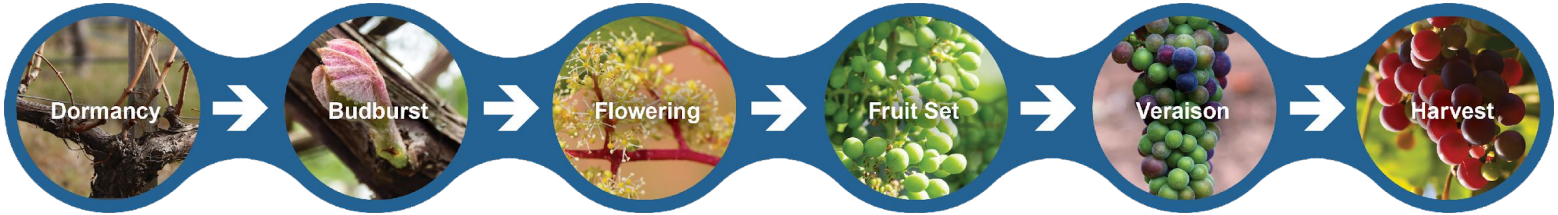
Recommended Program for Grapes



HOWLER® fungicide

THEIA® fungicide

Black Rot

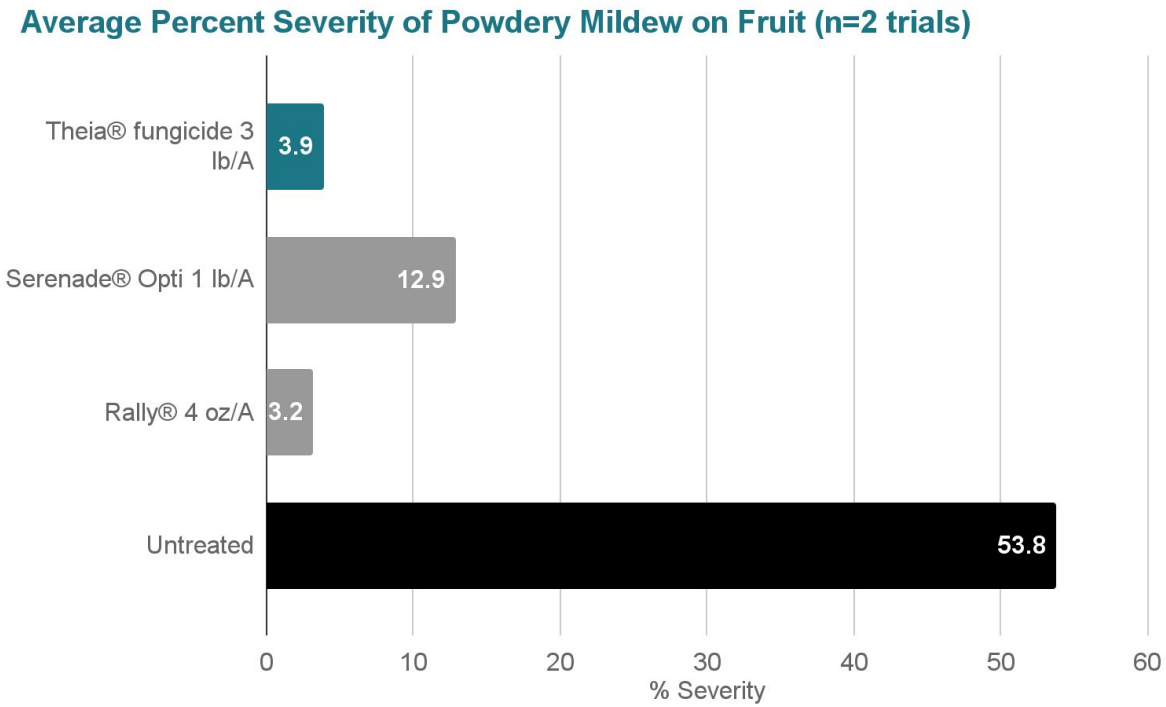
Botrytis

Downy Mildew

Powdery Mildew

Howler® applied at 2.5 - 5 lb/a alone or 2.5 lb/a tank mix; Theia® applied at 3 lb/a alone or 1.5 lb/a tank mix

