

NEW Regalia® Powdery Mildew on Cucurbits Controls

Regalia® is a powerful new product to control Powdery Mildew on cucurbits. There is known resistance to DMIs and strobilurins, and sulfur only provides a moderate level of control. New Regalia is effective, safe, and has a unique mode of action that is an excellent tool in resistance management programs.

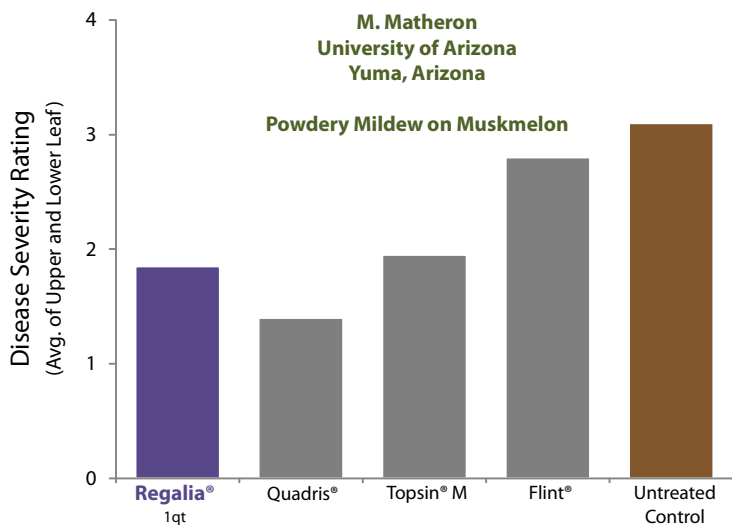
Regalia has been successfully evaluated by several universities on all major cucurbit crops, including cucumber, watermelon, summer squash, cantaloupes honeydew melon, muskmelon and pumpkin. Field trials conducted in Fresno County prove that Regalia plus Rally is effective at controlling Powdery Mildew on cucurbits. Independent research proved that low rates of Regalia, as little as 1 quart per acre, provide excellent control of Powdery Mildew on melons. In California, university field trials proved that Regalia controls Powdery Mildew on cantaloupes and honeydews.

How Regalia Works

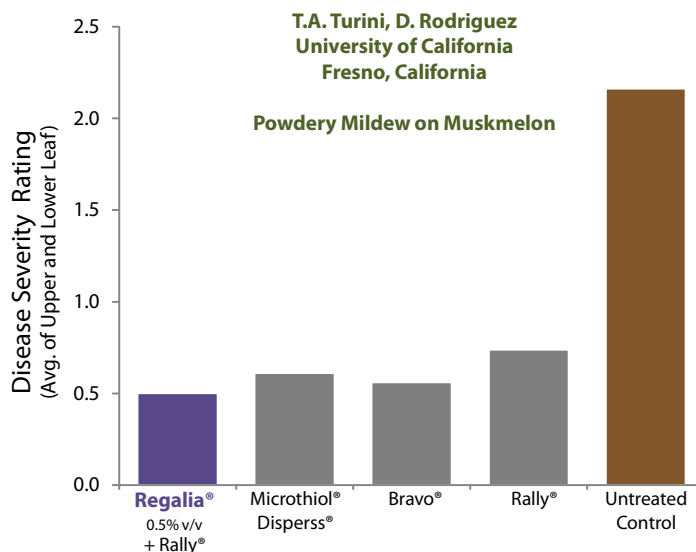
When treated with Regalia, the defense systems of crops are 'switched on' to protect against attacking diseases. Research proves that plants treated with Regalia produce and accumulate elevated levels of specialized proteins and other compounds known to inhibit fungal and bacterial diseases. Regalia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

Regalia synergizes with DMIs for superior control of Powdery Mildew.

Regalia has a unique mode of action that is excellent in resistance management programs.



- Treatments applied on May 23, May 30, Jun 6, Jun 13, Jun 18.
- Disease evaluated on Jun 25 and 26.
- Partial treatment list.



- Treatments applied on Aug 6, Aug 17, Aug 25, Sep 2 (preventative program), Aug 28, (curative app), Sep 4 (as needed).
- Disease evaluated on Aug 31, Sep 8, and Sep 17.
- Partial treatment list.

