



## Making Fungicide Programs Better

Higher Yields ■ Enhanced Disease Control ■ Reduced Risk of Resistance

REGALIA® Rx is an advanced, broad-spectrum biofungicide that activates plants' natural defenses to improve plant health, combat fungal and bacterial diseases, and boost yield performance. Add REGALIA Rx to the mix and benefit from a crop that is healthier, stronger, and more productive.

### THE VALUE OF REGALIA RX

#### Higher Yields and Healthier Plants

REGALIA Rx increases leaf chlorophyll content, leading to enhanced photosynthetic activity; this activity can result in more vigorous plants and higher yields. REGALIA Rx also increases lignification, which strengthens cell walls. This improves the physical barrier to attacking pathogens and has the potential to improve standability and/or reduce lodging.

#### Broad-Spectrum Disease Control

Using REGALIA Rx—a preventive biological fungicide—in rotation, or mixed with synthetic fungicides, improves overall disease control by delivering more modes of action against the target pathogen.

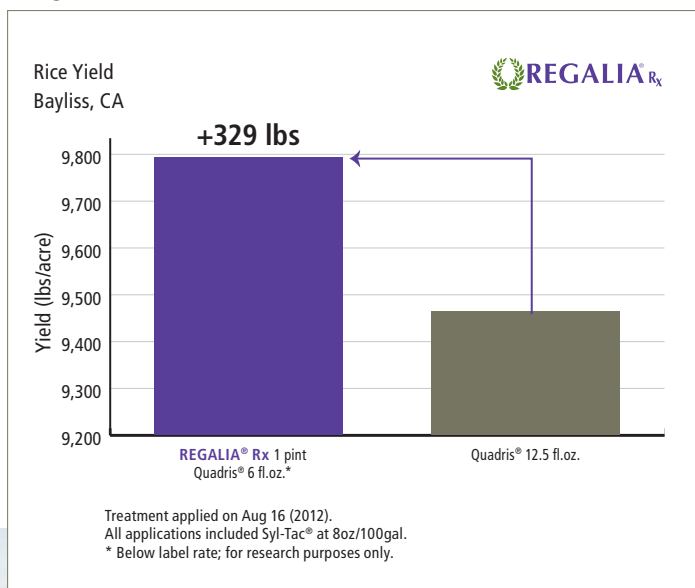
#### Ideal for Resistance Management Programs

Resistance to fungicides with a single site of activity is increasingly common. Conversely, REGALIA Rx features multiple modes of action, which minimizes the risk of resistance and can help extend the life of synthetic fungicides when used in rotation or in a tank mix.

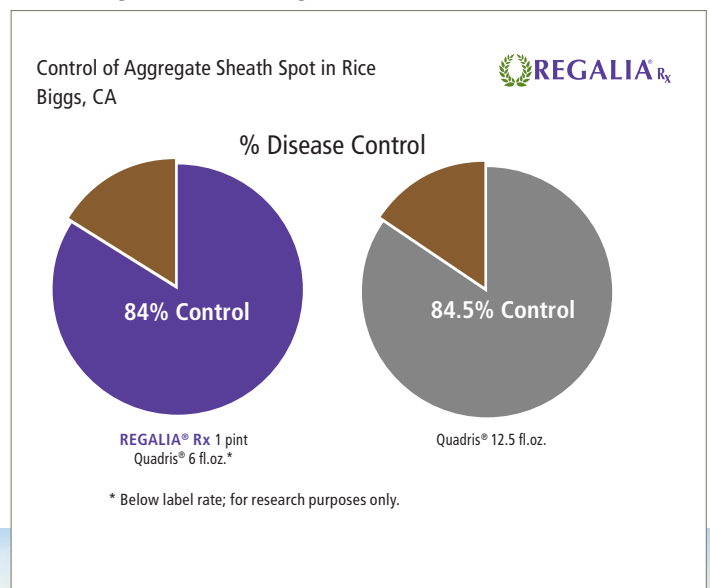
#### No Yield Drag

Unlike many fungicides, which can negatively affect yield potential, REGALIA Rx has no yield drag.