Theia® Fungicide - Grape Powdery Mildew



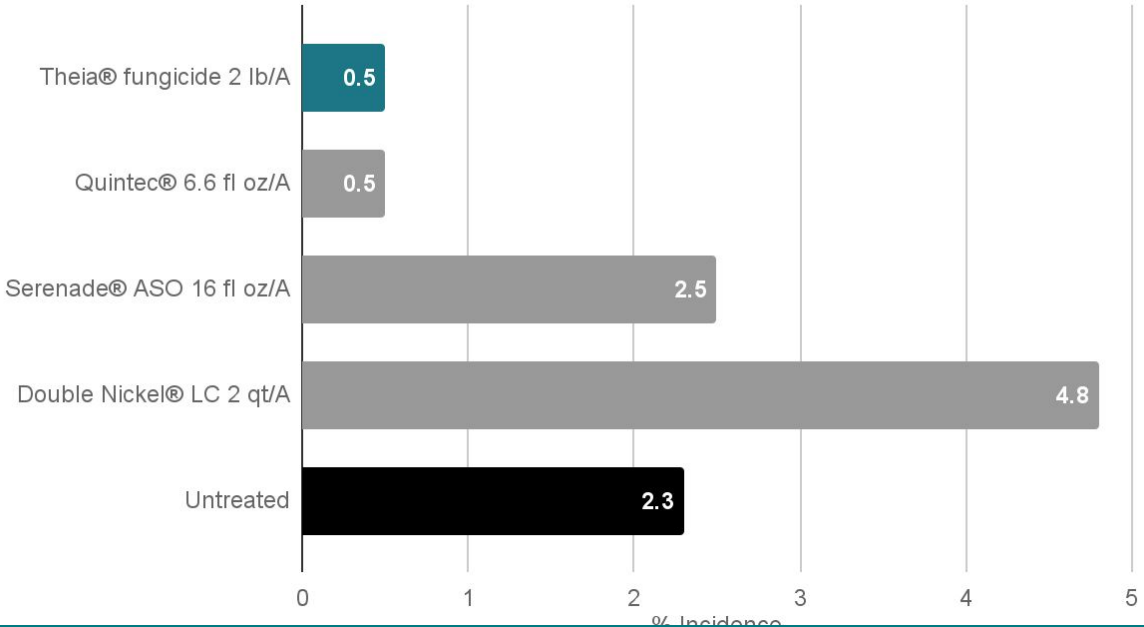
Erysiphe necator
California, Oregon, 2020
7-10 apps: Prebloom, then 7-14 d intervals
All trts with silicone adjuvant
No Phytotoxicity
P = 0.05

