

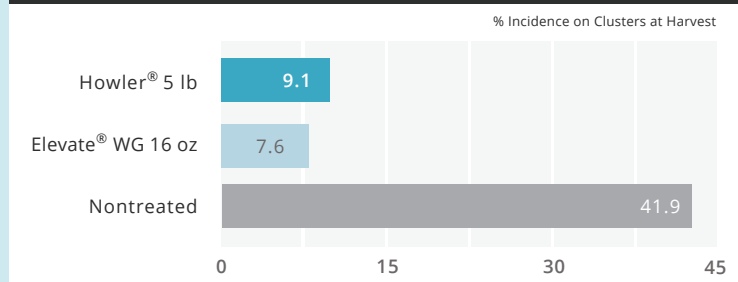
HOWLER®

FOR GRAPES



Introducing Howler® fungicide from AgBiome, a revolutionary fungicide that harnesses the power of the plant microbiome to create an efficacious fungicide with multiple modes of action that provide preventive, long-lasting activity on a broad spectrum of soilborne and foliar diseases. Howler® fungicide can be used effectively at every phase of production: greenhouse, pre-plant through harvest.

HOWLER®: GRAPE BOTRYTIS PERFORMANCE

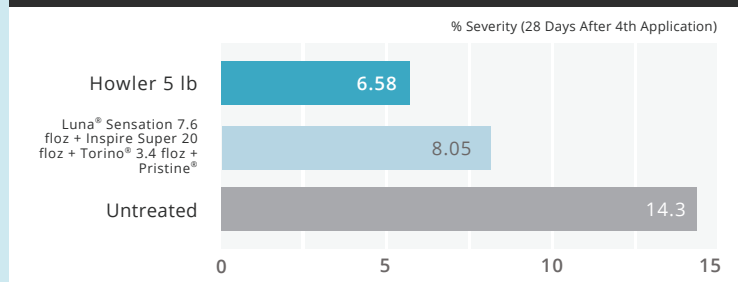


TRIAL ID: Trial ID, AB-20US-VITVI-BO (AE20227)

Howler provided excellent Botrytis control. Similar to the commercial standard – Elevate. No phytotoxicity

- 4 applications – bloom, bunch closure, veraison, preharvest
- All treatments contained a nonionic surfactant

HOWLER®: POWDERY MILDEW ON GRAPES



TRIAL ID: 519-62: 2019 CA, AgBiome Howler for Control of Powdery Mildew in Wine Grapes

Howler® controlled PM on clusters equal to chemical standard. No phytotoxicity.

- Application method: foliar with backpack sprayer
- Application volume: 100 gpa
- Number of applications: 4
- Application timing: initiated at bloom
- Spray interval: 14-day interval
- Assessments: incidence and severity on foliage and clusters
- All treatments contained a nonionic surfactant



Key Features & Benefits

- Novel mode-of-action fungicide with multiple sites of action
- Superior, broad spectrum control of key soil-borne and foliar diseases
- Compatible with synthetic chemistries either as a tank mix or program partner
- Exempt from US residue tolerances
- 4-hr REI
- 0-day PHI
- Application flexibility – can be applied by soil incorporation, drench, drip, foliar or chemigation
- OMRI approved

Target Diseases:

- Botrytis
- Colletotrichum
- Fusarium
- Phytophthora
- Pythium
- Rhizoctonia
- Sclerotinia
- Alternaria
- Powdery Mildew
- Downy Mildew
- Black Rot



HOWLER®

EPA REGISTRATION NUMBER:
91197-3-92488

ACTIVE INGREDIENT:
Pseudomonas chlororaphis strain
AFS009

FORMULATION:
Dry Flowable

Howler® Fungicide Rate Recommendations For Control of Soil-Borne and Foliar Diseases and in Tank Mixtures:

HOWLER® FUNGICIDE ALONE:

Apply Howler® fungicide at 5 lb/acre.

HOWLER® FUNGICIDE IN TANK MIXTURES:

When Howler® fungicide is tank mixed with a fungicide for control of the same disease(s), apply Howler® fungicide at 2.5 lb/acre + the labeled rate of the tank mixture partner.

Equipment and Procedures for Mixing Howler® Fungicide for Best Results:

EQUIPMENT:

Continuous, vigorous agitation is required for dispersion and uniform suspension.

The following methods can improve mixing: Pre-mix tank/mixing inductor, paddle agitation, and pre-slurrying (5 lb in a 5-gallons of water using a paint stirrer)

MIXING:

- Fill spray tank 1/3 with clean water
- Dispense Howler® via induction or pre-tank
- Finish filling spray tank to the desired volume
- Allow Howler® fungicide to be mixed before adding other products

MIXING ORDER BY FORMULATION TYPE:

- Howler® DF
- Dry flowables
- Liquid flowables
- Emulsifiable concentrates
- Adjuvants (spreaders, stickers, etc.) and nutritionals