SUMITOMO BIORATIONAL

GrainStar®

PLANT GROWTH REGULATOR



PRODUCT BENEFITS

CARBOHYDRATE MOBILITY

Drives carbohydrate storage from the leaves to the grain

INCREASED GRAIN FILL & POD FILL

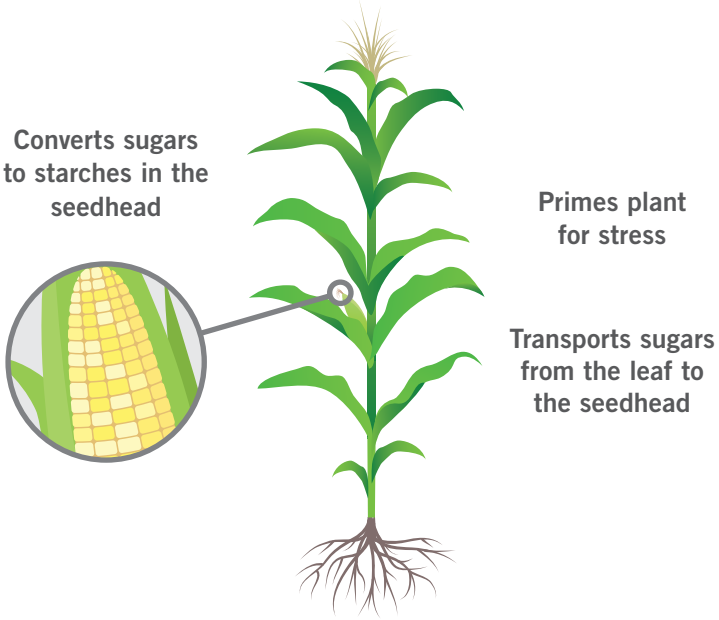
Translocation of carbohydrates increases grain and pod fill for higher ROI

STRESS MITIGATION

Primes plants to better respond to drought stress

GrainStar® Plant Growth Regulator is an S-abscisic acid (S-ABA) product for wheat, barley, corn, soybeans, and rice.

During grain fill, reduced movement of carbohydrates from the leaves to developing grain can limit kernel weight and ultimately yield potential. GrainStar supports carbohydrate translocation to reproductive tissues while priming plants to better respond to drought stress during grain fill.



MODE OF ACTION

S-ABA enhances mobilization and translocation of carbohydrates from the flag leaf to the developing grains, supporting increased grain fill and weight. Additionally, during periods of drought stress, S-ABA acts as a stress primer, inducing physiological responses in the plant that mitigate future stress events.

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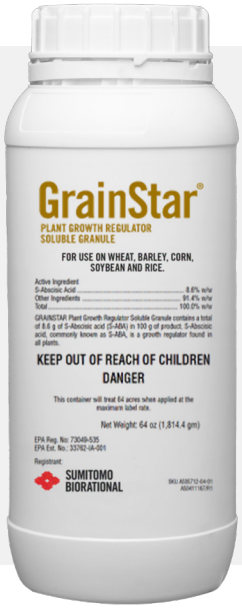
Contact your Sumitomo Biorational representative to discuss product fit, use, and application for optimal performance.

INGREDIENT STATEMENT

Active Ingredient: S-Abscisic Acid ..... 8.6% w/w
Other Ingredients ..... 91.4% w/w
TOTAL ..... 100.0% w/w
Contains a total of 8.6 g of S-abscisic acid in 100 g of product.

CROP	OBJECTIVE / BENEFIT	USE RATE	APPLICATION TIMING
Wheat, Barley *(Not for use in California)*	Improved grain fill and increased yield	1 oz/ac	Flag leaf to 50% heading
Field Corn *(Not for use in California)*	Improved grain fill and increased yield	0.7 oz/ac	Late vegetative
Soybean *(Not for use in California)*	Improved pod fill and increased yield	1 oz/ac	R2 – R3
Rice *(Not for use in California)*	Improved grain fill and increased yield	0.7 oz/ac	Late boot to early heading

Net Weight: 64 oz (1,814.4 g)



APPLICATION NOTES

- Use enough water volume to support adequate spray coverage of plants. For ground applications, use a minimum of 10 gallons per acre. For aerial applications, use a minimum of 2 gallons per acre.
- Apply GrainStar in the morning or evening when cooler temperatures and higher humidity favor slower drying and adequate product absorption.
- Do not apply GrainStar to stressed or injured plants.
- Where recommended, use a non-ionic surfactant at the final adjuvant concentration directed by the adjuvant manufacturer.
- Do not overhead irrigate treated plants for at least 6 hours following application of GrainStar.
- Do not apply GrainStar if rain is expected within 6 hours of application.

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SUMITOMOBIORATIONAL.COM/BIOSTIMULANTS

Always read and follow label instructions. For the full product warranty, terms and conditions, please visit warrantydetails.net, or contact us at 1-877-696-4204. GrainStar is a trademark of Sumitomo Biorational Company LLC.

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