



# Disease Control on Stone Fruit



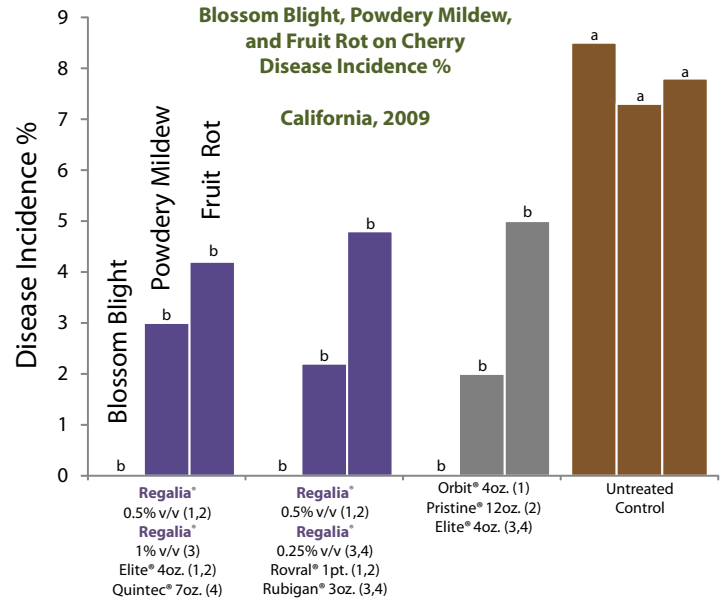
## Broad Spectrum Disease Control

Regalia® provides broad spectrum control against Brown Rot Blossom Blight (*Monilinia laxa*), Powdery Mildew (*Podosphaera clandestine*), and Fruit Rot (*Monilinia fructicola*). With Regalia, growers can protect blossoms and developing fruit from both Brown Rot Blossom Blight and Powdery Mildew with the same product.

Field trials prove that adding Regalia to tank mix and rotational programs results in superior control of plant pathogens. Research performed in 2009 proves that rotating Regalia with Elite® or Rovral® results in a broad spectrum of control against Blossom Blight, Powdery Mildew, and Fruit Rot. Field trials performed in 2010 confirm that rotating Regalia and Elite results in excellent control of Powdery Mildew in stone fruit. Regalia is also effective when used alone. A university trial in 2009 shows that Regalia is as effective as Pristine on Powdery Mildew.

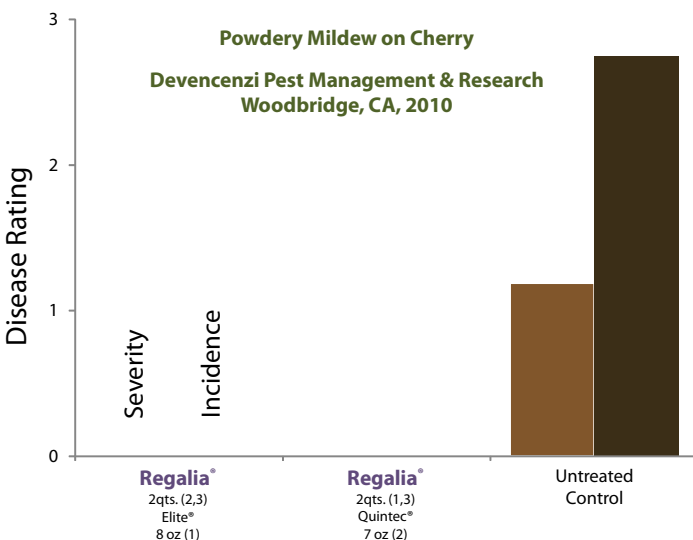
## Resistance Management

Growers commonly use strobilurin and DMI fungicides like Pristine®, Orbit®, Rally®, and Elite® to control Blossom Blight and Powdery Mildew. These products are effective, but are known to have a risk of resistance, and should be rotated with other chemistries. Regalia has a low risk of resistance and is an ideal component in resistance management programs (see Compatibility and Resistance Management Chart on reverse).

