LALSTOP G46 WG

OMRI LISTED

WETTABLE GRANULE

BIOFUNGICIDE

BIOFUNGICIDE FOR VITICULTURE

CONTROLS POWDERY MILDEW AND BOTRYTIS ON GRAPES

THREE MODES OF ACTION

LALSTOP G46 WG has three modes of action, which make it uniquely effective:

1. **Competition:** Outcompetes pathogens for space and nutrients
2. **Antagonistic Metabolites:** Creates a protective barrier
3. **Predation:** Attacks and feeds on pathogens

These three modes of action are a triple threat to pathogens, providing unique efficacy and enhanced resistance management.

POWDERY MILDEW

Recommended Rate: 1.6 oz – 1.75 oz per acre in 45+ gallons of water per acre

Timing: From budbreak to harvest depending on disease pressure

Application Interval: 7 – 14 days depending on disease pressure

BOTRYTIS

Recommended Rate: 3.2 oz – 3.5 oz per acre in 45+ gallons of water per acre

Timing: Standard Botrytis timing: bloom, bunch close, veraison, post-veraison

TIP: For best results with LALSTOP G46 WG, combine with 4 oz/acre LALSTIM OSMO to reduce abiotic stress effects that make plants more susceptible to infection. LALSTIM OSMO is an osmoprotectant comprised of >97% Glycine Betaine.

Compatibility: Can be used in rotation and in tank mixes with common fungicides including wettable sulfur, copper, potassium bicarbonate and Cyflufenamid. See LALSTOP G46 WG's compatibility chart for the most recent compatibility information. For dosage and product information, contact a Lallemand representative.

CHARACTERISTICS

EPA REGISTERED

Active Ingredient
Clonostachys rosea strain J1446

Guarantee
> 1.0 x 10^9 CFU/g

Package Size
- 5 x 2 lbs
- 10 x 3.5 oz

Storage information
Store in original packaging in a cool, dry place for up to 12 months, or refrigerated (39°F) for up to 24 months. Avoid overheating.

4-hour REI; 0-day PHI

No chemical residues.

Not harmful to bees and beneficials.

Proven as no effects on vinification, taste, or odor.

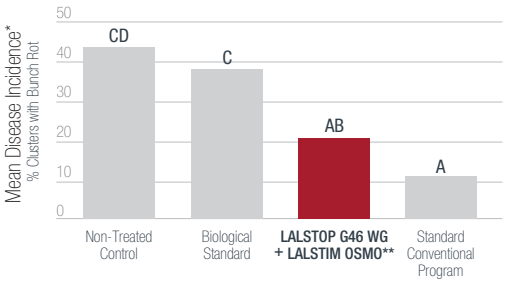
Always read and follow label instructions.

TRIAL RESULTS

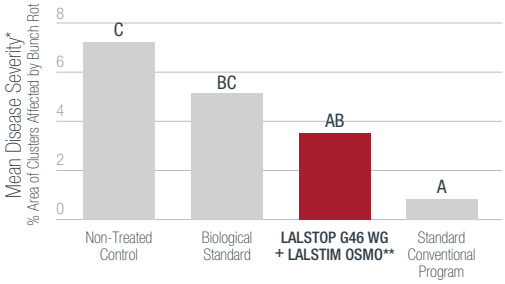
EFFICACY AGAINST BOTRYTIS BUNCH ROT OF GRAPES

LALSTOP G46 WG was applied at 3.5 oz/acre with 4 oz/acre of LALSTIM OSMO at bloom, bunch close and veraison.

BUNCH ROT OF GRAPE INCIDENCE



BUNCH ROT OF GRAPE SEVERITY



Eskalen Lab, UC Davis, 2021

CONCLUSION: LALSTOP G46 WG provided better Botrytis control than the biological standard and similar control to the standard conventional program. This gives growers another effective tool for their disease management programs.

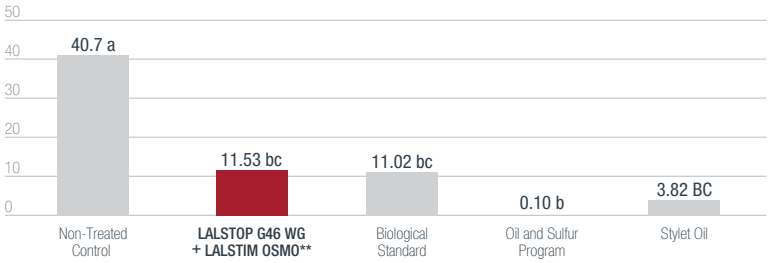
EFFICACY AGAINST POWDERY MILDEW ORGANIC VITICULTURE

Integrating LALSTOP G46 WG in an organic program can maintain efficacy on both Powdery Mildew and Botrytis while reducing the number of sulfur and oil applications needed.

Risks associated with sulfur and oil include:

- Sulfur has risk of hydrogen sulfide in wines, leaf burn and phytotoxicity
- Oils can lower photosynthetic rate, delay maturity, and take the bloom off berries sulfur and oil applications needed.

% OF SEVERITY ON BUNCH



Eskalen Lab, UC Davis, 2022

CONCLUSION: LALSTOP G46 WG performed like the biological standard on powdery mildew and benchmarked well against an oil only program and an oil and sulfur combined program.

EFFICACY AGAINST POWDERY MILDEW ORGANIC VITICULTURE

LALSTOP G46 WG in an integrated program can maintain disease efficacy, while greatly reducing the number of chemical applications and residues.

% OF SEVERITY ON BUNCH

Eskalen Lab, UC Davis, 2022

CONCLUSION: Integrating LALSTOP G46 WG in an IPM program resulted in very good control of Powdery Mildew with a **70% reduction of synthetic products while maintaining efficacy**.

*Means with different letters are significantly different ($P < 0.05$). **LALSTIM OSMO used as an osmoprotectant.

About Lallemand Plant Care

For over 100 years, Lallemand has been an expert in yeast and bacteria manufacturing. It is now a global leader in the development, production, and marketing of microorganisms for various industries. Using sound science and know-how, Lallemand Plant Care provides effective microbial-based solutions that deliver agronomic, economic, and sustainable value to growers.