



# Fight Walnut Blight & Combat Resistance

## Regalia Controls Walnut Blight

Regalia® is a proven, powerful tool to control Walnut Blight. Historically, many growers relied on copper, but there is known resistance to copper throughout the Sacramento and San Joaquin Valleys. Adding Regalia to copper improves control. Regalia is effective and readily available for walnut growers this season.



## Field Trials Prove

Regalia offers growers a unique mode of action. When treated with Regalia, the defense system of walnut trees is switched on to protect against attacking diseases. The active ingredient in Regalia, *Reynoutria sachalinensis*, has been tested for the past 3 years by independent researchers and the University of California (UC). Independent research conducted in Woodbridge in 2010 shows that Regalia plus copper controls Walnut Blight as well as mancozeb plus copper. Field trials in Woodbridge in 2010 further support that Regalia plus copper provides excellent control of blight. Research conducted at UC confirms that Regalia controls walnut blight as well as copper or mancozeb.

## Growers and PCAs Agree

University and independent field trials confirm what growers and PCAs have seen in the field. Regalia works on walnut blight. Over 29,000 acres of walnuts in California were successfully treated with Regalia in 2010. Here is what PCA's say about Regalia:

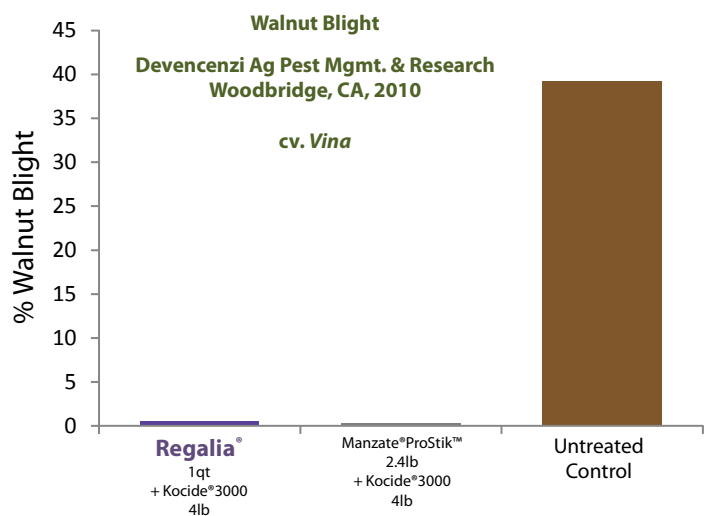
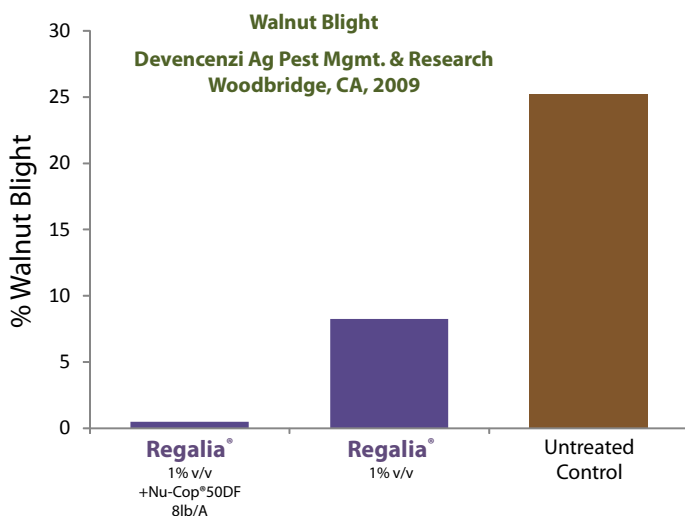
**"Last year was the worst blight year in the past 5 years. There was a lot of disease pressure. My growers and I put this product to the test on over 1500 acres, and Regalia came through with flying colors."**

- Thad Baker, PCA, Yuba City

**"In 2010, my walnut growers used Regalia and copper all season for blight control. We were very pleased with the results finding little or no blight in a very wet spring."**

- Chris Simas, PCA, Woodland

Over 29,000 acres of California walnuts were treated with **Regalia®** in 2010.



## Compatibility- Common Regalia Tank Mix Partners

Regalia is shown to be compatible with multi-site, contact coppers such as Kocide® and Nordox®, multi-site dithiocarbamates such as Mancozeb

and other classes of pesticide chemistry. If compatibility with another product is unknown, a jar test should be conducted.

Brand Name	Active Ingredient	Family Group	FRAC
Regalia®	Extract of <i>Reynoutria sachalinensis</i>	Plant Host Inducers	P
Manzate®	Mancozeb	Dithiocarbamates	M3
Champion®	Copper Hydroxide	Inorganics- copper	M1
Champ Formula 2®	Copper Hydroxide	Inorganics- copper	M1
Kocide® 3000	Copper Hydroxide	Inorganics- copper	M1
Nu-Cop®50DF	Cupric Hydroxide	Inorganics- copper	M1
Nordox®	Cuprous Oxide	Inorganics- copper	M1

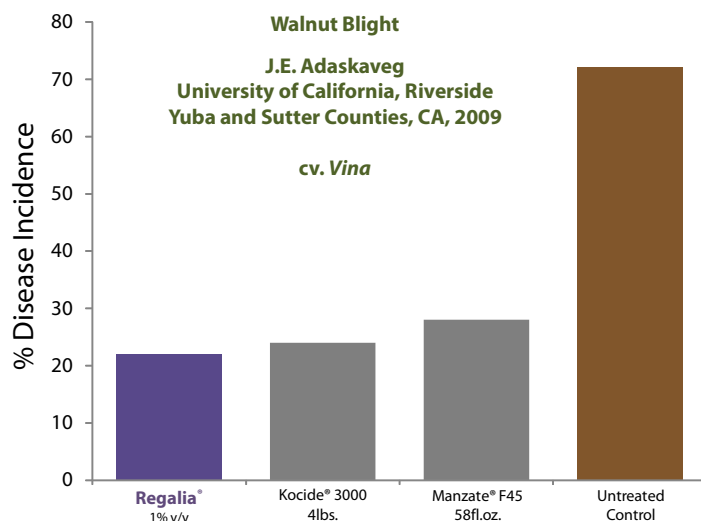
## Best Use Recommendations

For best results, use Regalia as a preventative treatment. For maximum Walnut Blight control, begin applications as soon as susceptible leaf tissue is present. Apply when 40% of the buds are at the "prayer" stage, and then at 7 – 10 day intervals to protect new shoots. Additional treatments are recommended depending on weather and disease pressure.

Apply 1-4 quarts of Regalia per acre with a labeled rate of copper fungicide, or apply 2-4 quarts of Regalia if used stand alone. Spray with sufficient water and pressure to obtain thorough coverage.

## Rainfast in One Hour

There can be frequent rainfall during the early-Spring Walnut Blight infection period in Northern California. Regalia is rainfast in only one hour, so growers can get important sprays out even in tough weather.



**Regalia®** controls Walnut Blight as well as manzate or copper.



CAN BE USED IN ORGANIC PRODUCTION

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

Jesse Rosales, Western Territory Manager, 530-304-2030

Mark Allen, Northern CA and Pac NW, 530-304-9091

Ryan Hesse, Central Valley CA, 559-799-1659

David Warman, Director of Sales, 336-202-3433



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

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