Theia fungicide 3 lb outperformed Serenade Opti and was similar to Rally

AB-20US-32321-VITVI-PM-CC-OR-Collins AB-20US-32321-VIVI-PM-CA-Hicks

Theia® Fungicide vs. Other Biologicals - Grape Powdery Mildew

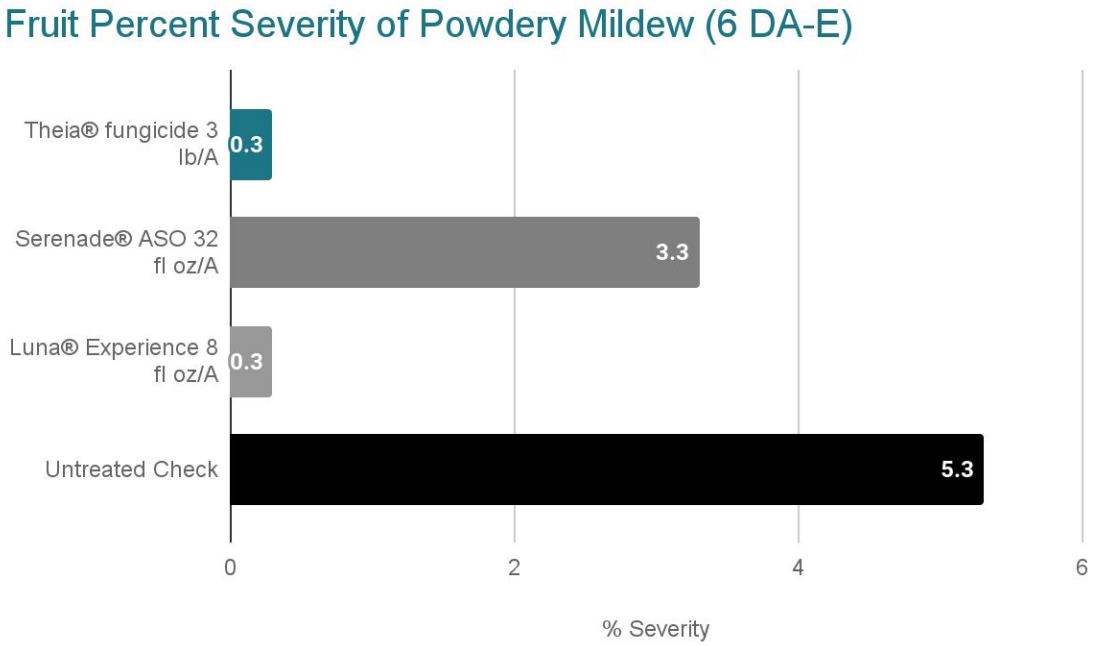
Theia® Reduces Cluster % Incidence of Grape Powdery Mildew



Pathogen: *Erysiphe necator*
California, 2021
6 application at 100 GPA
12-15 day intervals
0-10 scale
All treatments contained Kinetic
No phyto
P=0.05

Theia fungicide performed equally to the synthetic standard

Theia® Fungicide - Grape Powdery Mildew



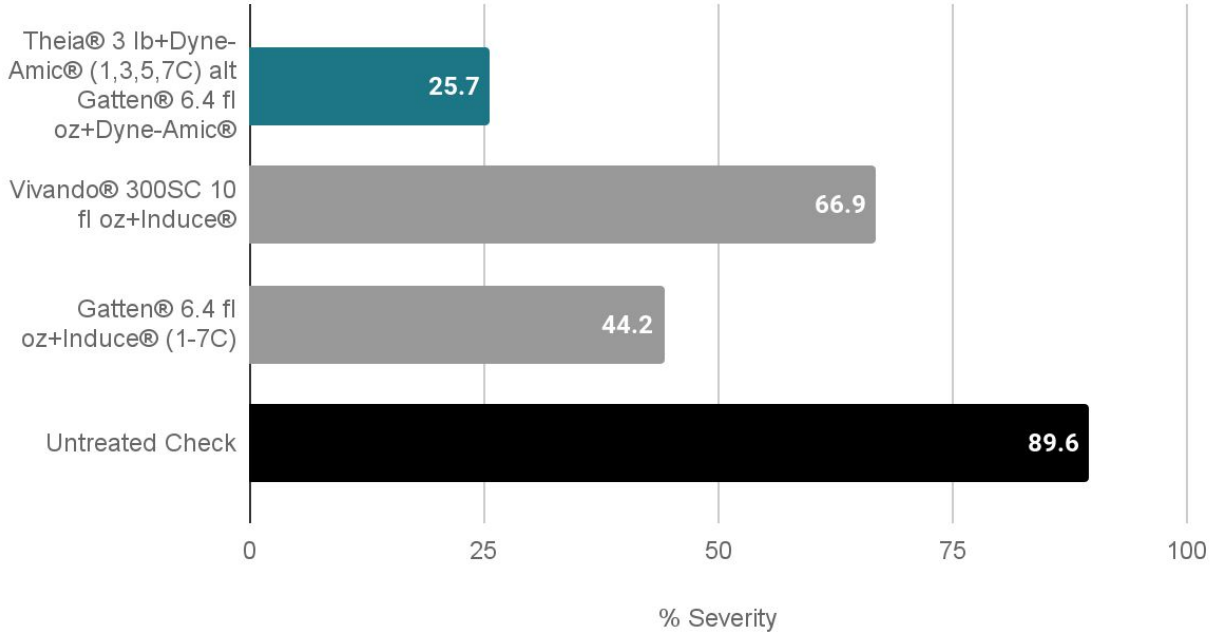
Pathogen: *Erysiphe necator*
Oregon 2021
11 applications at 55 GPA
7 day intervals
All treatments contained Dyne-Amic
No phyto
P=0.05

