

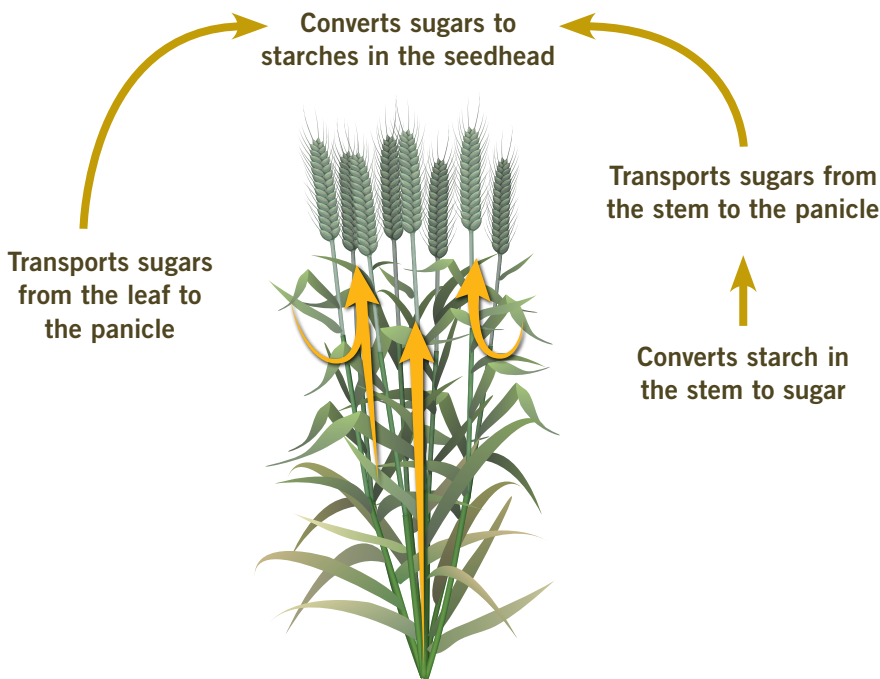


# GrainStar™

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 wheat and barley.



## PRODUCT BENEFITS



### CARBOHYDRATE MOBILITY

Drives carbohydrate storage from the leaves and stem 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

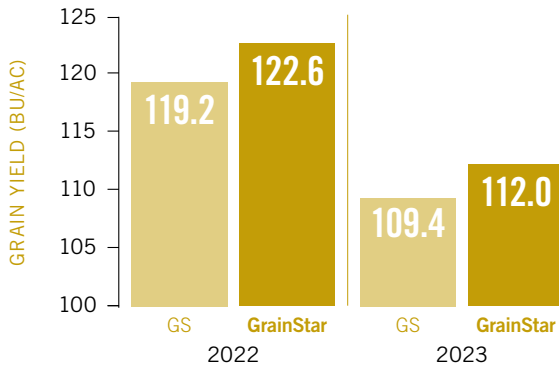
VALENTBIOSCIENCES.COM/BIOSTIMULANTS

### 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 Wheat & Barley Yield

- Over two seasons, GrainStar improved wheat and barley yield on average 3 bu/ac over the Grower Standard (GS) alone.



Product	Rate	Timing
GrainStar	1 oz/ac	Flag leaf – 50% heading

### Ingredient Statement

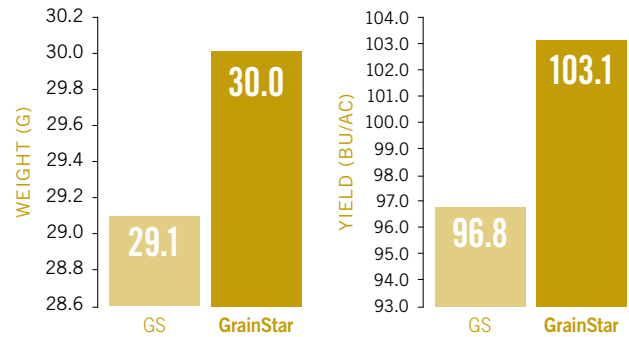
#### GrainStar Plant Growth Regulator

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 Grain Weight

- Use of GrainStar on wheat increased 1,000 grain weight and ultimately wheat yield when compared to the GS alone.



Product	Rate	Timing
GrainStar	1 oz/ac	Flag leaf – 50% heading

### HOW TO USE

#### Crop Type

Wheat, barley

#### Use Rate

Apply 1.0 oz/acre. See label for details or contact your crop advisor or Valent BioSciences for additional information.

#### Application Timing

Flag leaf – 50% 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.

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