

PROVEN IN THE FIELD. REFLECTED IN THE YIELD.

Stay true to your roots with SmartStax®
RIB Complete® corn blend



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

WHAT SETS SMARTSTAX® RIB COMPLETE® CORN BLEND 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 loss of yield potential and cost 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

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.

QUANTIFYING THE DAMAGE

Root damage is primarily caused by CRW larval feeding. Every root node nibbled by larvae results in a yield loss of approximately 15%.¹ In addition, root lodging can impede harvesting, further reducing grain yield by 15%-34%.²



DAMAGED ROOT
15%-34% Yield Loss
Root Damage by CRW



CORN ROOTWORM
(NORTHERN & WESTERN)



EUROPEAN CORN BORER



SOUTHWESTERN
CORN BORER



CORN EARWORM



FALL ARMYWORM



BLACK CUTWORM

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, Tolleson JJ, 1991. Yield response of corn subjected to western corn rootworm (Coleoptera:Chrysomelidae) infestation and lodging. J. con. Entomol. 84, 1585-1590.
3. Commodity Price \$3.25/ac, Source: Kynetec TraitTrak Data, 2016

See how our yield and profit potential stacks up against other trait options at Genuity.com/Compare

COMPARE YOUR CORN ROOTWORM PROTECTION OPTIONS



	Dual Modes-of-Action products for corn rootworm			Single Mode-of-Action products for corn rootworm	
CORN-GROWING AREA	SmartStax [®] RIB Complete [®] Corn Blend ¹	Qrome [®]	Optimum [®] AcreMax [®] XTreme [®]	VT Triple PRO [®] RIB Complete [®] Corn Blend ¹	Optimum [®] AcreMax [®] Xtra ¹
PRIMARY PESTS					
Corn Rootworm (Northern & Western)	**	**	**	*	*
European Corn Borer	***	**	**	**	**
Southwestern Corn Borer	***	**	**	**	**
Corn Earworm ^{2, 4}	**			**	
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	Roundup Ready [®] Corn 2/LibertyLink [®]
REFUGE (Corn-Growing Area)	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag	10% Refuge-in-a-Bag	10% Refuge-in-a-Bag
REFUGE EXAMPLE (Corn-Growing Area)					

Modes of action equal control of pest

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

¹SmartStax[®] RIB Complete[®], Qrome[®] and Optimum[®] AcreMax[®] XTreme[®] are corn seed blends of 95% *B.t.* seed and 5% non-*B.t.* seed.

²Pioneer claims suppression of corn earworm on the Optimum[®] AcreMax[®] XTreme[®] and Optimum[®] AcreMax[®] Xtra labels.

³Genuity[®] VT Triple PRO[®] RIB Complete[®] and Optimum[®] AcreMax[®] Xtra are corn seed blends of 90% *B.t.* seed and 10% non-*B.t.* seed

⁴Cry1A.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 stewardship 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 comply with the most recent stewardship 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 Crops. 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 and Design[®], RIB Complete[®], Roundup 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.

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