



BAYER
PLUS
ELIGIBLE



 **SERENADE**[®]
OPTI

Serenade[®] Opti Fungicide

FRAC Group 44 Fungicide

Serenade[®] Opti fungicide is a versatile tool designed to provide effective disease protection. Serenade Opti protects against the effects of foliar fungal and bacterial diseases.

/// BENEFITS

Serenade[®] Opti fungicide is part of Bayer's biological portfolio that gives growers more options in their integrated disease management.

- **Effective Protection**

Fights fungal and bacterial diseases and can be an effective addition to an integrated disease management program.

- **Resistance Management**

Uses multiple sites of action to target key diseases, providing control and reducing the likelihood of resistance.

- **Flexible Application**

Four-hour re-entry interval and a zero-day pre-harvest interval make Serenade Opti an excellent tool for late-season disease problems, right up to and including the day of harvest.

- **Exempt from MRL**

Exempt from the requirements of residue tolerance for export to global markets.

- **Integrated Management Tool**

Compatible with registered products including copper, sulfur, micronutrients, insecticides and fungicides.

/// PROVEN PERFORMANCE

Serenade[®] Opti fungicide is composed of effective biological chemistry and spores of *Bacillus subtilis* QST 713, which is a beneficial bacterium colonizing the roots and producing biological chemistry. The colonization and biological chemistry provide different benefits important for healthy, high-yielding plants.

- **Pathogen Protection**

Lipopeptides destroy fungi on contact, while other compounds attack bacteria.

- **Defense Activation**

Plants respond to natural chemistry by preparing to repel pathogens.

- **Stress Reduction**

Serenade[®] Opti stimulates the plant to help tolerate stressors like drought and heat

- **Stimulates Early-season Root Development**

Allows for greater nutrient uptake and protection from adverse weather conditions.

- **Nutrient Availability**

Serenade ASO solubilizes key nutrients in the soil to enhance uptake, leading to healthier, higher-quality produce with an increased shelf life..

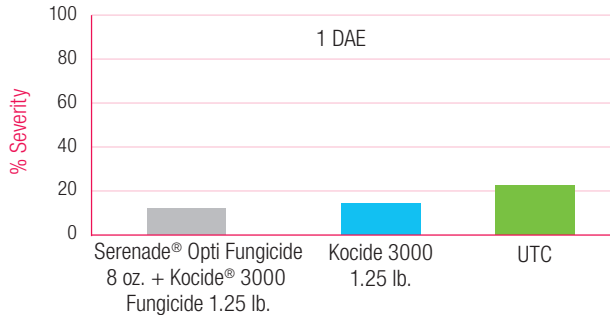
/// SERENADE[®] OPTI FUNGICIDE QUICK FACTS

- **Active Ingredient:** *Bacillus subtilis* QST 713
- **Signal Word:** Caution
- **REI:** 4 hours
- **PHI:** 0 days
- **Use Rate:** 14 to 20 oz./A

Key Crops		Key Diseases	
<ul style="list-style-type: none"> • Grapes • Pome Fruit • Potatoes • Stone Fruit 	<ul style="list-style-type: none"> • Strawberries • Tomatoes • Tree Nuts 	<ul style="list-style-type: none"> • Alternaria Brown Spot • Bacterial Spot • Black Rot • Botrytis 	<ul style="list-style-type: none"> • Brown Rot • Fire Blight • Powdery Mildew • Sour Rot • Target Spot

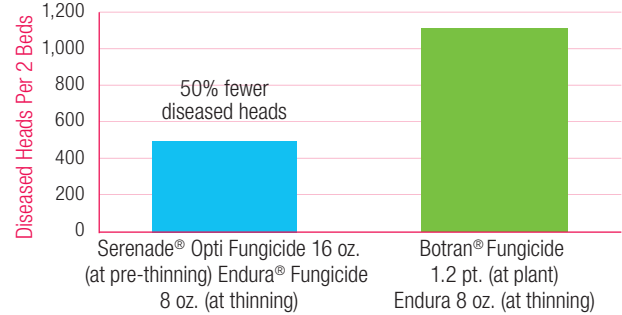
Serenade® Opti Fungicide Reduces Disease Severity in Tomatoes and Lettuce

Serenade® Opti Fungicide Reduces Bacterial Spot on Tomatoes



Langston, University of Georgia, Tifton, GA – 2011. Materials were applied using a Hi-Boy sprayer equipped with 4–6 TX-18 nozzles per row delivering 40–60 GPA. Applications were made on a 7-day interval beginning 9/1, for a total of 7 applications (A-G). Harvested 7DATG. *Xanthomonas perforans*. (11-04-008)

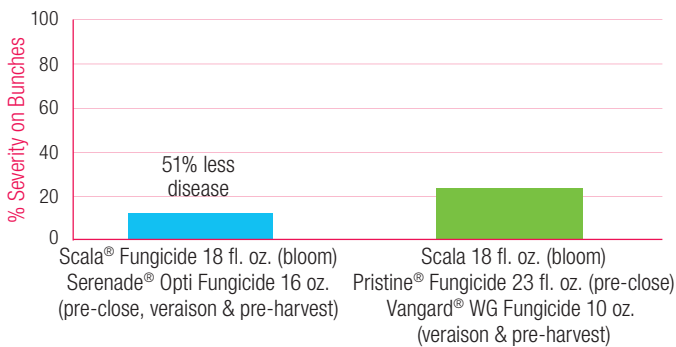
Serenade® Opti Fungicide Controls Sclerotinia Lettuce Drop



Salinas, CA – 2011, Variety "Tombstone," 30 GPA to 60 GPA. (11-02-222)

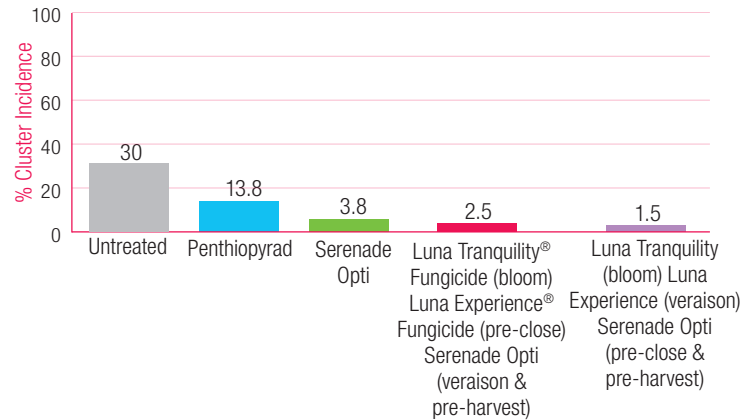
Serenade® Opti Fungicide Provides Excellent Control of Botrytis Bunch Rot on Grapes

Lower Disease Severity with Scala® Fungicide and Serenade® Opti Fungicide Over Competitors



Clarksburg, CA – 2011, Variety "Riesling," 100 GPA. (11-01-221)

Integrated Bayer Programs with Serenade® Opti Fungicide Reduce Botrytis in Wine Grapes



Under low disease pressure, Serenade Opti gives good Botrytis control and excellent control in programs with Luna Tranquility and Luna Experience. Gubler, UCCE, Napa Co, CA. 2013. FP13USAGMPUGE3. Penthiopyrad 0.01 lb./A, Serenade Opti 1 lb./A, Luna Tranquility 0.128 gal./A, Luna Experience 0.06 gal./A.

IMPORTANT: This bulletin is not intended to provide adequate information for use of these products. Read the label before using these products. Observe all label directions and precautions while using these products.

For more information, visit www.CropScience.Bayer.us.



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