



# SONATA®

*Performance • Flexibility • Value*

## **SONATA® fungicide: Reliable, economic control of powdery mildew in tomatoes and peppers**

For reliable control of powdery mildew in tomatoes and pepper, count on SONATA fungicide. SONATA controls powdery mildew as well as the competitors, but gives you so much more than disease control alone:

- Since SONATA is the only major fungicide based on the unique active ingredient *Bacillus pumilus* strain QST 2808, you can confidently use it in a program with any other fungicide and be certain you won't exacerbate resistance challenges.
- SONATA's fungicidal chemistry directly controls powdery mildew. Additionally, SONATA is proven to activate the plant's internal defense pathways - a process called ISR (Induced Systemic Resistance).
- SONATA is exempt from residue restrictions, meaning you can use it without worrying about export or processor restrictions. And, SONATA fungicide's 4-hour REI and 0-day PHI mean you can use it when you need it.



Tomato field treated with Quadris (6 ounces) on the left side of the center row and SONATA (3 quarts) on the right side. No visible difference between treatments.

## **PERFORMANCE**

University trials and grower demonstrations prove that SONATA fungicide delivers excellent control of powdery mildew at an affordable cost with added resistance management benefits. Anti-fungal amino sugars present in SONATA compete for the enzyme that uses glucose to build pathogen cell walls, resulting in:

- Inhibition of septum formation
- Inhibition of new cell wall formation
- Destruction of cell integrity
- Death of pathogen cells



Tomato field treated with Cabrio (12 ounces) on the left side of the center row and SONATA (3 quarts) on right side. No visible difference between treatments.

## VALUE

Applying SONATA fungicide to your peppers and tomatoes makes sense. That's because SONATA delivers equivalent powdery mildew control to the chemical fungicides, with the added bonus of resistance management. Rotating SONATA fungicide with other chemistries helps prevent resistance, extending the life of traditional chemistries. Since SONATA is exempt from residue tolerances, your worries about MRLs fade away. And, SONATA costs no more – and often less – than the chemical fungicides.



Side by side comparison of SONATA (right of the center row) versus Rally (left of the center row) on a pepper field. No visible difference between treatment.

## FLEXIBILITY

SONATA fungicide offers the most flexibility for growers. With a 0-day pre-harvest interval (PHI) and a 4-hour restricted entry interval (REI), SONATA allows you to choose the best possible moment to harvest, while providing effective disease control.

### SONATA is also registered for use on:

Artichokes
Brassicas
Bulb vegetables
Cucurbits
Grapes
Leafy vegetables
Legumes
Root and tuber vegetables



Rally treatment (4 ounces) on left of the staked row compared to the SONATA treatment on right (3 quarts) in a tomato field. No visible difference between treatments.



The effects of powdery mildew on an untreated tomato field.



Can be used for Conventional & Organic Production

Always read and follow label directions for all products. Information here is not a substitute for the directions on the product labels.

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