REGALIA®
BIOFUNGICIDE

A Powerful Fungicide for Disease Control on Beans

Snap bean growers face intense pressure from fungal and bacterial diseases, including **White Mold**, **Gray Mold**, **Bacterial Blight**, **Rust**, and ***Pythium***. Many products only control one or two pathogens, but Regalia® is active against all five (see chart on back). With Regalia, growers get a broad spectrum of bacterial and fungal disease control in just one product.

HOW REGALIA WORKS

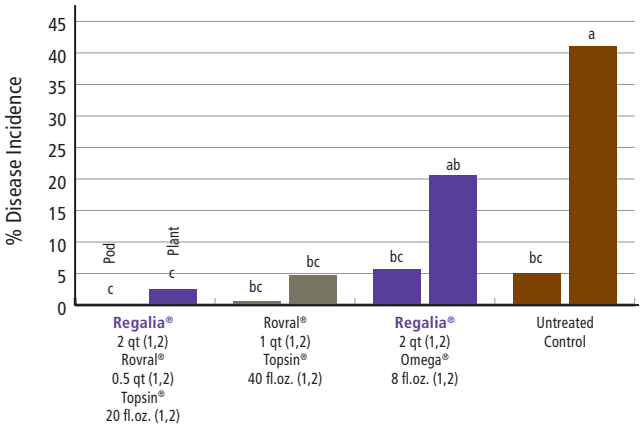
When treated with Regalia, the defense systems of plants are 'switched on' to protect against attacking diseases. Research proves that plants treated with Regalia produce and accumulate elevated levels of specialized proteins and other compounds known to inhibit fungal and bacterial diseases. Regalia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

RESISTANCE MANAGEMENT

Growers often rely on synthetic fungicides with single-site activity. These products can be effective, but are known to have a medium, to high, 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 used in rotation or in a tank mix (see Compatibility and Resistance Management Chart on reverse).

Gray Mold on Beans

Independence, OR

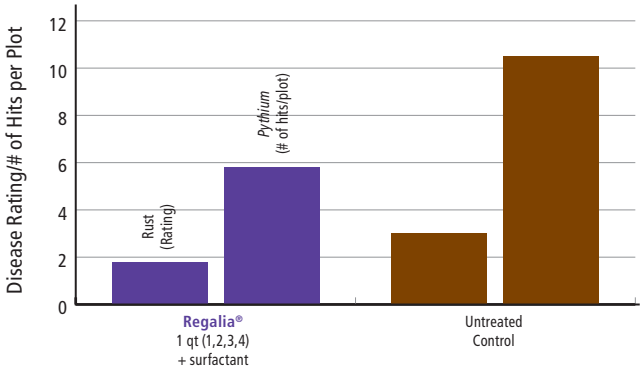


Treatments applied on 1= Aug 20 (25% bloom), 2= Sep 1.
Disease evaluated on Sep 15.
All treatments applied with a surfactant.

Regalia is a flexible tank-mix partner with a low risk of resistance

Rust and *Pythium* on Beans

University of Florida, Homestead, FL



Treatments applied on 1= May 4, 2= May 11, 3= May 18, 4= May 25.
Disease evaluated on May 30.

FEATURES

- Broad-spectrum fungal and bacterial disease control
- Complex mode of action
- Rainfast in 1 hour
- 4-hour REI / 0-day PHI
- Tolerance exempt
- Approved for field and greenhouse applications
- NOP compliant and OMRI approved
- For ground and aerial applications
- Approved for foliar and soil applications

REGALIA FOR BEANS

LABELED DISEASES

- White mold
- Gray mold
- *Pythium* (aerial blight phase)
- Rust
- Bacterial Blight
- Powdery Mildew

BEST USE RECOMMENDATIONS

White Mold and Gray Mold

Ground Applications: Apply 1–2 quarts of Regalia per acre in 20–50 gallons of water in combination with minimum label rates of thiophanate-methyl and iprodione fungicides. Make an initial application at 10–25% bloom and a second application 5–10 days later. Follow label directions for all tank mix materials.

Aerial Applications: Apply 0.5–1 quart of Regalia per acre in a minimum of 5 gallons of water in combination with minimum label rates of thiophanate-methyl and iprodione fungicides. Higher water volumes will improve control. Make an initial application at 10–25% bloom and a second application 5–10 days later. Follow label directions for all tank mix materials.

Rust, *Pythium* and Bacterial Blight

Ground Applications: Apply 1–2 quarts of Regalia per acre in 20–50 gallons of water prior to the onset of disease and repeat on a 7–14 day schedule. For improved control, tank mix Regalia with other fungicides labeled for the targeted disease(s).

Aerial Applications: Apply 0.5–1 quart of Regalia per acre in a minimum of 5 gallons of water prior to the onset of disease and repeat on a 7–14 day schedule. Higher water volumes will improve control. For improved control, tank mix Regalia with other fungicides labeled for the targeted disease(s).

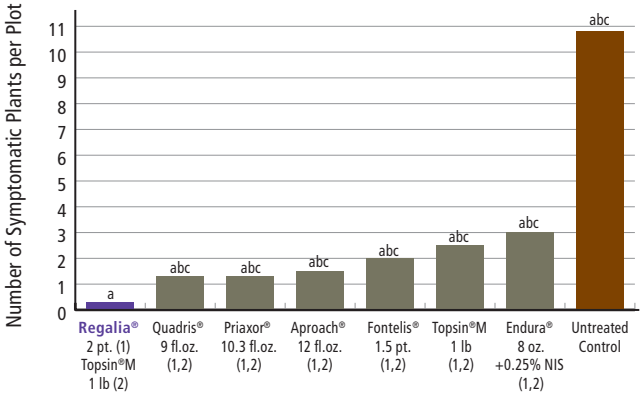
Table 1: Compatability Chart for Common Regalia Tank Mix Partners

Product*	Active Ingredient	White Mold	Gray Mold	Rust	*Pythium*	Bacterial Blight	Resistance Risk	PHI (days)
REGALIA	Extract of *Reynoutria Sachalinensis*	◆	◆	◆	◆	◆	Low	0
ROVRAL®	Iprodione	◆	◆				Med-High	14
TOPSIN®	Thiophanate-methyl	◆	◆				High	14
ENDURA®	Boscalid	◆	◆				Med-High	7
OMEGA® 500F	Fluazinam	◆	◆				Low	14
BRAVO® ULTREX	Chlorothalonil		◆	◆			Low	7
HEADLINE®	Pyraclostrobin			◆			High	7
QUADRIS®	Azoxystrobin			◆			High	0

* Chart reflects approved application on snap beans in Florida.

White Mold on Snap Beans

University of Wisconsin, WI



Foliar applications were applied at either the 30% bloom stage on 26 June (1) and/or at 100% flowering (7 days after 30% bloom) on 3 July (2).
Column numbers followed by the same letter are not significantly different at P=0.05 as determined by Fisher's Least Significant Difference (LSD) test.
Evaluated at harvest on 19 July. 2013

Always read and follow label directions.

CAN BE USED IN ORGANIC PRODUCTION OMRI LISTED

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