PROVEN IN THE FIELD. REFLECTED IN THE YIELD.

Stay true to your roots with SmartStax® technology



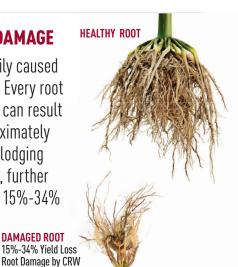
The best way to minimize the risk of devastating crop damage is to help maximize control of corn rootworm below ground, while protecting against above-ground pests. SmartStax® technology delivers two modes of action proven to provide the broadest spectrum of defense for corn rootworm in your field and the most complete protection for your yield.

WHAT SETS SMARTSTAX® TECHNOLOGY APART:

- **Broad spectrum of insect control** with two proven, highly effective modes of action against corn rootworm and the technology provides above- and below-ground insect control
- Maximize control of corn rootworm, the pest that can **cost** farmers more than \$1 billion annually in lost yield potential and costs of control
- Built-in herbicide resistance technologies can help the plant withstand glyphosate and glufosinate herbicide applications to prevent weeds from robbing plants of the nutrients and water they need

QUANTIFYING THE DAMAGE

Root damage is primarily caused by CRW larval feeding. Every root node nibbled by larvae can result in a yield loss of approximately 15%.1 In addition, root lodging can impede harvesting, further reducing grain yield by 15%-34%



EXCEPTIONAL ABOVE- AND BELOW-GROUND PROTECTION

Unique modes of action give corn plants the protection they need against major pests that can inflict serious crop damage.



CORN ROOTWORM (NORTHERN & WESTERN)



EUROPEAN CORN BORER



SOUTHWESTERN **CORN BORER**



CORN EARWORM



FALL ARMYWORM



^{1.} Journal of Applied Entomology 137 (2103): Validation of a nested error component model to estimate damage cause by corn rootworm larvae. N.A.Tinsley, R.E.Estes & M.E.Gray 2. Spike BP, Tollesfon JJ, 1991. Tivild response of corn subjected to western corn rootworm (Coleoptera:Chrysometidae) infestation and lodging. J. con. Entomol. 84, 1585-1590. 3. Commodity Price \$3.25/ac, Source: Kynetec TraitTrak Data, 2016

COMPARE YOUR CORN ROOTWORM PROTECTION OPTIONS



COTTON-GROWING AREA	Dual Modes-of-Action products for corn rootworm			Single Mode-of-Action products for corn rootworm	
	SmartStax* Corn	Qrome [°]	Optimum [*] Intrasect [*] Xtreme	VT Triple PRO°Corn	Agrisure [*] Viptera [*] 3111
PRIMARY PESTS					
Corn Rootworm (Northern & Western)	**	**	**	*	*
European Corn Borer	***	**	**	**	*
Southwestern Corn Borer	***	**	**	**	**
Corn Earworm ^{1,2}	**			**	*
Fall Armyworm	***	*	*	**	*
Black Cutworm	*	*	*		*
HERBICIDE TOLERANCE	Roundup Ready* 2 Technology/LibertyLink*	Roundup Ready° Corn 2/LibertyLink°	Roundup Ready° Corn 2/LibertyLink°	Roundup Ready° 2 Technology	Glyphosate/LibertyLink*
REFUGE (Cotton-Growing Area)	20% Structured	20% Structured	20% Structured	20% Structured	20% Structured
REFUGE EXAMPLE (Cotton-Growing Area)					

Modes of action equal control of pest

*** Triple-mode activity ** Dual-mode activity * Single-mode activity

Pioneer claims suppression of corn earworm on the Optimum* Intrasect* Xtra 1. Syngenta claims suppression of corn earworm with Bt11. Cry1A.105 and Cry2Ab2 from B.t. controls or suppresses corn earworm.



Before opening a bag of seed, be sure to read, understand and accept the sewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comple with the most recent sewardship requirements.





View more in-depth product comparisons at **Genuity.com/Compare**

Monsanto Company is a member of Excellence Through Stewardship" (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Grops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship' is a registered trademark of Excellence Through Stewardship.

B.t. products may not yet be registered in all states. Check with your Monsanto 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.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

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. Genuity", RIB Complete", Roundup and Design", Roundup Ready? Technology and Design", Roundup Ready", Roundup", SmartStax" and Genuity" VT Triple PRO" are trademarks of the Bayer Group. LibertyLink" and the Water Droplet Design" is a registered trademark of BASF. Respect the Refuge and Corn Design" is a registered trademark of National Corn Growers Association. All other trademarks are the property of their respective owners. © 2018 Bayer Group All Rights Reserved. 10705