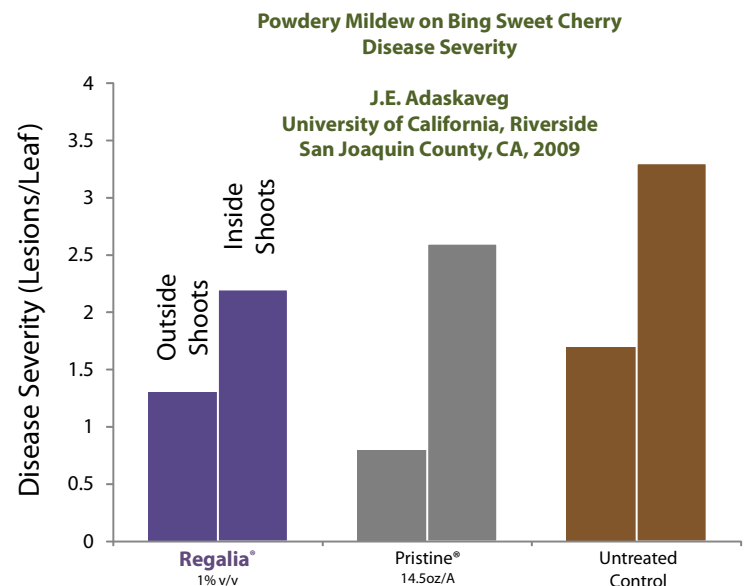


- Treatments applied on: 1= Mar 23, 2= Apr 8, 3= Apr 29, 4= May 6.  
- Disease evaluated on Apr 15.

**Regalia® provides a broad spectrum of control against Powdery Mildew, Brown Rot Blossom Blight and Fruit Rot.**



- Treatments applied 3 times on 1=Mar 18, 2=Apr 9, 3=Jun 1.  
- Disease evaluated on Jun 15.



- Treatments applied on Apr 16.  
- Disease evaluated on May 29.

## Compatibility and Resistance Management Chart

Regalia is compatible with Demethylation Inhibitors (DMIs) such as Orbit<sup>®</sup>, Elite<sup>®</sup>, and Rally<sup>®</sup>, strobilurins such as Pristine<sup>®</sup>, and many other classes of pesticide chemistry. Some types of fungicides

are known to have a high resistance risk, but the risk is extremely low with Regalia (see chart below). If compatibility with another product is unknown, a jar test should be conducted.

Brand Name	Active Ingredient	Brown Rot Blossom Blight	Fruit Rot	Powdery Mildew	Resistance Risk
Regalia <sup>®</sup>	Extract of <i>Reynoutria sachalinensis</i>	✓	✓	✓	Low
Elite <sup>®</sup>	Tebuconazole	✓	✓	✓	Medium
Orbit <sup>®</sup>	Propiconazole	✓	✓	✓	Medium
Rally <sup>®</sup>	Myclobutanil	✓	✓	✓	Medium
Pristine <sup>®</sup>	Boscalid + Pyraclostrobin	✓	✓	✓	High
Rovral <sup>®</sup>	Iprodione	✓			Med-High
Vangard <sup>®</sup>	Cyprodinil	✓	✓		Medium
Ziram <sup>®</sup>	Ziram		✓		Low
Sulfur	Sulfur		✓	✓	Low

## Best Use Recommendations

### Brown Rot Blossom Blight and Fruit Rot-

Fruit rot is managed by controlling blossom and twig blight in the spring with preventative control measures. For maximum control, apply Regalia at pink bud and full bloom. If disease pressure is high, an additional application after petal fall is recommended. Preharvest sprays for fruit rot control should begin four weeks before harvest on a 7-10 day interval.

**Powdery Mildew-** Applications of Regalia should begin within 2 weeks following petal fall and continue on a 7-14 day schedule depending upon disease pressure. Tank-mixing Regalia or rotating with DMI and/or strobilurin chemistries will enhance control.

Apply 1-4 quarts of Regalia per acre in 100 gallons of water when applied as part of a tank-mix or rotational program. Apply 2-4 quarts of Regalia per acre in 100 gallons when applied alone.

## Can Be Used for Conventional and Organic Production

Regalia can be used stand-alone or in rotational and tank mix programs with other NOP compliant products such as sulfur and other products to provide broad spectrum control of most foliar and fruit diseases.



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

Mark Allen, Northern CA and Pac NW, 530-304-9091  
 Jesse Rosales, Western Territory Mgr., 530-304-2030  
 Ryan Hesse, CA Central Valley, 559-799-1659  
 Jay Osborne, Eastern Territory Mgr., 239-207-7168  
 Patrick Clark, NE and Midwest Sales Rep., 215-490-3981  
 David Warman, Director of Sales, 336-202-3433



[www.MarroneBio.com/Regalia](http://www.MarroneBio.com/Regalia)