

For suppression of
**Botrytis &
powdery mildew**
on grapes



Regalia RX Biofungicide

Regalia RX Biofungicide is an effective fungicide for suppression of powdery mildew and *Botrytis* in grapes and multiple diseases in additional fruit and vegetable crops.

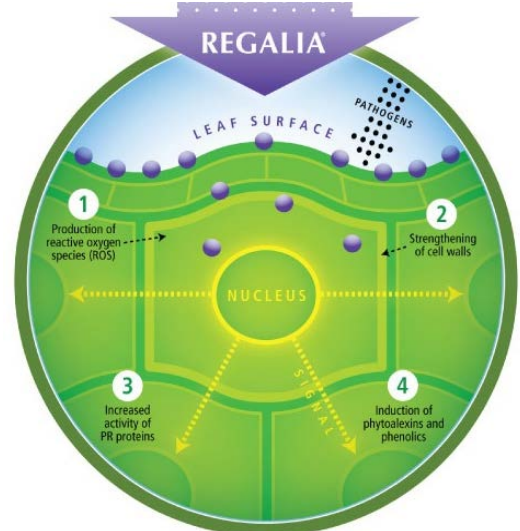
Benefits

- Effective component of a disease management program in both conventional and organic grapes
- Natural plant extract with short REI and PHI
 - MRL exempt
 - 3 years shelf-life
- Excellent tank-mix or rotation partner

Mode of action

Regalia RX Biofungicide belongs to FRAC Group P5 (Plant Defense Activators). When applied, Regalia RX Biofungicide induces the plant to produce defensive compounds within 24-48 hours. In addition to the induction of defensive compounds, referred to as systemic acquired resistance (SAR) or induced systemic resistance (ISR), Regalia RX Biofungicide has additional benefits including:

- Strengthen cell walls by accumulating more lignin which helps protect against penetration by pathogens
- Increase chlorophyll production





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Application rates and timings

For powdery mildew

- Apply Regalia RX Biofungicide preventatively at shoot emergence, when new shoots are approximately 1-3 cm in length, or when disease symptoms first appear
- Repeat applications on a 7-14 day interval depending on crop growth and disease pressure
- Use a rate of 5-10 L in 500-1000 L of water per hectare
- In high disease pressure scenarios, apply 0.25 % v/v Regalia RX Biofungicide in a tank mix with another fungicide labeled for powdery mildew

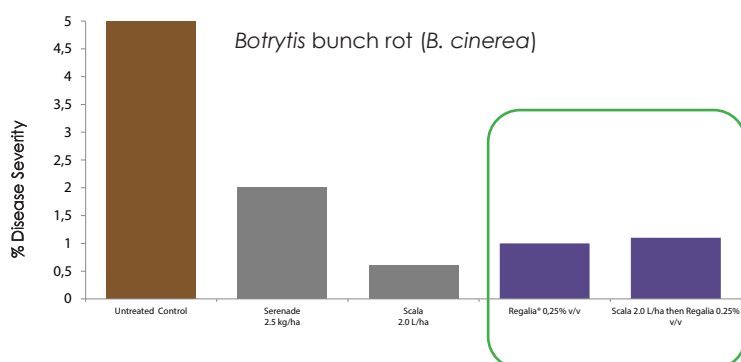
For *Botrytis* bunch rot

- Apply Regalia RX Biofungicide preventatively beginning at bloom and repeat at bunch closure, veraison and preharvest
- Under low to moderate pressure, apply 0.25% v/v of Regalia RX Biofungicide in 5-10 L in 500-1000 L of water per hectare
- High disease pressure, apply 10 L/ha of Regalia RX Biofungicide in a tank mix with another fungicide labeled for *Botrytis*.

Best management practices

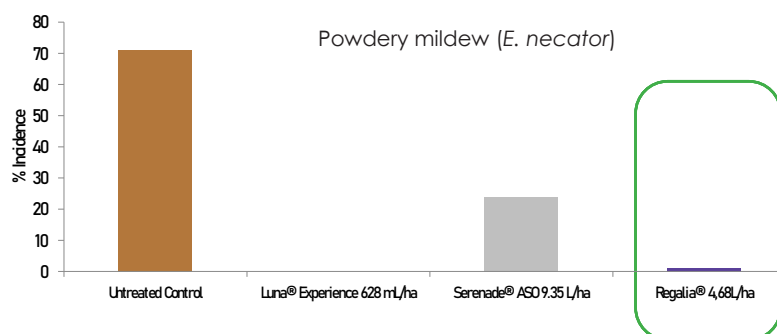
- Regalia RX Biofungicide has no direct fungicidal activity, and therefore needs to be applied preventatively
- Locally systemic: Thorough coverage of target tissue is important
- Regalia RX Biofungicide is easily tank mixable with other conventional and organic grape products that control powdery mildew, *Botrytis*, and other grape diseases
- When environmental conditions and plant stage are conducive to rapid disease development, use Regalia RX Biofungicide in a rotational program with other registered fungicides
- Repeat applications at 7-14 day intervals with shorter intervals under high pressure situations and/or vigorous growth
- Do not tank-mix with sulfur fungicides
- No adjuvant required
- Rainfast: 1 hour
- REI: 4 hours
- PHI: 0 days

Regalia RX Biofungicide provides control of *Botrytis*



Observations were taken Sep 18 in Italy on 'Barbera' grapes. Scala® and Serenade® Max are registered trademarks of Bayer Crop Science.

Regalia RX Biofungicide shows 99% reduction in powdery mildew incidence vs. untreated



*Regalia and Regalia Rx are identical and the use rate of 4.68 L/ha was applied in 500, 1000 and 1500 L/ha depending upon vine size. The dilution rate in % v/v would then range from 0.93% v/v in 500 L/ha to 0.31% v/v in 1500 L/ha. Research conducted by Dr. Eskalen, UC Davis on 'Chenin Blanc' wine grapes in a season-long program. Luna® and Serenade® are registered trademarks of Bayer.



SCAN ME

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Technical and sales support for Regalia® RX Biofungicide is provided by Cohort Wholesale

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