







Above Ground Insect Protection Summary

| | Genuity® VT Double PRO® RIB Complete™ 2 | Pioneer® Optimum® AcreMax® | Syngenta® Agrisure Viptera™ 3110 |
|---|---|---|---|
| European corn borer | ** | ** | * |
| Southwestern corn borer | ** | ** | ** |
| Corn earworm¹ | ** | | * |
| Fall armyworm | ** | * | * |
| Western bean cutworm | | * | * |
| Black cutworm | | * | * |
| Herbicide Technology | Roundup Ready® 2 Technology | Roundup Ready® Corn 2 | Roundup Ready® LibertyLink® |
| Refuge in the Corn-Growing Area | 5% refuge in a bag | 5% refuge in a bag | 20% structured |
| Refuge Examples in the Corn-Growing Area |  |  |  |
| Refuge in the Cotton-Growing Area | 20% structured | 20% structured | 20% structured |

CORN INSECT PROTECTION Competitive Traits

2012

Trait Mode of Action (MOA) = Control of Pest * = single mode-activity ** = dual mode-activity *** = triple mode-activity ¹Pioneer claims control of corn earworm on the Optimum® AcreMax® 1 label, Monsanto data suggests suppression only. The Herculex® 1 label claims suppression only. ²Genuity® VT Double PRO® RIB Complete™ is a corn seed blend of 95% *Bt* seed and 5% non-*Bt* seed.

Below and Above Ground Insect Protection Summary

| | Genuity® SmartStax® RIB Complete™ 2 | Genuity® VT Triple PRO® | Pioneer® Optimum® AcreMax® 1 | Pioneer® Optimum® AcreMax® Xtra | Syngenta® Agrisure Viptera™ 3111 |
|--|--|-----------------------------|--|---------------------------------------|--|
| European corn borer | *** | ** | * | ** | * |
| Southwestern corn borer | *** | ** | * | ** | ** |
| Northern corn rootworm | ** | * | * | * | * |
| Western corn rootworm | ** | * | * | * | * |
| Corn earworm ¹ | ** | ** | | | * |
| Fall armyworm | *** | ** | * | * | * |
| Western bean cutworm | * | | * | * | * |
| Black cutworm | * | | * | * | * |
| Herbicide Technology | Roundup Ready® 2 Technology LibertyLink® | Roundup Ready® 2 Technology | Roundup Ready® Corn 2 LibertyLink® | Roundup Ready® Corn 2 | Roundup Ready® LibertyLink® |
| Refuge in the Corn-Growing Area | 5% refuge in a bag | 20% structured | 10% - below ³ refuge in a bag 20% - above structured | 10% refuge in a bag | 20% structured |
| Refuge Examples in the Corn-Growing Area | | | | | |
| Refuge in the Cotton-Growing Area | 20% structured | 20% structured | 50% structured | NA ⁴ | 20% structured |

Trait Mode of Action (MOA) = Control of Pest * = single mode-activity ** = dual mode-activity *** = triple mode-activity ¹Pioneer claims control of corn earworm on the Optimum® AcreMax® 1 label, Monsanto data suggests suppression only. The Herculex® 1 label claims suppression only. ² Genuity® SmartStax® RIB Complete™ is a corn seed blend of 95% *Bt* seed and 5% non-*Bt* seed. ³Refuge for Optimum® AcreMax® 1 is partially in the bag. ⁴Information not available.

For more information on
Genuity® Traits
contact your local representative.



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 Biotechnology Industry Organization.

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 does not require the planting of a structured refuge **except** in the Cotton-Growing Area where corn earworm is a significant pest. Genuity® SmartStax® RIB Complete™ and Genuity® VT Double PRO® RIB Complete™ corn are blended seed corn products. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity and Design®, Genuity Icons, Genuity®, RIB Complete and Design™, RIB Complete™, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, SmartStax and Design®, SmartStax®, VT Double PRO®, and VT Triple PRO® are trademarks of Monsanto Technology LLC. Ignite®, LibertyLink®, and LibertyLink® are registered trademarks of Monsanto Technology LLC. Herculex® is a registered trademark of Dow AgroSciences LLC. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners. ©2012 Monsanto Company. AMB011612



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.

