

**NEW**



# Controls Disease on Cucurbits

Regalia® is a powerful new product to manage Powdery Mildew, Downy Mildew, Gummy Stem Blight, and Phytophthora Blight in cucurbits.

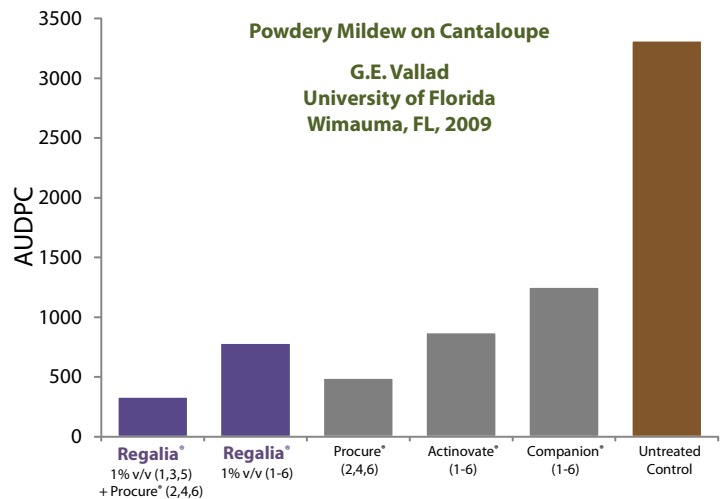
Regalia has been successfully evaluated in multiple university trials on all major cucurbit crops, including cucumber, watermelon, summer squash, cantaloupe, honeydew, muskmelon, and pumpkin. The development of fungicide-resistant pathogens is a constant challenge to cucurbit producers. New Regalia is effective, proven, and has a unique mode of action that is an excellent tool in preventing and managing the development of resistance pathogens.

## Synergy with DMIs and Strobilurins

Regalia is proven to synergize DMIs and strobilurins for superior disease control. University trials in Georgia prove that DMIs and strobilurins are more effective at controlling Gummy Stem Blight on watermelon when used in a program with Regalia. Additionally, field studies on cantaloupe in Florida prove that better control of Powdery Mildew is provided by Regalia plus a DMI fungicide than by the DMI fungicide alone.

## How Regalia Works

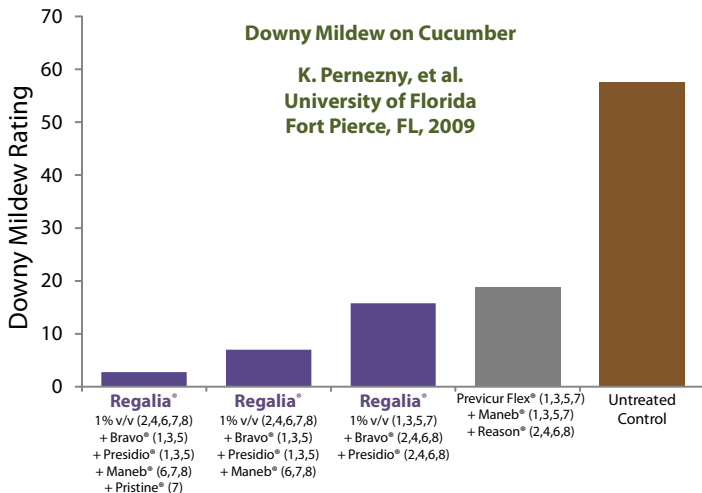
When treated with Regalia, the defense systems of crops are 'switched on' to protect against attacking diseases. Research proves that plants treated with Regalia produce and accumulate elevated levels of specialized proteins and other compounds known to inhibit fungal and bacterial diseases. Regalia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



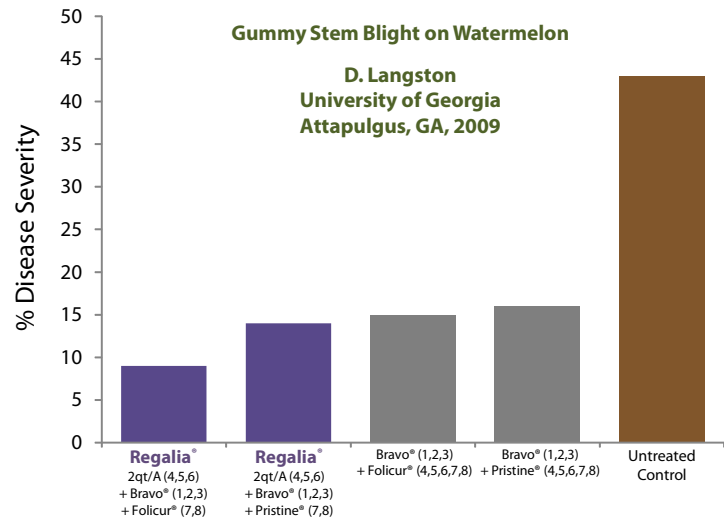
- Treatments applied weekly for a total of 6 applications.  
 - Treatments applied in 40-100 gal/A of water depending on crop maturity.

