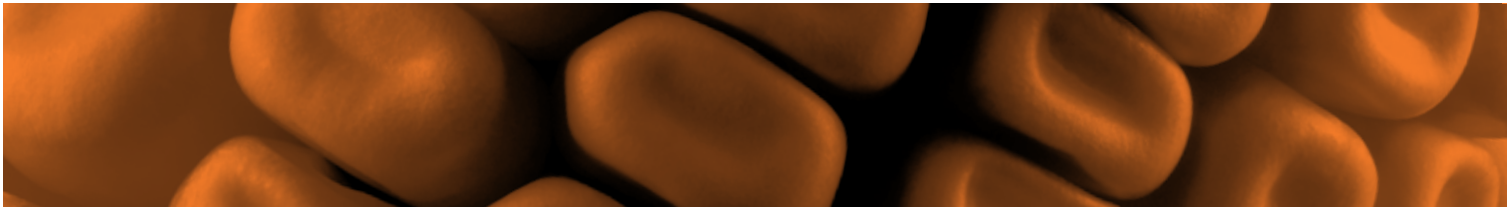
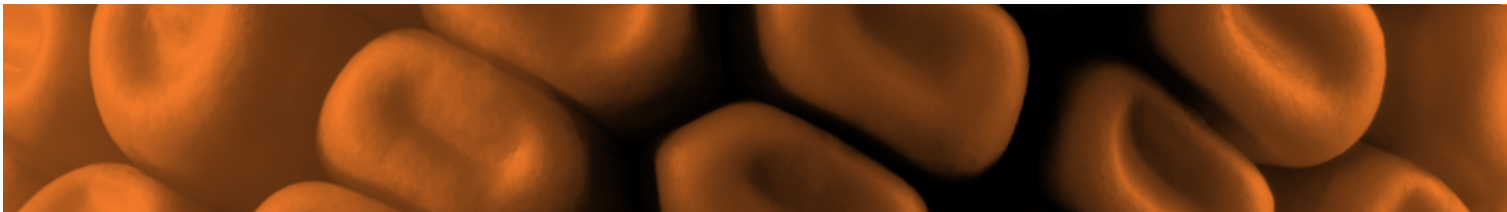


# Corn Traits



Genuity™ SmartStax™

# Introducing the Most Advanced, All-



## The Best Protection for High-Yielding Hybrids

- The industry's first reduced refuge system for both above AND below ground insect protection
- The absolute broadest spectrum insect control vs. any competitor in the market
- Contains Roundup Ready® 2 Technology and Liberty Link® herbicide tolerance for weed control
- New corn trait platform is achieved through best-in-class trait integration to ensure the highest level of success whole-farm

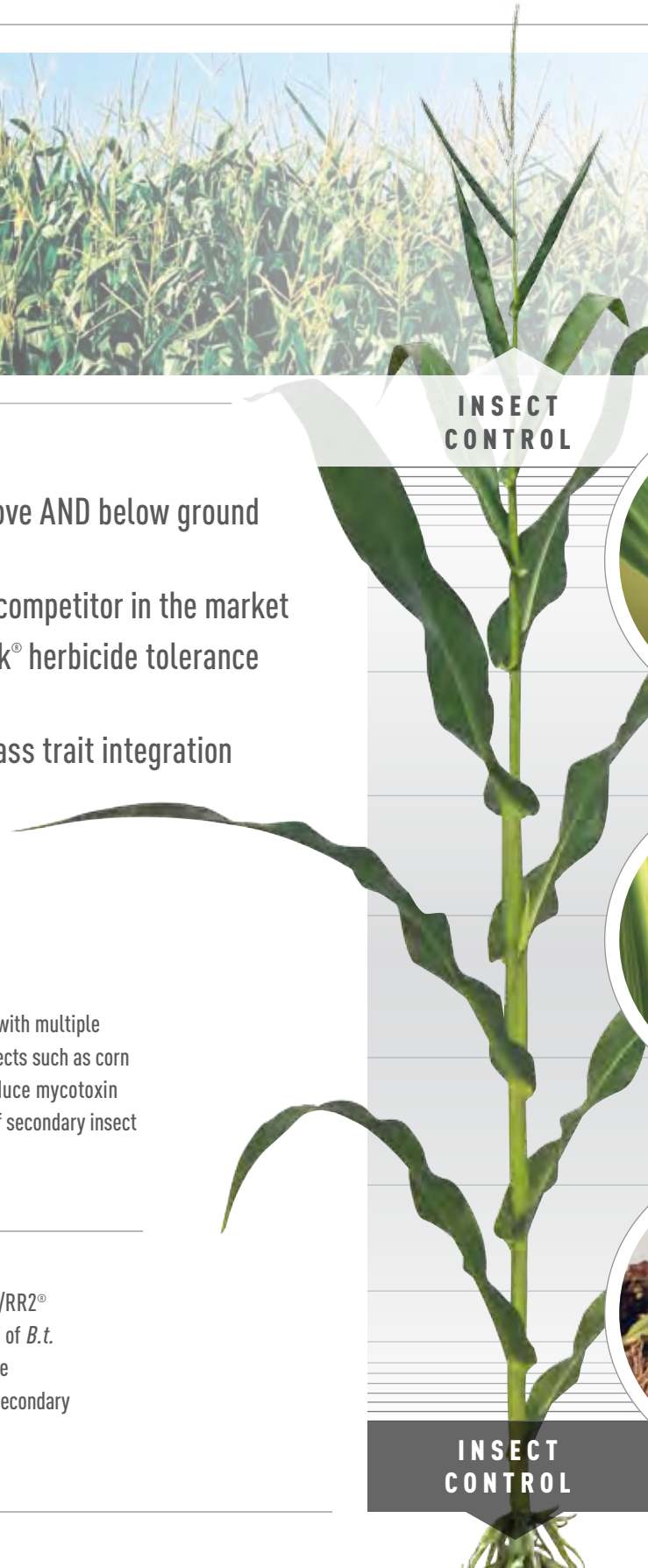
Above and Below Ground Insect Control  
to Dramatically Reduce the Need for Insecticides

