



Citrus Canker, Greasy Spot, & Melanose



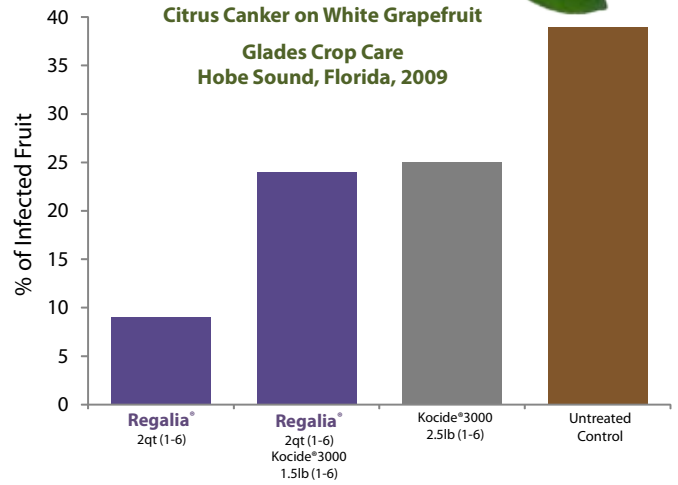
Broad Spectrum Disease Control

With Regalia®, citrus growers finally have a highly effective tool to fight three of the most damaging diseases: Citrus Canker, Greasy Spot and Melanose. Additionally, Regalia is labeled for Alternaria Brown Spot, and for the emerging new threat, Black Spot. Now growers get a broad spectrum of fungal and bacterial disease control in just one product.

Historically, copper has been used to control Canker, but there is known resistance to copper, and copper alone often does not provide sufficient control. Tank mixes and rotations of oil and copper have been used on Greasy Spot and Melanose for years, and many growers add strobilurin fungicides to the program for improved control, but growers cannot use strobilurins more than four times each season. Unlike strobilurins, Regalia can be applied all season long (see 'Compatibility and Resistance Management' on reverse).

Use Regalia on the Following Citrus Crops:

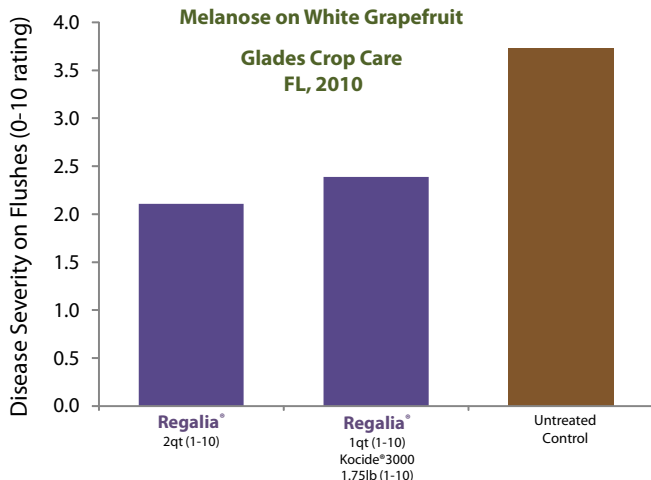
Orange • Grapefruit • Lemon
Tangerine • Tangelo • Pummelo



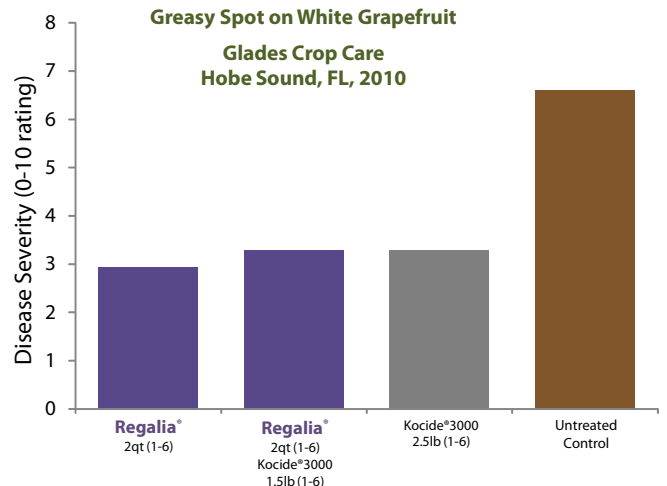
- Application Dates: 1= Jun 26, 2= Jul 17, 3= Aug 7, 4= Aug 27, 5= Sep 16, 6= Oct 8
- Evaluated on Jan 5.

