



Serenade[®] Opti Fungicide

FRAC Group 44 Fungicide

/// INTRODUCTION TO SERENADE[®] OPTI

Serenade[®] Opti is a unique fungicide and bactericide that helps growers win the battle against fungal and bacterial diseases while managing resistance.

/// BIOLOGICAL COMPONENT

Serenade Opti is part of a collection of biological fungicides and insecticides from Bayer that provide growers with more options in their integrated disease management programs and the fight against resistance.

/// SERENADE OPTI QUICK FACTS

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

/// REGISTERED CROPS	/// KEY DISEASES
<ul style="list-style-type: none">• Grapes• Leafy vegetables• Pome fruit• Potatoes• Strawberries• Tomatoes• Tree nuts	<ul style="list-style-type: none">• Botrytis• Erwinia• Sclerotinia• Xanthomonas

See product label for a complete list of crops and diseases.

/// BENEFITS

- **Effective Protection** – Fights fungal and bacterial diseases and can be an effective addition to an integrated disease management program.
- **Resistance Control** – Uses multiple sites of action to target the disease, 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.
- **Integrated Management Tool** – Compatible with registered products including copper, sulfur, micronutrients, insecticides and fungicides.

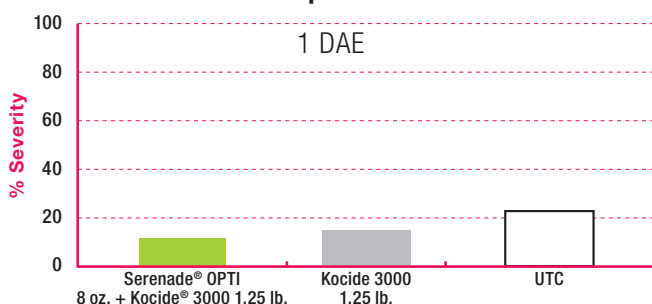
/// PROVEN PERFORMANCE

Serenade Opti is composed of effective biological chemistry and spores of *Bacillus subtilis* QST 713, which is a beneficial bacterium that works in three different ways to fight disease-causing pathogens.

Stopping harmful spores from germinating, it disrupts the cell membrane growth and inhibits the attachment of the pathogen to the leaf. The multiple sites of action not only create an effective fungicide, but also make it very difficult for diseases to develop resistance.

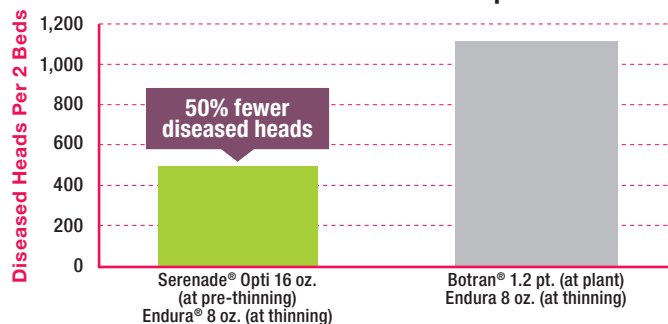
/// SERENADE® OPTI REDUCES DISEASE SEVERITY IN TOMATOES AND LETTUCE

Serenade® Opti 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)

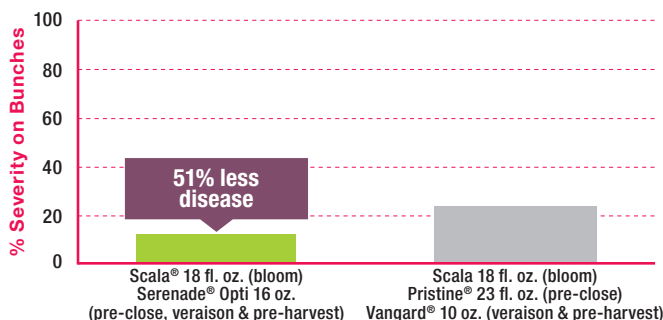
Serenade® Opti Controls Sclerotinia Lettuce Drop



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

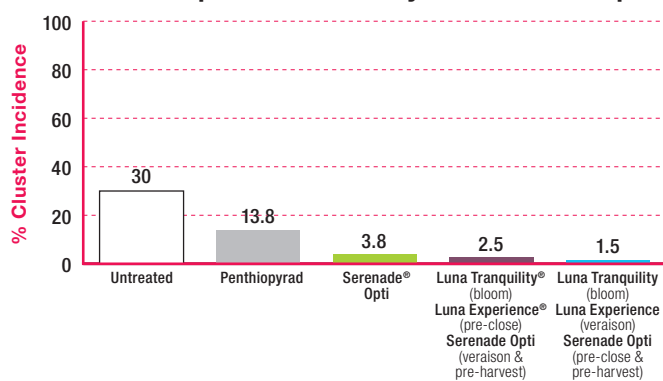
/// SERENADE OPTI PROVIDES EXCELLENT CONTROL OF BOTRYTIS BUNCH ROT ON GRAPES

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



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

Integrated Bayer Programs with Serenade® Opti 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.