**For above ground insects,** Genuity™ SmartStax™ controls pests by uniting *B.t.* proteins with multiple modes-of-action from Genuity™ VT Triple PRO™ and Herculex® I. It stops stalk-feeding insects such as corn borer and protects against ear-feeding insects. This protection has the potential to reduce mycotoxin contamination to improve grain quality. In addition, it offers broad-spectrum control of secondary insect pests, including western bean cutworm and black cutworm.

**Below ground,** Genuity™ SmartStax™ combines high-performing YieldGard VT Rootworm/RR2® protection with complementary Herculex Rootworm protection. This unique combination of *B.t.* technologies improves consistency in controlling the primary pest, corn rootworm. With the inclusion of a new proprietary seed treatment system, Acceleron™, protection against key secondary insect pests such as white grubs, wireworms and seed corn maggots, is also available.

INSECT  
CONTROL

INSECT  
CONTROL



# -In-One Corn Trait Technology, Ever

## Roundup Ready® and Liberty Link® Traits Together for Unprecedented Weed Management

In addition to above and below ground insect control traits, Genuity™ SmartStax™ will include the weed control standard-setting Roundup Ready 2 Technology System and the Liberty Link System.

## Genuity™ SmartStax™ Allows Farmers to Reduce Refuge Acres

The unique multiple modes-of-action in Genuity™ SmartStax™ are the only proven means to reduce structured refuge and maintain long-term durability of corn trait technologies. Genuity™ SmartStax™ is the first corn trait to be approved for both an above and below ground refuge down to 5 percent

in the corn belt. Genuity™ SmartStax™ is also approved for a 20 percent above and below ground refuge in the cotton belt. Refuge reduction will simplify management practices and increase whole farm yields by providing more trait-protected acres at harvest.

## Allowing Seed Companies to Bring New Germplasm to Market Faster

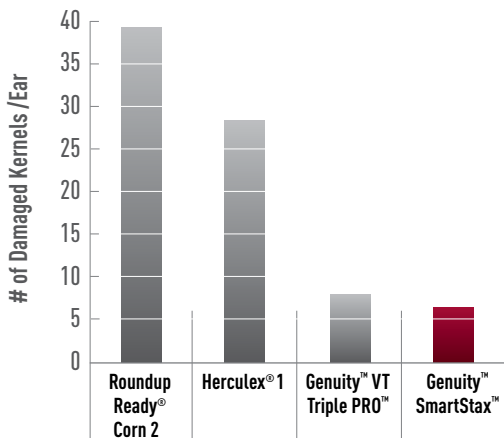
Genuity™ SmartStax™ is made using best-in-class trait integration that can bypass traditional, slower breeding processes. This will allow seed companies to bring new germplasm to market sooner. With all-in-one protection, seed companies will now be able to better evaluate a hybrid's true performance in the field.

