

REFUGE STRUCTURES



EVERY KERNEL COUNTS

Genuity® RIB Complete® Corn Blend Options

NAME	TECHNOLOGIES	DESCRIPTION	KEY POINTS	REFUGE IN THE CORN-GROWING AREA	REFUGE EXAMPLES
Genuity® SmartStax® RIB Complete® Corn Blend	Genuity® VT Triple PRO® technology + Herculex® XTRA + Roundup Ready® 2 Technology + LibertyLink® herbicide tolerant	Single-bag product with multiple modes of action for above ground insects, dual modes of action against corn rootworm and broad spectrum weed control	<ul style="list-style-type: none"> Two ways to control corn rootworm and corn earworm Full-season control with YieldGard® and Herculex XTRA for your high corn rootworm pressure fields Blend of 95% traited, 5% refuge seed means no separate, structured refuge required The truly simple refuge-in-a-bag solution; just fill your planter and go. 	5% refuge-in-a-bag	
Genuity VT Double PRO® RIB Complete® Corn Blend	Genuity® VT Double PRO® technology + Roundup Ready® 2 Technology	Single-bag product with two modes of action for above ground insects and maximum protection against corn earworm	<ul style="list-style-type: none"> Two ways to control corn earworm Blend of 95% traited, 5% refuge seed means no separate, structured refuge required The truly simple refuge-in-a-bag solution; just fill your planter and go. 	5% refuge-in-a-bag	


Optimum® AcreMax® Options

NAME	TECHNOLOGIES	DESCRIPTION	KEY POINTS	REFUGE IN THE CORN-GROWING AREA	REFUGE EXAMPLES
Optimum® AcreMax® 1	Herculex XTRA + Herculex 1	Integrated rootworm blend	<ul style="list-style-type: none"> 90/10 blend of <i>B.t.</i> seed for corn rootworm only Two-bag system Requires 20% separate, structured refuge Single mode of action for corn rootworm 	10% integrated rootworm refuge; 20% corn borer refuge required within 1/2 mile	
Optimum AcreMax Xtra	Herculex XTRA and YieldGard® Corn Borer + herbicide-tolerant refuge	Single-bag product with integrated corn borer and corn rootworm refuge	<ul style="list-style-type: none"> 90/10 blend of <i>B.t.</i> and non-<i>B.t.</i> seed No LibertyLink herbicide tolerance No corn earworm control Single mode of action for corn rootworm 	10% integrated refuge; no separate refuge required	
Optimum AcreMax XTreme	Herculex XTRA + YieldGard Corn Borer + AgriSure® RW	Single-bag product to control above and below ground insects	<ul style="list-style-type: none"> 95/5 percent blend of <i>B.t.</i> and non-<i>B.t.</i> seed Single bag system Above and below ground insect protection No corn earworm control 	5% Refuge-in-a-bag blend, no separate refuge required	
Optimum AcreMax	YieldGard Corn Borer and Herculex 1 + herbicide-tolerant refuge	Single-bag product with integrated corn borer refuge	<ul style="list-style-type: none"> 95/5 blend of <i>B.t.</i> and non-<i>B.t.</i> seed Above ground insect protection No LibertyLink herbicide tolerance No corn rootworm control No corn earworm control 	5% integrated refuge above only; no separate refuge required	

Products and information reference the Corn-Growing Area

Optimum® AcreMax® 1

100-Acre Example

NAME	ACRES	TRAIT	PERCENT	ACRES	BELOW GROUND TECHNOLOGY ACRES	ABOVE GROUND TECHNOLOGY ACRES
Optimum® AcreMax® 1	80	Herculex® XTRA	90%	72	72	72
		Herculex 1	10%	8	0	8
	20	Roundup Ready® Corn 2	100%	20	0	0
Acres Unprotected					28	20
Total Acres				100	100	100



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.



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.

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®, VT Double PRO®, VT Triple PRO®, and YieldGard® are trademarks of Monsanto Technology LLC. LibertyLink® and the Water Droplet Design® is a registered trademark of Bayer. 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. ©2014 Monsanto Company. 32306 3J8L149959

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