REGALIA Rx mixed with Quadris® increases yield beyond using Quadris alone.



REGALIA Rx plus a low rate of Quadris is as effective in controlling disease as a high rate of Quadris alone.



## THE SCIENCE OF REGALIA RX

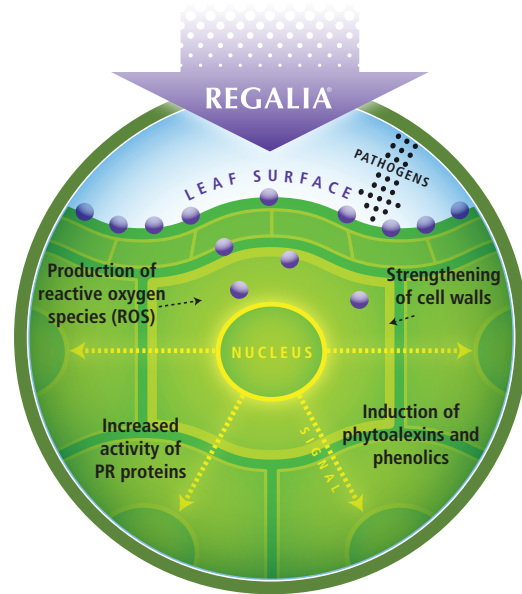
REGALIA Rx has multiple modes of action collectively referred to as Induced Systemic Resistance (ISR). When applied to crops, REGALIA Rx creates a defense response in treated plants, improves vigor, and promotes growth.

### INHIBITS PATHOGEN GROWTH

ISR triggers the creation of several antimicrobial compounds that help treated plants inhibit and restrain pathogen growth. In plants treated with REGALIA Rx, phytoalexins and phenolic compounds are induced, activity of defense-related PR proteins is increased, and levels of reactive oxygen species (ROS) are elevated.

### PROMOTES PLANT GROWTH

In addition to disease control, REGALIA Rx also enhances plant health by stimulating the production of phytohormones and chlorophyll—a critical compound in photosynthesis, the energy-producing reaction in plants. Higher energy production can lead to more vigorous plant and root growth and, ultimately, yield increases.



### STRENGTHENS CELL WALLS

ISR signals the plant to accumulate more lignin, which thickens and strengthens cell walls. This added strength helps protect against penetration by pathogens and lends structural integrity to the plant.

USING REGALIA RX ON RICE	
LABELED DISEASES	Aggregate Sheath Spot Sheath Blight Stem Rot
TIMING	Apply REGALIA Rx at the first observation of disease symptoms. To maximize yields in rice, apply immediately after flag leaf emergence.
RATES FOR PLANT HEALTH	Apply REGALIA Rx at 1 pint/acre in combination with a strobilurin or triazole fungicide, in a minimum of 10 gallons of water by ground, or 5 gallons of water by air.
RATES FOR DISEASE CONTROL	Apply REGALIA Rx alone or in combination with a strobilurin or triazole fungicide. Use 1–2 quarts in a minimum of 10 gallons of water by ground, or 0.5–1 quarts in 5 gallons of water by air.
COMPATIBILITY	REGALIA Rx (Group P5) is compatible with stobilurins (such as Quadris® and Stratego®), triazole fungicides (such as Quilt®, and Tilt®), and many other classes of pesticide chemistry. If compatibility is unknown, a jar test should be conducted.

PRODUCT CHARACTERISTICS	
MODE OF ACTION	Induced Systemic Resistance (ISR)
FRAC CODE	P5
ACTIVITY	Preventive with biostimulant activity
RESISTANCE RISK	Low
REI	4 hours
PHI	0 days
FORMULATION	Liquid
RAINFASTNESS	1 hour
ORGANIC USE	OMRI approved and NOP compliant
MRL	Tolerance exempt
SPRAY BUFFER	None required
USE RESTRICTIONS	No restrictions on number of applications

Always read and follow label directions.



FOR ADDITIONAL INFORMATION, CONTACT YOUR LOCAL RETAILER OR MARRONE BIO INNOVATIONS:  
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