

# PROVEN IN THE FIELD. REFLECTED IN THE YIELD.

Stay true to your roots with SmartStax<sup>®</sup>  
RIB Complete<sup>®</sup> corn blend

**SmartStax<sup>®</sup>**  
RIB COMPLETE<sup>®</sup>

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<sup>®</sup> RIB Complete<sup>®</sup> 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<sup>®</sup> RIB COMPLETE<sup>®</sup> 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 **North American 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

## 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%.<sup>1</sup> In addition, root lodging can impede harvesting, further reducing grain yield by 15%-34%.<sup>2</sup>

HEALTHY ROOT



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



## 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



BLACK CUTWORM



CORN EARWORM



FALL ARMYWORM



<sup>1</sup> 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  
<sup>2</sup> Spike BP, Tollefson JJ, 1991. Yield response of corn subjected to western corn rootworm (Coleoptera:Chrysomelidae) infestation and lodging. J. con. Entomol. 84, 1585-1590.

Learn more at [Traits.bayer.ca](https://traits.bayer.ca)

# COMPARE YOUR CORN ROOTWORM PROTECTION OPTIONS



	PRIMARY PESTS	SmartStax <sup>1</sup> RIB COMPLETE <sup>1</sup>	Optimum <sup>®</sup> AcreMax <sup>®</sup> XTreme <sup>2</sup>	Agrisure <sup>®</sup> Viptera <sup>™</sup> 3111	Agrisure <sup>®</sup> Viptera <sup>™</sup> 3122 E-Z Refuge <sup>®</sup>
ABOVE GROUND	European Corn Borer (Ostrinia nubilalis)	***	**	*	**
	Corn Earworm <sup>2,3</sup> (Helicoverpa zea)	**		*	
	Fall Armyworm (Spodoptera frugiperda)	***	*	*	*
	Black Cutworm (Agrotis ipsilon)	*	*	*	*
BELOW GROUND	Northern Corn Rootworm (Diabrotica barberi)	**	**	*	**
	Western Corn Rootworm (Diabrotica virgifera)	**	**	*	**
HERBICIDE TOLERANCE		Roundup Ready <sup>®</sup> 2 Technology + LibertyLink <sup>®</sup>	Roundup Ready <sup>®</sup> Corn 2 + LibertyLink <sup>®</sup>	Glyphosate LibertyLink <sup>®</sup>	Glyphosate LibertyLink <sup>®</sup>
REFUGE		5% RIB COMPLETE	5% IN THE BAG	20%	5% IN THE BAG

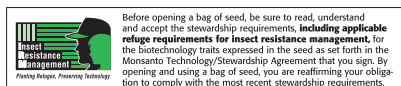
<sup>1</sup> SmartStax<sup>®</sup> RIB Complete<sup>®</sup> is a corn seed blend of 95% B.t. seed and 5% non-B.t. seed.

<sup>2</sup> Pioneer claims suppression of corn earworm on the Optimum<sup>®</sup> AcreMax<sup>®</sup> XTreme<sup>®</sup> label.

<sup>3</sup> Cry1A.105 and Cry2Ab2 from B.t. controls or suppresses corn earworm.

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

Learn more at [Traits.bayer.ca](https://traits.bayer.ca)



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.

Bayer is a member of Excellence Through Stewardship<sup>®</sup> (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products 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 these products. Excellence Through Stewardship<sup>®</sup> is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready<sup>®</sup> 2 Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Bayer, Bayer Cross, RIB Complete<sup>®</sup>, Roundup Ready<sup>®</sup> and SmartStax<sup>®</sup> are trademarks of Bayer Group. Used under license. LibertyLink<sup>®</sup> and the Water Droplet Design are trademarks of BASF. Used under license. Herculex<sup>®</sup> is a registered trademark of Dow AgroSciences LLC. Used under license. Agrisure Viptera<sup>®</sup> is a registered trademark of a Syngenta group company. Used under license. All other products mentioned are trademarks of their respective companies. ©2021 Bayer Group. All rights reserved.