**Use Regalia on the Following Cucurbit Diseases:**  
 Powdery Mildew • Downy Mildew  
 Phytophthora Blight • Gummy Stem Blight

**Regalia synergizes DMIs and strobilurins for superior control of cucurbit diseases.**

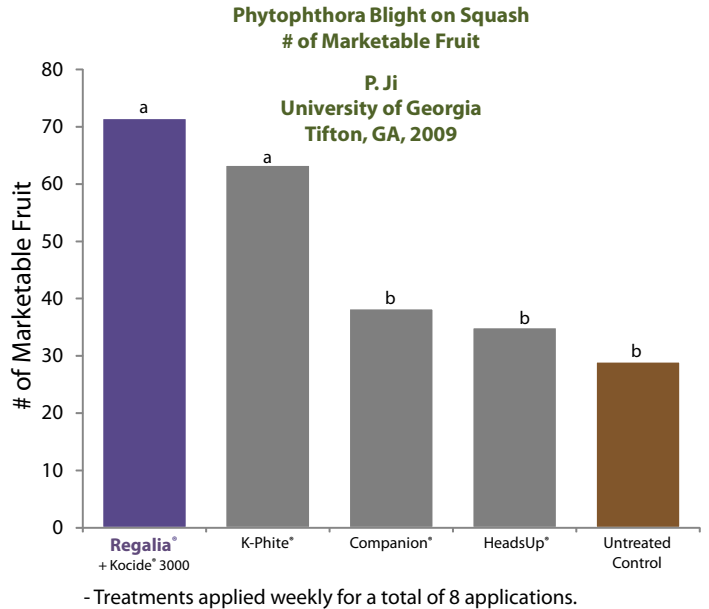
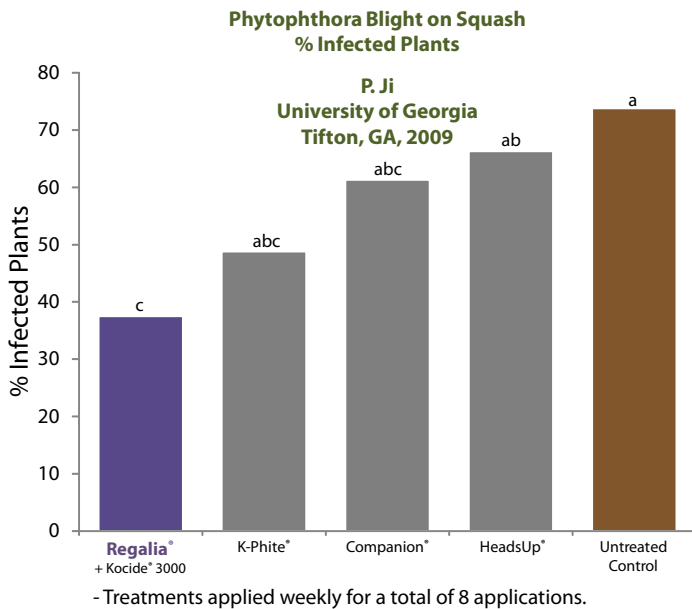


- Treatments applied weekly for a total of 8 applications.  
 - Treatments applied in 40-100 gal/A of water.



- Treatments applied weekly for a total of 8 applications.

## Regalia suppresses Phytophthora Blight and increases marketable yield in cucurbits.



### Regalia Best Use Recommendations

**Powdery Mildew-** When disease pressure is low, or likely to develop, apply Regalia at 1 qt per 50 gal of water at a 7-10 day interval. In moderate to high disease pressure situations, apply Regalia at 1 qt per 50 gal of water in alternation or tank mixed with a labeled rate of DMI, strobilurin, or quinoxifen fungicide. If disease is observed in the field prior to application, Regalia should be tank mixed with a systemic fungicide. Always apply Regalia in sufficient water using proper equipment to obtain maximum coverage of upper and lower leaf surfaces.

#### For Suppression of Phytophthora Blight -

Apply Regalia at 1-4 qts per acre in combination with labeled rates of a copper fungicide.

**Downy Mildew & Gummy Stem Blight-** When disease pressure is low or likely to develop, apply Regalia at 1 qt per 50 gal of water at a 7-10 day interval in alternation with a labeled rate of a chemical fungicide labeled for either downy mildew or gummy stem blight. In moderate to high disease pressure situations, apply Regalia at 1 qt per 50 gal of water tank mixed with a labeled rate of a chemical fungicide labeled either for downy mildew or gummy stem blight.

### Compatibility

Regalia is compatible with sulfur, DMIs such as Rally<sup>®</sup> and Procure<sup>®</sup>, strobilurins such as Flint<sup>®</sup> and Quadris<sup>®</sup>, and many other classes of pesticide chemistry. If compatibility with another product is unknown, a jar test should be conducted.

### Can Be Used in Organic Production

For organic production, combinations of Regalia at 1-2 quarts per 50 gallons of water plus labeled rates of NOP compliant or OMRI listed copper fungicides will provide broad spectrum control of most foliar diseases on cucurbits.



CAN BE USED IN ORGANIC PRODUCTION



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

Jay Osborne, Eastern Region, 239-207-7168

Brian Anderson, Great Lakes Region, 616-299-8155

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

Tim Johnson, Ph.D., Product Dev. Manager, 570-441-8775



[www.marronebio.com/regalia](http://www.marronebio.com/regalia)