



Fungicide

# HOWLER®



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.

EPA REGISTRATION NUMBER:  
91197-3-92488

ACTIVE INGREDIENT:  
*Pseudomonas chlororaphis* strain AFS009

FORMULATION:  
Dry Flowable

RATE:  
5 lbs/acre alone or 2.5 lbs/acre in a tank mix with another fungicide

## Target Diseases:

- Alternaria
- Botrytis
- Downy Mildew
- Fusarium
- Neopestalotiopsis
- Rhizoctonia
- Sclerotinia



## 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



## Key Crops:

- Grapes
- Berries & small fruits
- Pome fruits
- Cucurbit vegetables
- Fruiting vegetables
- Leafy vegetables & cole crops
- Beans & peas
- Peanut, stalk, stem & petiole vegetables
- Tobacco & other specialty crops
- Tuber & root crops
- Bulb vegetable crops



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## Best Management Practice for Mixing Howler® Fungicide:

Howler® fungicide is a 50% dry flowable (DF) formulation. Howler® fungicide can be applied by incorporation, drip or drench applications, chemigation, and foliar.

## Howler® Fungicide Rate Recommendations For Control of Soil-Borne and Foliar Disease 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

### DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Always read the FIFRA 2(ee) bulletin and the entire label on the product container before using this product.

**If compatibility is in question, use the Compatibility Jar Test.**