### THE USE OF MULTIPLE MODES-OF-ACTION:

- Provides the most consistent insect protection
- Maintains long-term durability of trait technology

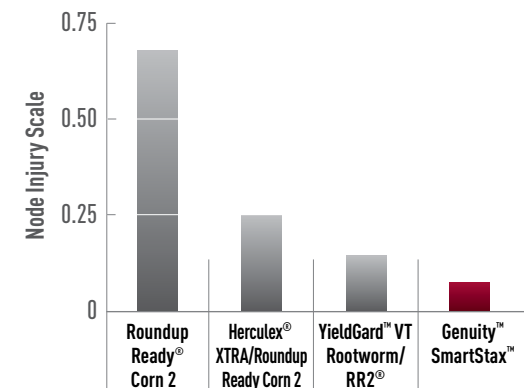


### Corn Earworm



8 Locations 2008



### Corn Rootworm



6 Locations 2007-2008



# Multiple Modes-of-Action

			Herculex <sup>®</sup> Xtra Insect Protection	Agrisure <sup>®</sup> 3000GT
<b>PRIMARY PESTS</b>				
European Corn Borer ( <i>Ostrinia nubilalis</i> )	***	**	*	*
Southwestern Corn Borer ( <i>Diatraea graandiosella</i> )	***	**	*	*
Northern Corn Rootworm ( <i>Diatraea barberi</i> )	**	*	*	*
Western Corn Rootworm ( <i>Diabrotica virgifera virgifera</i> )	**	*	*	*
Corn Earworm ( <i>Helicoverpa zea</i> )	**	**		
Fall Armyworm ( <i>Spodoptera frugiperda</i> )	***	**	*	
Western Bean Cutworm ( <i>Richia albicosta</i> )	*		*	
Black Cutworm ( <i>Agrotis ipsilon</i> )	*		*	
<b>Refuge (corn belt)</b>	<b>5%</b>	<b>20%</b>	<b>20%</b>	<b>20%</b>

\* Single-mode activity

\*\* Dual-mode activity


\*\*\* Triple-mode activity

MOA equals control of pest



Insect Protection: Seedcorn maggot, White grub, Wireworm, Corn leaf aphid, Grape colapsis and Southern corn leaf beetle

For more information, visit [genuity.com](http://genuity.com)



**Insect Resistance Management**  
*Planting Refuges, Preserving Technology*

Before opening a bag of seed, be sure to read and understand 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 Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.



**Monsanto Company is a member of Excellence Through Stewardship<sup>®</sup> (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<sup>®</sup> is a registered trademark of Biotechnology Industry Organization.

**IMPORTANT: Grain Marketing and Seed Availability: Genuity<sup>™</sup> VT Triple PRO<sup>™</sup>** has received the necessary approvals in the United States, however, as of **October 9, 2009**, approval has not been received in certain major corn export markets. Monsanto anticipates that all such approvals will be in place for the 2010 growing season. If all approvals are not in place, Genuity<sup>™</sup> VT Triple PRO<sup>™</sup> seed will only be available as part of a commercial demonstration program that includes grain marketing stewardship requirements. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Consult with your seed representative for current regulatory and stewardship information status.

**IMPORTANT: Grain Marketing and Seed Availability: Genuity<sup>™</sup> SmartStax<sup>™</sup>** has received the necessary approvals in the United States, however, as of **October 9, 2009**, approvals have not been received in certain major corn export markets. Genuity<sup>™</sup> SmartStax<sup>™</sup> will not be launched and seed will not be available until after import approvals are received in appropriate major corn export markets. **B.t. products, including Genuity<sup>™</sup> SmartStax<sup>™</sup>** may not yet be registered in all states. Check with your Monsanto representative for the registration status in your state.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready<sup>®</sup> crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup<sup>®</sup> brand agricultural herbicides. Roundup<sup>®</sup> brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Acceleron<sup>™</sup>, Acceleron and Design<sup>™</sup>, Farming Advanced<sup>™</sup>, Genuity<sup>™</sup>, Genuity and Design<sup>™</sup>, Genuity Icons, Roundup<sup>®</sup>, Roundup Ready<sup>®</sup>, Roundup Ready 2 Technology and Design<sup>™</sup>, SmartStax<sup>™</sup>, SmartStax and Design<sup>™</sup>, VT Triple PRO<sup>™</sup>, YieldGard<sup>™</sup> and YieldGard VT Rootworm/RR2<sup>™</sup> are trademarks of Monsanto Technology LLC. Ignite<sup>®</sup>, Liberty Link<sup>®</sup> and Liberty Link and the Water Droplet Design<sup>®</sup> are registered trademarks of Bayer. Herculex is a trademark of Dow AgroSciences LLC. Respect the Refuge<sup>®</sup> and Respect the Refuge and Corn Design<sup>®</sup> are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners. ©2009 Monsanto Company. [19224]gpl 7B-8R-09-3771

