

Now Registered
in CA



Powerful New Tool for Botrytis Bunch Rot Control on Grapes

New Tool for Botrytis Bunch Rot Control

Regalia® is a powerful, new tool to control Botrytis Bunch Rot, Powdery Mildew (see Powdery Mildew tech sheet), and other diseases of grapes. Other fungicides have pre-harvest intervals (PHI) of 7 to 14 days, which makes it difficult to control disease close to harvest time. Regalia has a zero-day PHI, so growers can now protect crops right up to harvest.

There is also known resistance with strobilurin and AP fungicides such as pyraclostrobin, and cyprodinil. Regalia offers growers a new, unique mode of action that is an excellent addition to disease resistance management programs.

Additionally, Regalia is OMRI listed, and NOP compliant for use in organic production. Organic and sustainable growers now have access to the same powerful Regalia used by conventional growers.



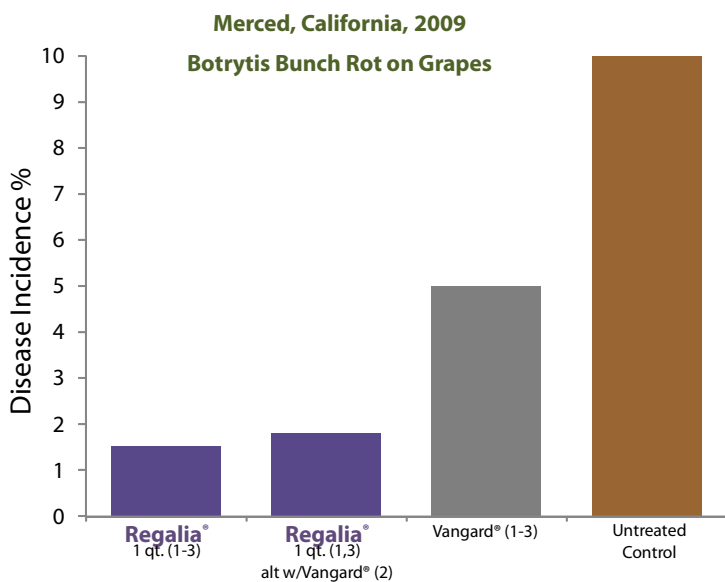
How Regalia Works

When treated with Regalia, the defense systems of grape vines are 'switched on' to protect against attacking diseases. Research proves that plants treated with Regalia produce and accumulate elevated levels of specialized proteins and other compounds known to inhibit fungal and bacterial diseases. Regalia induces a plant to produce phytoalexins, cell strengtheners, antioxidants, phenolics, and PR proteins, which are all known inhibitors of plant pathogens.

Fermentation Quality

While other fungicides are known to disrupt the fermentation process, Regalia has no effect on fermentation. Juice from grapes treated with Regalia has equal levels of soluble solids, total acidity and pH compared to untreated grapes. Regalia also does not alter the percentage alcohol, pH, volatile acidity, total acidity, residual sugar, and free or total SO₂ levels in wine.

Regalia provides effective
Botrytis Bunch Rot control
with a zero-day PHI.



- Treatments applied on: 1= Aug 13, 2= Sep 4, 3= Sep 16
- Disease evaluated on Oct 8.
- Treatments applied in 80 gal of water per acre.

Regalia offers excellent early
and mid-season control of
Powdery Mildew.

* See Powdery Mildew tech sheet.

Safe With Sulfur

Other leading products, such as paraffinic mineral oils, cannot be safely tank mixed or even used in rotation with sulfur. Regalia can be safely used in rotation with weekly applications of sulfur.

Compatibility- Common Regalia Tank Mix Partners

Regalia is shown to be compatible with strobilurins (QoI) such as Flint[®], Anilinopyrimidine fungicides such as Vanguard[®], natural products such as JMS Stylet Oil[®], and

many other types of pesticide chemistry including sulfur and copper. If compatibility with another product is unknown, a jar test should be conducted.

Brand Name	Active Ingredient	Family Group	FRAC	Resistance
Regalia [®]	Extract of <i>Reynoutria Sachalinensis</i>	Plant Host Inducers	P	Low
Vanguard WG [®]	Cyprodinil	Anilinopyrimidine	9	Medium
Scala [®]	Pyrimethanil	Anilinopyrimidine	9	Medium
Pristine [®]	Boscalid + Pyraclostrobin	Carboxamide + Strobilurin (QoI)	7 11	Medium High
Flint [®]	Trifloxystrobin	Strobilurin (QoI)	11	High
Sovran [®]	Kresoxim-methyl	Strobilurin (QoI)	11	High
Elevate [®] 50WDG	Fenhexamid	Hydroxyanilides	17	Medium

Regalia Best Use Recommendations

For best results against Botrytis Bunch Rot, use Regalia as a preventative treatment. For maximum disease control, begin applications at early bloom with subsequent applications at berry touch, veraison, and pre-harvest.

In low disease pressure situations or prior to conditions favorable for disease development, apply 1-2 quarts of Regalia per acre. Under high pressure situations, apply Regalia at 2-4 quarts per acre alone or 1-4 quarts per acre with another fungicide labeled for Botrytis control. Regalia can be an effective tank mix and rotation partner to reduce the likelihood of the development of resistant strains of Botrytis.

- REI = four hours.
- PHI = zero days.
- Rainfast = one hour.

Grape Diseases Controlled by Regalia:

Powdery Mildew • Botrytis Bunch Rot
Black Rot • Phomopsis Fruit Rot

To control disease with powerful Regalia, contact your local retailer, or call:

Jesse Rosales, Coastal CA, 530-304-2030
Mark Allen, Northern CA and Pac NW, 530-304-9091
Mike Martinez, Southern CA and AZ, 559-288-3422
David Warman, Director of Sales, 336-202-3433



www.MarroneBio.com/Regalia

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