

Powdery Mildew Control on Wine Grapes

Cinnaction

A 25 (B) exempt and OMRI-listed acaricide and fungicide utilizing two cinnamon oils for broader, more effective control. It has excellent efficacy against powdery mildew and mites.



Benefits of CINNACTION

- Contact mode of action with quick knock down
- Formulated with two essential oils, *C. zeylanicum* and *C. verum*, for maximum acaricidal and fungicidal efficacy
- Includes secondary natural essential oils for improved terpene equilibrium and extended pesticide action
- 0-hour REI, 0-Day PHI, MRL exempt, no visible residue

Use Rate

Foliar applications: 32 - 64 oz/100 g of spray solution

MILAGRUM^{PLUS}[®]

An OMRI-listed *Bacillus subtilis* formulation that prevents downy mildew and other foliar diseases. Milagrums Plus[®] has a perfect combination of new generation strain of *Bacillus subtilis* formula, developed with Bioevology[®], an exclusive formulation technology that maximizes the fungicidal effect through an optimized microbial fermentation process.



Benefits of MILAGRUM PLUS

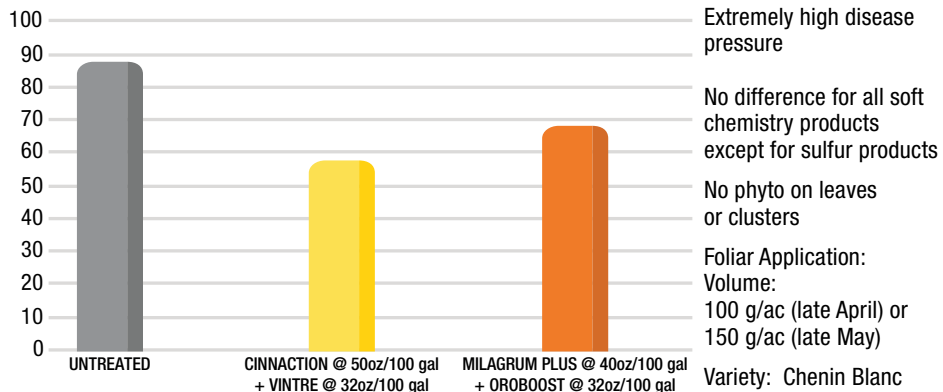
- Three modes of action: Direct fungicidal activity, activates plant ISR, out competes fungi for space and resources
- Can be applied as a foliar or soil application by all common application techniques. It can also be used as seed/tuber dip treatment
- *Bacillus subtilis* strain IAB/BS03 is classified as a Plant Growth-Promoting Rhizobacteria (PGPR). PGPR's are free-living bacteria that have beneficial effects on plants as they increase root development and plant productivity
- 4-hour REI, 0-Day PHI, MRL exempt, no visible residue

Use Rate

- Foliar and soil applications: 40 - 60 oz/100 g of spray solution
- Seed and tuber dip: 20 - 60 oz/100 g of solution



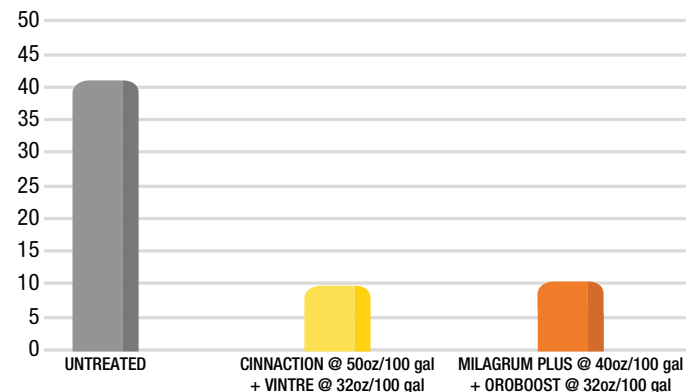
INCIDENCE (% of Clusters Infected) After 7 Sprays at 14 Day Intervals



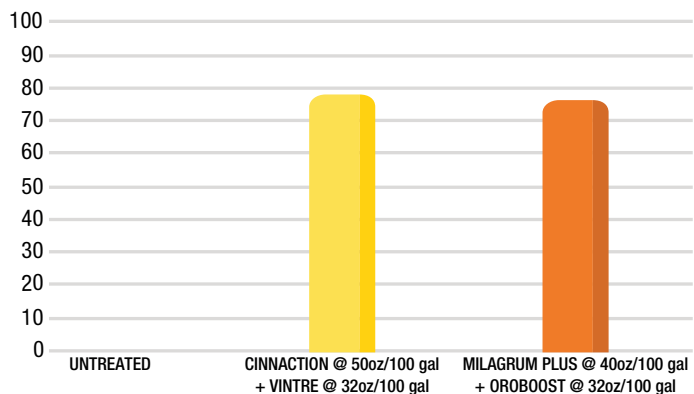
Extremely high disease pressure
 No difference for all soft chemistry products except for sulfur products
 No phyto on leaves or clusters
 Foliar Application:
 Volume:
 100 g/ac (late April) or
 150 g/ac (late May)
 Variety: Chenin Blanc
 Vine age: 11 years

University of California-Davis
 Davis, CA

SEVERITY (% of Cluster Surface Infected) After 7 Sprays at 14 Day Intervals



% Improvement in Severity on Clusters After 7 Sprays at 14 Day Intervals



Pictures at 16 Days after 7 sprays



Untreated



CINNACTION 50 oz
 + VINTRE 32 oz



MILAGRUM PLUS 40 oz
 + OROBOOST 32 oz

For more information contact your local Oro Agri representative.

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