Synergy with Copper and Strobilurins

Regalia synergizes both strobilurin and copper fungicides, meaning that Regalia makes both strobilurin and copper programs more effective. Recent university and independent field trials in Florida confirm that Regalia improves copper control programs for Citrus Canker. In the trials, Regalia plus a reduced rate of copper was as effective as a high rate of copper alone on Citrus Canker in white grapefruit and Valencia oranges. In separate trials on Greasy Spot in grapefruit, Regalia plus a low rate of copper was as effective as a high rate of copper alone.



- Treatments applied 10 times at 21-day intervals.
- Disease evaluated on Dec 22.



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Compatibility and Resistance Management

There is a known resistance risk to many commonly used fungicides, but there is a very low risk of resistance with Regalia (see chart below). Regalia is an ideal component in resistance management programs, and is shown to be compatible with many other types of pesticide chemistry including strobilurin fungicides

such as Abound®, Gem™, and Headline®, and DMI fungicides such as Enable®. Unlike petroleum oils, Regalia can be applied in hot weather, and unlike coppers there are no mite concerns. If compatibility with another product is unknown, a jar test should be conducted.

Product Name	Active Ingredient	Canker	Melanose	Greasy Spot	Max # of Applications	Resistance Risk
Regalia®	Extract of <i>Reynoutris Sachalinensis</i>	✓	✓	✓	No Restrictions	Low
Abound®	Azoxystrobin		✓	✓	DO NOT make more than 4 applications of Group 11 fungicides per season	High
GEM™500SC	Trifloxystrobin		✓	✓		High
Headline®	Pyraclostrobin		✓	✓		High
Quadris Top™	Azoxystrobin + Difenconazole		✓	✓		High
Enable® 2F	Fenbuconazole			✓	3 applications	Medium

Regalia Best Use Recommendations

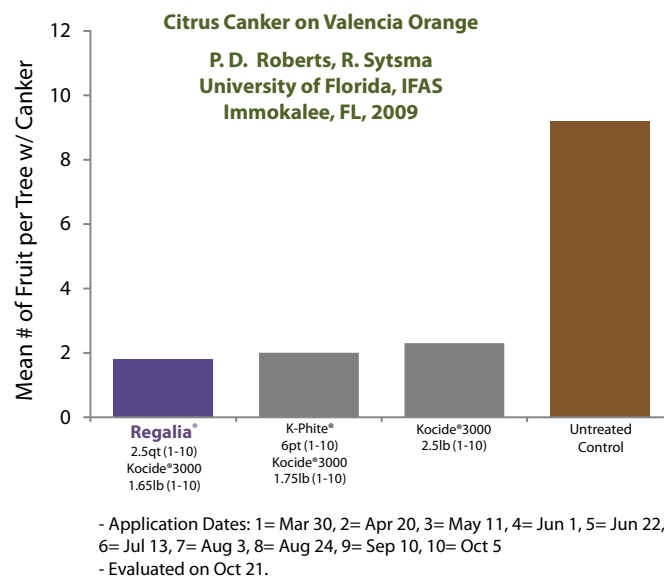
For best results, use Regalia as a preventative treatment. For maximum disease control, an initial application should be made at first flush with subsequent applications made at 14 to 21-day intervals. Additional treatments are recommended during rainy conditions.

In low disease pressure situations or prior to conditions favorable for disease development, 2 quarts of Regalia may be applied in 50-100 gallons of water per acre. In moderate to high disease pressure situations, 2-4 quarts of Regalia may be applied in 50-100 gallons of water per acre or 1-4 quarts of Regalia may be used if tank mixed with another fungicide.

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



Always read and follow label directions. Regalia is a registered trademark of Marrone Bio Innovations, Inc. Kocide 3000 is a registered trademark of DuPont. K-Phite is a registered trademark of Plant Food Systems, Inc. GEM is a registered trademark of Bayer CropScience. Abound and Quadris Top are registered trademarks of Syngenta Crop Protection, Inc. Headline is a registered trademark of BASF Ag Products. Enable is a registered trademark of Dow AgroSciences LLC.
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Jesse Rosales, Western Territory Manager, 530-304-2030
Jay Osborne, Eastern Territory Manager, 239-207-7168
Mark Allen, Northern CA and Pac NW, 530-304-9091
Ryan Hesse, Central Valley CA, 559-799-1659
Patrick Clark, NE and Midwest Sales Rep., 215-490-3981
David Warman, Director of Sales, 336-202-3433



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