

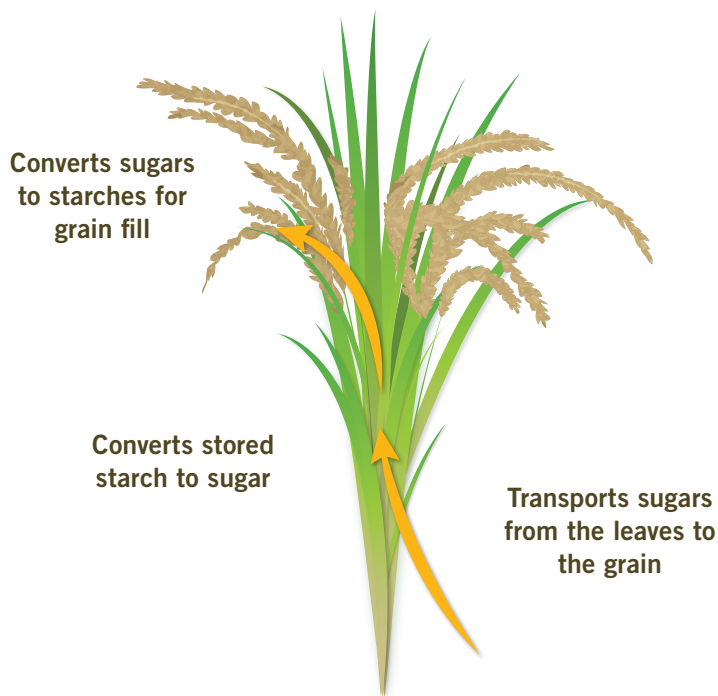


# GrainStar™

PLANT GROWTH REGULATOR

## PRODUCT BENEFITS

GrainStar™ Plant Growth Regulator is a first of its kind abscisic acid formulation. It simultaneously primes plants for unforeseen heat stress and enhances mobilization of carbohydrates to the developing grains for greater grain fill and ROI in rice.



## CARBOHYDRATE MOBILITY

Drives carbohydrate storage from the leaves to the grain



## INCREASED GRAIN FILL

Translocation of carbohydrates increases grain fill and weight for higher ROI



## HEAT STRESS MITIGATION

Primes plants for unforeseen drought events, securing yields

# GrainStar™

## Plant Growth Regulator

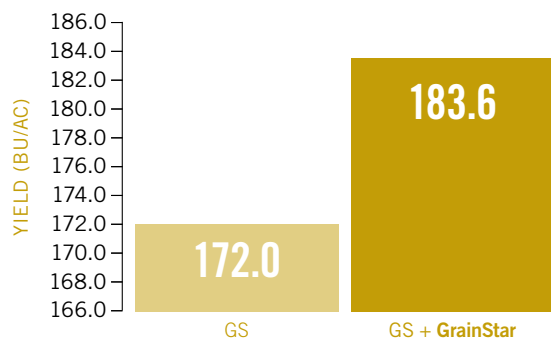
VALENTBIOSCIENCES.COM/BIOSTIMULANTS

### GrainStar Overview

- Unique S-abscisic acid formulation
- Clear mode of action on stomatal closure and carbohydrate synthesis
- Drives carbohydrates storage to the grain
- Increases grain fill and weight
- Primes plants for increased tolerance to drought and heat stress

### Increased Rice Yield in Hayes, Arkansas

- In a randomized complete block design trial on conventional rice, GrainStar was foliar applied in addition to a Grower Standard (GS) at 50% heading.
- Results showed GrainStar improved conventional rice yields 11.6 bu/ac greater than the GS alone.



Product	Rate	Timing
GrainStar	0.7 oz/ac	50% Heading

### Ingredient Statement

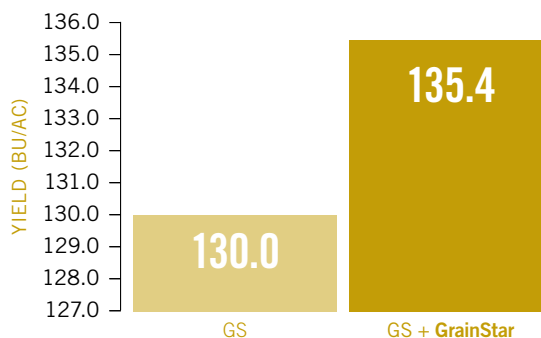
#### GrainStar Plant Growth Regulator

Active Ingredient: S-Abscisic Acid ..... 8.6%  
Other Ingredients ..... 91.4%  
TOTAL ..... 100.0%

Contains a total of 8.6 g of S-abscisic acid (S-ABA) in 100 g of product.

### Increased Rice Yield in Baton Rouge, Louisiana

- In a randomized complete block design trial on hybrid rice, GrainStar was foliar applied in addition to a GS at 50% heading.
- Results showed GrainStar improved hybrid rice yields 5.4 bu/ac greater than the GS alone.



Product	Rate	Timing
GrainStar	0.7 oz/ac	50% Heading

### HOW TO USE

#### Crop Type

Rice

#### Use Rate

Apply 0.7 oz/acre. See label for details or contact your crop advisor or Valent BioSciences for additional information.

#### Application Timing

Late boot to early heading



GrainStar is not available for use in California. Always read and follow label instructions. For the full product warranty, terms and conditions, please visit [www.warrantydetails.net](http://www.warrantydetails.net), or contact us at 1-877-696-4204.

Valent BioSciences logo is a registered trademark of Valent BioSciences LLC.  
GrainStar is a trademark of Valent BioSciences LLC.

1910 Innovation Way, Suite 100, Libertyville, IL 60048 | ©Valent BioSciences April 2026

