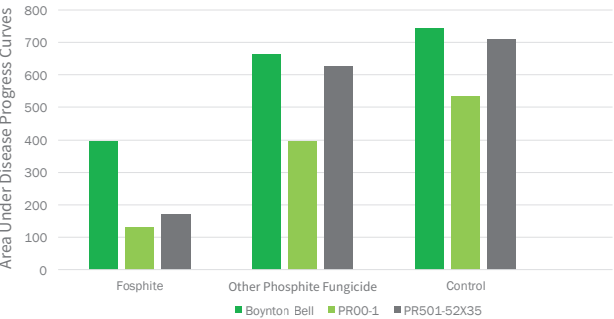


Fig 1. Disease Control Effects of Fosphite on Bell Pepper Varieties on Phytophthora Blight. (Phytophthora capsici)

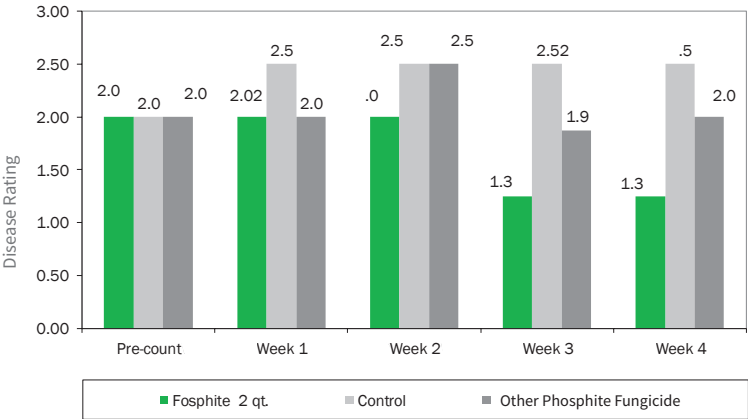


Fig 2. Disease Control Effect of Fosphite vs Other Phosphite Fungicide on Celery Fusarium Wilt (Fusarium oxysporum)

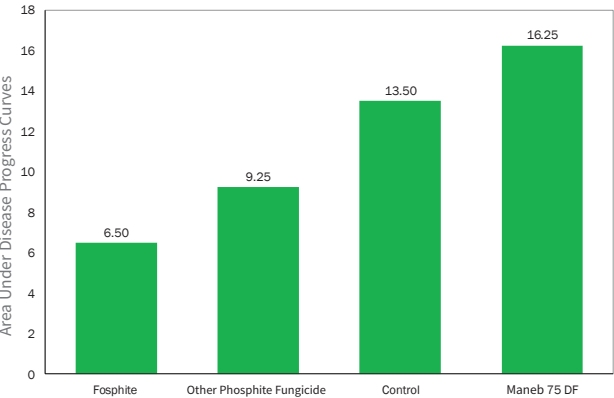


Fig 3. Disease Control Effect of Fosphite vs Other Phosphite Fungicide on Lettuce Downy Mildew

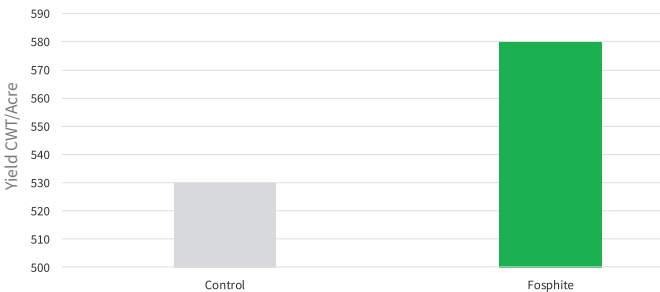


Fig 4. Effects of Fosphite on Tomato Yield in California

MODES OF ACTION **Fosphite®** causes changes in the matabolism and cell wall components. It can cause modification of the fungal cell surface that allows the plant to recognize an invading threat to slow pathogen growth and inhibits its sporulation. **Fosphite®** also boosts plants’ natural immune response against pathogens

FOSPHITE® RECOMMENDED USE

Fosphite® has low application rates. Just one application a month sufficiently controls and prevents disease.



Prevention:
Apply at a lower rate of 1-2 qt/ acre in at least 80 gallon of water after plants becomes established. Alternate with biological products.



Control:
Apply higher rates of 2-3 qt/acre in at least 80 gallon of water at 2–3 week intervals until the control level is reached. Consult with your farm advisor for disease severity.

Fosphite® can be applied in multiple ways including foliar sprays, soil drench, soil incorporation, bare root dip, air application, and trunk injection. Apply **Fosphite®** with sufficient water for adequate coverage of foliage depending on the crop and growth stage.



FOSPHITE® COMPARITIVE TO OTHER PRODUCTS

	FOSPHITE	ALIETTE	RIDOMIL
RATE	1-3 qt./Acre	3-5 lbs./Acre	1-2 qt./Acre
DISEASE CONTROL	Phytophthora, and Pythium Downy Mildew, Fusarium, Rhizoctonia, Anthracnose	Phytophthora, Pythium, Downy Mildew, Anthracnose	Phytophthora, and Pythium
RE-ENTRY	4 Hours	12 Hours	48 Hours
PRE-HARVEST INTERVALS	Exempt	12 Hours - 120 Days	30 Days - 12 Months

Fosphite® Highlights



Kills fungi and is non-phytotoxic*



Boost plants' natural immune response against pathogens



Provides potassium and slow release phosphorus



Help increase yield, which improves quality and uniformity



Multiple mode action for preventing resistance development

** When used as directed*



Pair Fosphite® With Other JH Biotech Products

Biomins®

Bioact® SD

Fulzyme®

Promot® Plus

For more information and products from JH Biotech, visit our website: www.jhbiotech.com.

Corporate Office: 4951 Olivas Park Dr, Ventura CA 93003

Tel: (805) 650-8933 | Fax: (805) 650-8942



jhbiotech.com | info@jhbiotech.com

Copyright 2023 JH Biotech Inc. All rights reserved.