



Fungicide

THEIA[®]

f u n g i c i d e



A Full-Spectrum Approach to Crop Protection

Theia[®] fungicide provides robust, broad-spectrum protection against a variety of foliar and soilborne diseases in grapes and other crops. Through multiple modes of action, Theia fungicide blocks fungal, bacterial, and oomycete pathogens and activates crops' natural defenses.

Active Ingredient

Bacillus subtilis strain AFS032321

Formulation

Dry flowable

Recommended Use Rate

1.5-3 lb/A

Key Features and Benefits

- High fungicidal and bactericidal activity provides return on investment, fewer SKUs, and peace of mind
- Multiple modes of action for robust broad-spectrum control and low resistance risk
- 4-hour REI and 0-day PHI give harvest flexibility and worker protection
- U.S. residue tolerance exemption and no MRLs fit with food value chain and exports
- Robust formulation with excellent (2 year) shelf life and no special storage requirements
- Compatible with chemicals, adjuvants, and antibiotics for tank mix flexibility
- OMRI listed for use in organic, in addition to conventional cropping systems

Target Diseases for Treatment with Theia Fungicide

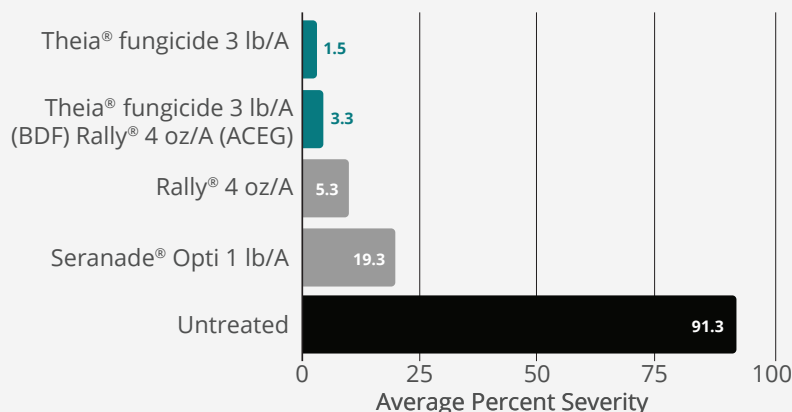
- Powdery Mildew



Proof in the Performance

Powdery mildew is a major grape disease in the United States. It can cause yield losses, poor fruit quality and reduced vine growth¹.

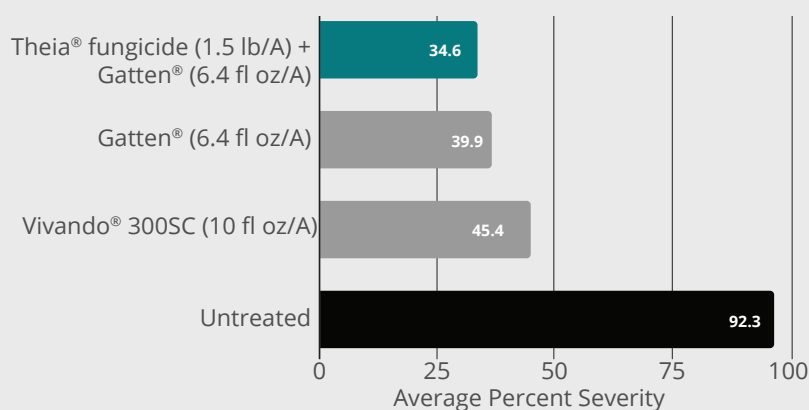
Theia® Fungicide Controls Grape Powdery Mildew



Theia fungicide provided excellent powdery mildew control in a program and season long compared to synthetic and biological standards

2020 Oregon. AgBiome-sponsored trial. *Erysiphe necator*. 10 pre-bloom applications, then 7 day intervals. All treatments with silicone adjuvant.

Theia® Fungicide Reduces Grape Powdery Mildew Cluster Severity



Theia fungicide in a tank mix provided better activity against powdery mildew severity than chemical standards alone.

2021 Geneva, NY. AgBiome-sponsored trial. 35-yr-old vines. Seven applications on 14-d interval. Treatments were rated on 20 leaves and 20 clusters/plot, 7 to 9-Sept. Pre-bloom sprays at 50 GPA, post-bloom sprays at 100 GPA. Gatten® and Vivando® alone contained Induce®, Theia fungicide alternation treatments contained Dyne-Amic®.

Theia fungicide provides excellent control of grape powdery mildew on clusters and leaves



2022 Merced, CA. Photos taken 30 Jun. Grape powdery mildew. Seven applications on 14-d intervals from 14-Apr to 28-Jun. Theia fungicide applied with Kinetic® adjuvant 3 fl oz/100 gal.

¹Ellis, M.A. 2008 "Powdery Mildew of Grape" Ohio State University. Accessed 13 Sept. 2022.