Four Hour REI and Zero Day PHI

Regalia carries a re-entry interval (REI) of only 4 hours, so workers can get back in the field quickly. With a 0 day pre-harvest interval (PHI), growers can now protect crops right up to harvest.

Always read and follow label directions. Regalia is a registered trademark of Marrone Bio Innovations, Inc. Dusting Sulfur is a product of Wilbur-Ellis. Pristine is a registered trademark of BASF Ag Products. Bravo and Quadris are registered trademarks of Syngenta Crop Protection. Procure is a registered trademark of Chemtura Corporation. Flint is a registered trademark of Bayer CropScience. Microthiol, Disperss, and Topsin M are registered trademarks of United Phosphorus, Inc. Rally and Quintec are registered trademarks of Dow AgroSciences LLC. © March 2010 Marrone Bio Innovations, Inc.

Compatibility Chart - Common Regalia Tank Mix Partners

Regalia is compatible with sulfur, DMIs such as Rally® and Procure®, strobilurins such as Flint® and Quadris®, and many 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	Resistance Risk
Regalia®	Extract of <i>Reynoutria sachalinensis</i>	Plant Host Inducers	P	Low
Topsin®M	Thiophanate-methyl	Methyl benzimidazole carbamate	1	High
Rally®	Myclobutanil	Demethylation Inhibitor	3	Medium
Procure®	Triflumizole	Demethylation Inhibitor	3	Medium
Pristine®	Boscalid + Pyraclostrobin	Carboxamide + Strobilurin	7 11	Medium High
Flint®	Trifloxystrobin	Strobilurin	11	High
Quadris®	Azoxystrobin	Strobilurin	11	High
Quintec®	Quinoxifen	Quinolines	13	Medium
Microthiol® Disperss®	Micronized Sulfur	Multi-Site Contact - Inorganic	M2	Low
Dusting Sulfur	Sulfur	Multi-Site Contact - Inorganic	M2	Low

Regalia Best Use Recommendations

For best results, use Regalia as a preventative treatment. Ideally, applications should be begin shortly after transplant or should begin at the 4 to 6 leaf stage to protect susceptible leaf tissue. Repeat applications at 7 to 10 day intervals.

In low disease pressure situations or prior to conditions favorable for disease development, 1-2 quarts of Regalia may be applied in 50-100 gallons of water per acre. In moderate to high disease pressure situations, 1-2 quarts of Regalia may be applied in 50-100 gallons of water per acre, and tank mixed or alternated with another fungicide. In situations where disease is observed in the field prior to application, Regalia should be tank mixed with a systemic fungicide.

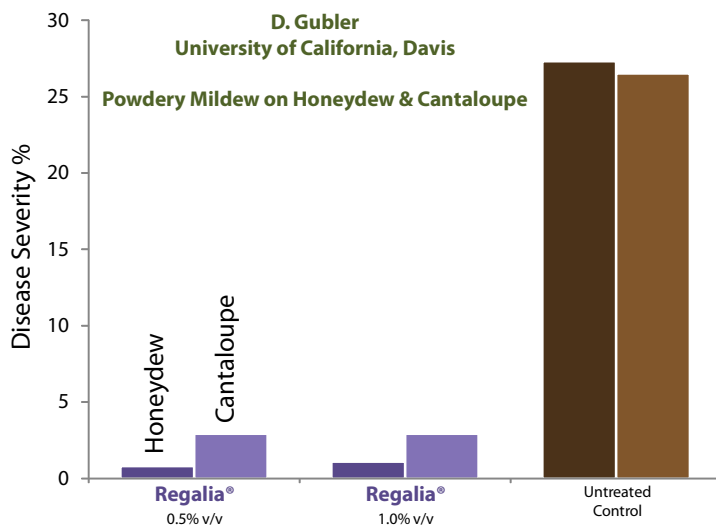


CAN BE USED IN ORGANIC PRODUCTION



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

Jesse Rosales, Western Territory Manager, 530-304-2030
 Ryan Hesse, Central Valley CA, 559-799-1659
 Mark Allen, Northern CA and Pac NW, 530-304-9091



- Three treatments applied beginning on Aug 29.
- Disease evaluated on Sep 26 for Cantaloupe and Sep 25 for Honeydew.
- Partial treatment list.

Regalia controls Powdery Mildew on Honeydew and Cantaloupe even at low rates.



www.MarroneBio.com/Regalia