



Attack fungal diseases with an entirely new mode of action.

Fracture® fungicide introduces a completely new mode of action to disease management, providing decisive, multi-process disruption in a way no other fungicide can claim. Formulated with ProBLAD® technology, it is so new that a new FRAC Group code was created for Fracture fungicide's active ingredient, BLAD.

In this way, Fracture fungicide separates itself from all other fungicides and has no known cross-resistance to any fungicide class, making it the optimum resistance management partner.



Fracture fungicide works on contact by binding to the fungal cell wall and deforming the chitin structures within, ultimately tearing the fungal cell apart. This action then starts a chain of events that disrupt nutrient absorption, end cellular reproduction and destroy the fungal cell. Fungal cell destruction occurs within eight hours of contact. The result is quick, reliable disease control that meets or exceeds established standards.

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



For complete label information on Fracture fungicide and all other FMC products, call **888-59-FMC-AG**, visit **FMCcrop.com** or talk to your local FMC Star Retailer.

GRAPES

"We have been looking at Fracture fungicide for control of both sour rot and botrytis gray mold over the last three years. Fracture fungicide has performed very well. It was comparable to conventional products, and the control we saw, even in high-pressure years, Fracture fungicide was still in the top group."

- Wayne Wilcox, professor of plant pathology at Cornell University

"I was really impressed with Fracture fungicide. We have been looking at it for the last three years. The first year, because it was a biological, we put it with the softer materials and the other biologicals. It outperformed almost everything except the standard, and it was close to the standard. The last two years, we have put it against the big gun fungicides to see how it stacks up, and it does very well. I have been impressed with it."

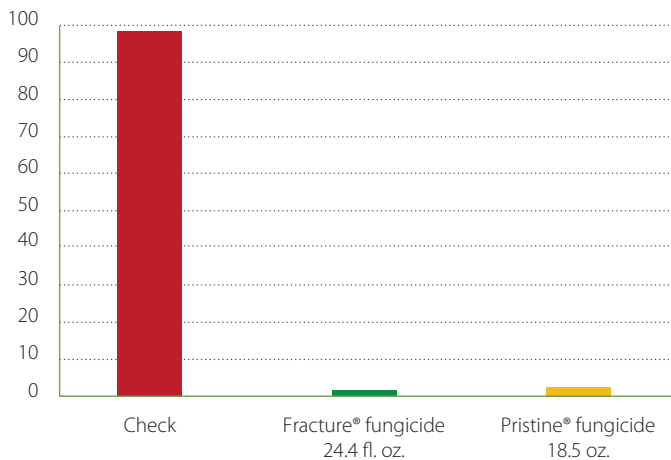
- Doug Gubler
Extension plant pathologist, Plant Pathology - CAES

Quick Facts

- New multiple-site mode of action controls fungal diseases in a way no other product can claim
- Excellent resistance management tool
- One-day PHI
- Four-hour REI
- Apply up to five times per season
- Ecotoxicology studies conducted to meet regulatory requirements have shown Fracture fungicide has minimal toxicity to adult bees, bee larvae, beneficial parasitic wasps and predatory mites
- Fracture fungicide has proven to be a strong biological fungicide when compared head to head with conventional chemistries.

Powdery Mildew – Carignan – Madera, Calif.

% Severity on bunches

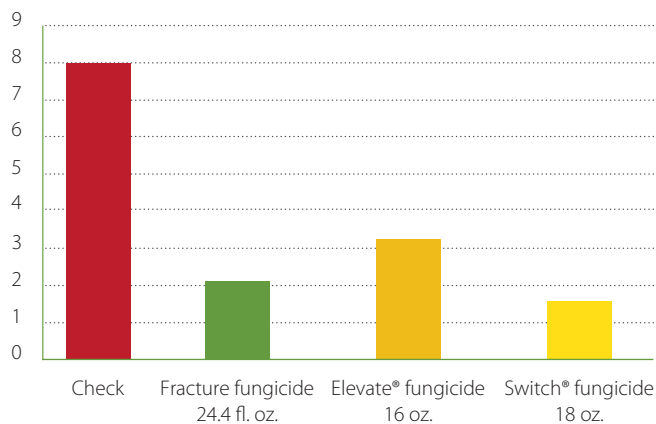


Grape: Carignan
Three applications @ 14 day spray intervals
Madera, Calif., 2011

Lorriane Fought, Simplot Research

Botrytis – Cabernet – Potter Valley, Calif.

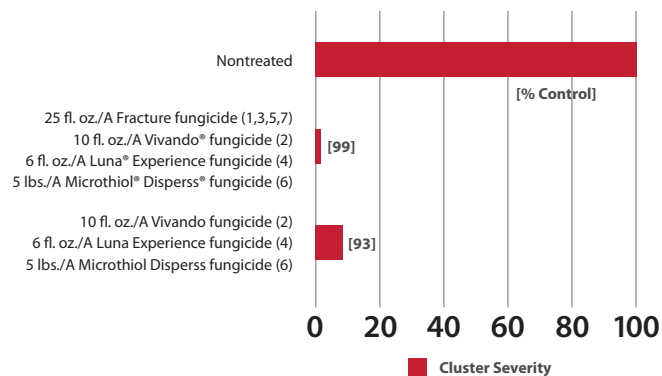
% Severity on bunches



Grape: Cabernet
Three applications @ post-bloom, pre-closure, veraison
Rating 21 days after harvest
Potter Valley, Calif., 2011

John Attaway, Attaway Field Research

Fracture 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 Fracture 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: Banda de Lupinus albus doce (BLAD)

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

FRAC Group: BM01

Learn More About Fracture Fungicide | Contact your FMC Star Retailer, call 888-59-FMC-AG or visit FMCcrop.com.