



ProBlad[®] Verde

GRAPES

Labeled Crops

- Grapes
- Almonds
- Strawberries
- Tomatoes
- Stone Fruit*
- Pome Fruit*
- Fruiting vegetables*
- Cucurbits*
- Hops*

Labeled Diseases

- Powdery mildew
- Botrytis gray mold
- Anthracnose*

*Not registered for use in California

Key Features

- Fast acting, stops disease in 4-8 hours
- Controls all disease life stages, including spores
- New multi-site mode of action
- Translaminar activity
- Curative/reach back activity for up to 7 days
- Provides 10-14 day spray interval
- Breaks disease resistance
- Minimal toxicity to adult bees, bee larvae, and beneficial predators

A new class of fungicide providing superior efficacy and multi-site mode of action for decisive disease management

ProBlad[®] Verde fungicide delivers a completely new mode of action to disease management, providing decisive, multi-process disruption in a way no other fungicide can claim. Formulated with Blad polypeptide technology, it is so unique that a new FRAC Group code was created for ProBlad fungicide's active ingredient.

In this way, ProBlad fungicide separates itself from all other fungicides and has no known cross-resistance to any fungicide class, making it the optimum resistance management partner. Trials have shown ProBlad is strong enough to replace a synthetic fungicide in your current spray program. Its powerful performance and extraordinary mode of action not only create a resistance management champion, adding ProBlad fungicide to your rotation can help extend the life of your current fungicides.

Complex and Unique Mode of Action

ProBlad Verde fungicide works on contact, tissue absorption and has translaminar properties. The active ingredient binds to fungal chitin structures, disturbing the cell wall and cell membrane and enters into the fungus cell. Inside the cell induces major changes in cell metabolism from, disrupting the cell metal homeostasis due to its chelating activity for several cations. This initiates a chain of events that disrupt nutrient absorption, end cellular reproduction and ultimately lead to apoptotic fungus cell death. All this occurs within eight hours of contact. The result is quick, reliable disease control that meets or exceeds established standards.

Bottom line, ProBlad fungicide is driven by a novel, multiple-site mode of action, has proven results and protects crops today with a new mode of action that extends the useful life of existing chemistries.

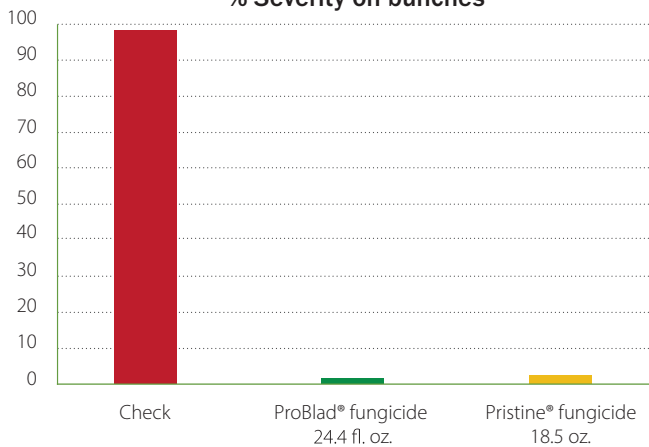
1 Day PHI
4 Hour REI
MRL exempt



ProBlad[®] Verde

Powdery Mildew – Carignan – Madera, Calif.

% Severity on bunches



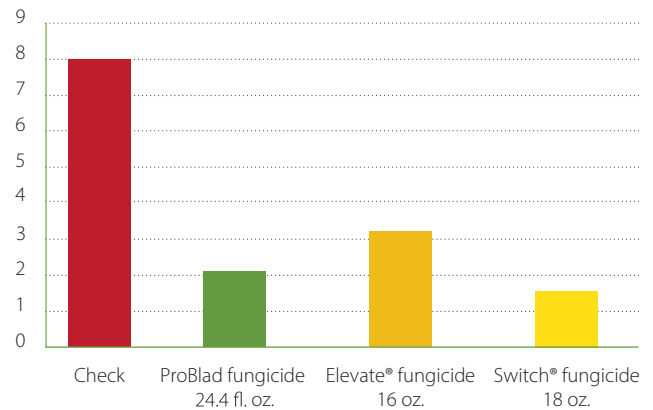
Grape: Carignan

Three applications @ 14 day spray intervals

Mildew – Carigna, Lorrienne Fought, Simplot Research

Botrytis – Cabernet – Potter Valley, Calif.

% Severity on bunches



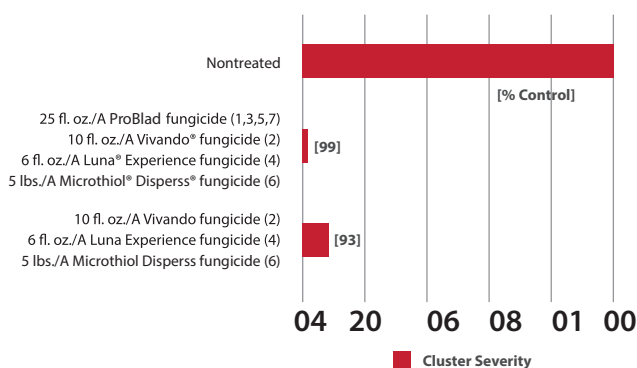
Grape: Cabernet

Three applications @ post-bloom, pre-closure, veraison

Rating 21 days after harvest

Potter Valley, Calif., 2011, John Attaway, Attaway Field Research

ProBlad Fungicide Performance Against Powdery Mildew in 'Chardonnay' Grape Clusters



Application Dates: 1 = 3 Jun; 2 = 15 Jun; 3 = 27 Jun; 4 = 11 Jul; 5 = 26 Jul;
6 = 9 Aug; 7 = 22 Aug; 50 GPA pre-bloom; 100 GPA post-bloom
Adjuvant used in all applications.
Wayne Wilcox, Cornell, Geneva, NY, 2017

Application Guidelines

Preharvest Interval: One day

Re-Entry Interval: Four hours

Maximum Amount of ProBlad[®] Fungicide Per Season:

No more than five foliar applications per crop season
or more than two sequential applications

Label for Grapes

Botrytis Rates: 24.4–36.6 fl. oz./A

Powdery Mildew Rates: 20.5–24.4 fl. oz./A

Active Ingredient: BLAD polypeptide

Mode of Action: Inhibition of cell wall synthesis and
nutrient uptake by binding to chitin structures and
rupturing fungal cell

FRAC Group: BM01

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