



## ARE YOU IN A HOTSPOT FOR CORN ROOTWORM?

Don't leave the foundation of your yield defenseless against corn rootworm. Stay true to your roots with SmartStax® Technology. With two built-in modes of action, SmartStax® Technology can deliver maximum control of corn rootworm. Be prepared for whatever next year brings with corn rootworm technology proven on more than 100 million acres.

**SmartStax®**  
TECHNOLOGY

**Sources:** 'Hodgson, E. 2016. Guidelines for using sticky traps to assess corn rootworm activity. Integrated Crop Management. Iowa State University. <https://crops.extension.iastate.edu/cropnews/2016/06/guidelines-using-sticky-traps-assess-corn-rootworm-activity>

\*Field trials conducted on 1177 Corn field plots in 10 different states in 2018.

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**B.t. products** may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

**IMPORTANT IRM INFORMATION: RIB Complete® corn blend** products do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. SmartStax® RIB Complete® corn blend is not allowed to be sold for planting in the Cotton-Growing Area. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements. **ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. Roundup Ready®, Roundup® and SmartStax® are registered trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. ©2018 Bayer Group. All Rights Reserved.

## PLANTING PROTECTION. YIELDING PEACE OF MIND.

Don't leave the foundation of your yield defenseless against corn rootworm. Protect your roots from the Billion Dollar Bug with SmartStax<sup>®</sup> technology. Two built-in modes of action provide for maximum control of corn rootworm and the assurance of knowing your crop and yield potential are protected all season long.

### YIELD GOES BACK TO YOUR ROOTS

Explore the benefits of utilizing SmartStax<sup>®</sup> technology versus leaving your crop unprotected.

#### PROTECTED

##### SmartStax<sup>®</sup> Technology Protects:

Two built-in modes of action for maximum corn rootworm control

##### SmartStax<sup>®</sup> Technology:

Proven on over 100 million acres

#### UNPROTECTED

##### Corn Rootworm Pressure:

Extremely unpredictable with a high seasonal variance

##### Corn Rootworm Cost:

Farmers pay more than \$1 billion annually in crop damage and increased control costs\*\*

##### Corn Rootworm Damage:

Root node damage can lead to yield losses up to 45%\*\*\*

**10** bu/A & **20** bu/A  
**ADVANTAGE<sup>†</sup>** & **ADVANTAGE<sup>†</sup>**

SmartStax<sup>®</sup> RIB Complete<sup>®</sup> corn blend has proven to have an average 20 bu/A advantage over non-bt traited corn and an average 10 bu/A advantage over non-bt traited corn + a soil-applied insecticide.

\*\*U.S. Department of Agriculture (USDA) — Monsanto.com

\*\*\* Tinsley, N.A., Estes, R.E., and Gray, M.E. 2012. Validation of a nested error component model to estimate damage caused by corn rootworm larvae. Journal of Applied Entomology. DOI:10.1111/j.1439-0418.2012.01736.x.

†In moderate to high rootworm pressure situations, SmartStax<sup>®</sup> RIB Complete<sup>®</sup> corn blend products provided an average 20 bu/acre advantage over products without Bt corn rootworm protection and an average 10 bu/acre over products without Bt corn rootworm protection used in combination with a soil-applied insecticide. TD Sites in IL, IA, KS, CO, NE, WI, MI, IN, MN, SD, OH, DE (2010-2013) 100-112RM; N = 46 protocol site years under moderate and high CRW pressure. Moderate Pressure = untreated check averaged > 0.5-1.0. High Pressure = locations where untreated check averaged > 1.0.