Theia fungicide performed just as well as Luna Experience, the synthetic standard

AB-21US-32321-VITVI- OR01-Collins

Theia® Fungicide - Grape Leaf Powdery Mildew

Percent Severity, Leaf (22 DA-G)



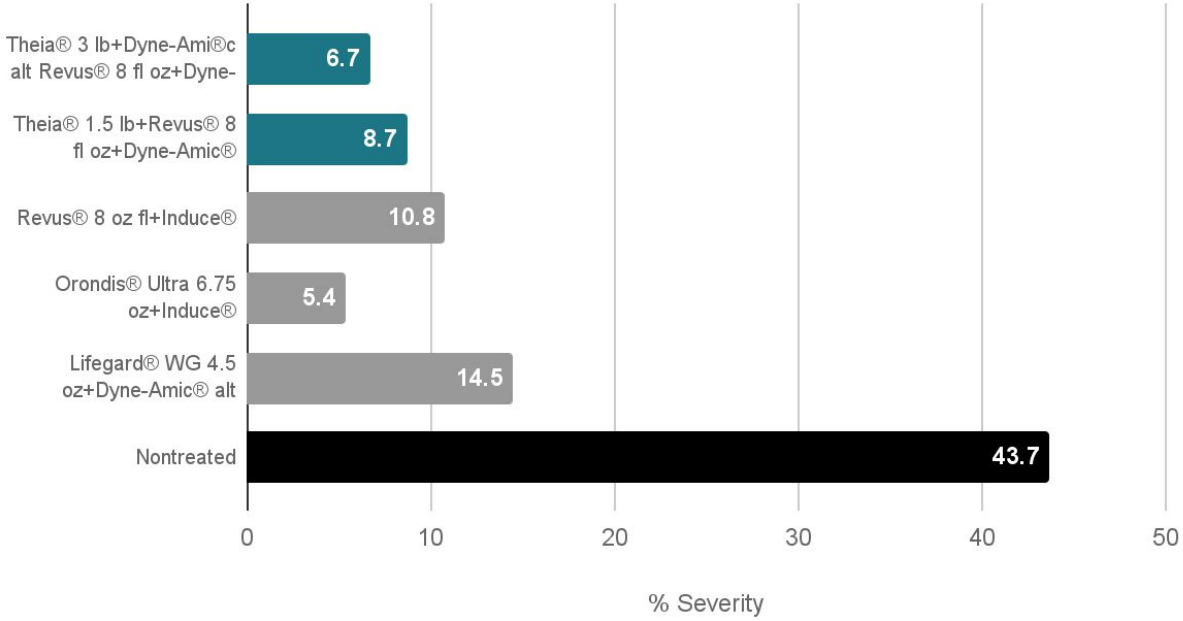
Cornell University, K. Gold, 2021
35-yr-old vines.
Plots: 4-vine, RCBD, 4-reps
Sprays: hooded boom, 100-psi, 50-gpa pre-bloom, 100-gpa post-bloom
7-applications
Treatments rated 20-leaves and 20-clusters/plot
Dyne-Amic rate 0.38% v/v, Induce rate 0.13% v/v
P=0.05

Theia fungicide 3 lb alt. Gatten provided greater PM control compared to Gatten or Vivando alone

AB-21US-10.1-VITVI-PM-NY01

Theia® Fungicide- Grape Cluster Downy Mildew

Percent Cluster Severity (September 3)



Cornell University, K. Gold, 2021
16-yr-old Chancellor vines.
Plots: 4-vine, RCBD, 4-reps
Sprays: hooded boom, 100-psi, 50-gpa pre-bloom, 100-gpa post-bloom
7-applications
Treatments rated on 20 clusters/plot on 3-Sep
Dyne-Amic rate 0.38% v/v, Induce rate 0.13% v/v
P=0.05

Theia alternation and tank mix provided excellent downy mildew control