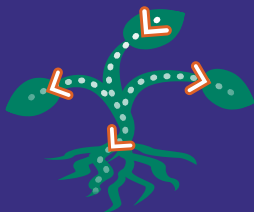


## Use Sonata To Manage Powdery Mildew In Grapes

SONATA® is a biofungicide with live bacteria spores that induce plants' natural defenses to resist disease development and anti-fungal compounds that have contact fungicidal activity. SONATA's multi-side mode of action is ideal for fungicide resistance management and disease control.

### PLANT HEALTH/INDUCED SYSTEMIC RESISTANCE



SONATA induces a plants' natural defenses to result in an induced systemic resistance toward certain pathogens.

### CONTACT ACTIVITY



Amino sugars in SONATA break down existing fungal cell walls and competitively inhibit the formation of future cell walls.

### IDEAL FOR RESISTANCE MANAGEMENT



SONATA has multiple modes of action and is highly compatible as a powdery mildew fungicide tank-mix.

## SONATA is a Proven Contributor to Powdery Mildew Control Programs

SONATA performed well in 12 trials as a stand-alone and 14 trials as part of a program.

#### Examples of Treatments

Sonata Stand Alone:

Sonata @ 3qt/ac on 14-day interval

#### Sonata Program:

Sonata @ 3qt alt/w Flint @ 2oz on 14-day interval

Serenade Max @ 2lb + Phostrol @ 1pt (1,4,8) alt/w Sonata @ 2qt + Phostrol @ 1pt (2,6) alt w/ Serenade Max @ 2lb (9)

Serenade Max @ 2lb + Phostrol @ 2pt (1,4,8) alt/w Sonata @ 2qt + Phostrol @ 2pt (2,6) alt w/ Serenade Max @ 2lb (9)

#### Standard Program:

Elite @ 4oz alt/w Flint @ 2oz on 21-day interval

Rally @ 4oz alt/w Quintec @ 4oz on 14-day interval

Pristine @ 10.5oz (1,4) alt/w Vanguard @ 10oz (8,9)



## Directions for Use on Grapes

<b>Stand Alone/Rotation Use Rate</b>	4 qt/ac (if disease is already present, begin rotation with a contact or eradicant fungicide, then alternate to SONATA).	
<b>Tank Mix Use Rate</b>	2-3 qt/ac (if disease is present, use a higher rate).	
<b>Application Timing</b>	Optimal application timing is prior to disease infestation in areas of known, high disease pressure.	
	<b>Conventional Grapes</b>	<ul style="list-style-type: none"> <li>Apply with first conventional sprays @ 2 qt/ac.</li> <li>Apply in-season as a tank-mix @ 2 qt/ac with another fungicide.</li> </ul>
	<b>Organic Grapes</b>	<ul style="list-style-type: none"> <li>Apply first in rotation in between sulfur or oil sprays. Or apply in-season after sulfur and oil sprays in rotation with other registered organic fungicides.</li> </ul>