
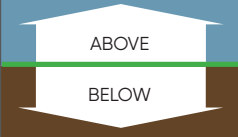

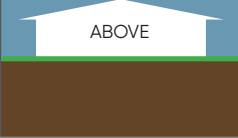

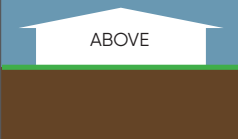

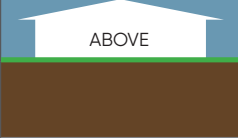

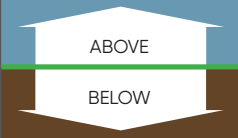


# WHAT'S IN THE BAG?

PRODUCT NAME	INSECT PROTECTION	INTEGRATED COMPONENTS	REFUGE REQUIREMENTS
		<b>INTEGRATED</b> ● 90% (HXX, LL, RR2) ● 10% (HX1, LL, RR2)	Integrated rootworm refuge requires additional 20% corn borer structured refuge. Additional 50% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 95% (YGCB, HX1, LL, RR2) ● 5% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 95% (AVBL, YGCB, HX1, LL, RR2) ● 5% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 90% (RW, YGCB, HX1, LL, RR2) ● 10% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 90% (YGCB, HXX, LL, RR2) ● 10% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 95% (RW, YGCB, HXX, LL, RR2) ● 5% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 95% (RW, YGCB, HXX, LL, RR2) ● 5% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 95% (VT2, HX1, RR2) ● 5% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.
		<b>INTEGRATED</b> ● 95% (VT2, HX1, VT3, HXRW, RR2) ● 5% (LL, RR2)	Additional 20% corn borer refuge is required in EPA-designated cotton counties.

INTEGRATED REFUGE SOLUTIONS

	PRODUCT NAME	INSECT PROTECTION	INTEGRATED COMPONENTS	REFUGE REQUIREMENTS
STRUCTURED REFUGE SOLUTIONS			<b>STRUCTURED</b> ● 100% (RW, HX1, LL, RR2)	Structured refuge, 20% Corn Belt, 50% corn borer in EPA-designated cotton counties.
			<b>STRUCTURED</b> ● 100% (YGCB, HX1, LL, RR2)	Structured refuge, 5% Corn Belt, 20% in EPA-designated cotton counties.
			<b>STRUCTURED</b> ● 100% (AVBL, YGCB, HX1, LL, RR2)	Structured refuge, 5% Corn Belt, 20% in EPA-designated cotton counties.
			<b>STRUCTURED</b> ● 100% (VT2, HX1, RR2)	Structured refuge, 5% Corn Belt, 20% in EPA-designated cotton counties.
			<b>STRUCTURED</b> ● 100% (VT2, HX1, VT3, HXRW, RR2)	Structured refuge, 5% Corn Belt, 20% in EPA-designated cotton counties.



To protect the usefulness and availability of these technologies for the future, growers must implement an Insect Resistance Management (IRM) program as specified in product use guides.

For detailed IRM requirements for products with in-plant insect resistance, refer to the appropriate product use guide, available from your sales professional.



AM1 - Optimum® AcreMax® 1 Insect Protection System with an integrated corn rootworm refuge solution includes HXX, LL, RR2. Optimum AcreMax 1 products contain the LibertyLink® gene and can be sprayed with Liberty® herbicide. The required corn borer refuge can be planted up to half a mile away. AM - Optimum® AcreMax® Insect Protection system with YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax products. AML - Optimum® AcreMax® Leptra® products with AVBL, YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax Leptra products. AMT - Optimum® AcreMax® TRIsect® Insect Protection System with RW, YGCB, HX1, LL, RR2. Contains a single-bag refuge solution for above and below ground insects. The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene, and the Herculex® I genes. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax TRIsect products. AMX - Optimum® AcreMax® Xtra Insect Protection system with YGCB, HXX, LL, RR2. Contains a single-bag integrated refuge solution for above- and below-ground insects. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax Xtra products. AMXT (Optimum® AcreMax® XTreme) - Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene, and the Herculex® XTRA genes. Contains a 20% separate corn borer refuge must be planted with Optimum AcreMax XTreme products. Q (Grome®) - The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene, and the Herculex® XTRA genes. Contains a single-bag integrated refuge solution for above- and below-ground insects. Grome products are approved for cultivation in the U.S. and Canada and have also received import approval in a number of importing countries. DuPont Pioneer continues to pursue additional import approvals for Grome products, including in China, in accordance with Excellence Through Stewardship Product Launch Guidance. RW, HX1, LL, RR2 (Optimum® TRIsect®) - Contains the Herculex I gene for above-ground pests and the Agrisure® RW trait for resistance to corn rootworm. YGCB, HX1, LL, RR2 (Optimum® Intrasect®) - Contains the YieldGard® Corn Borer gene and Herculex® I gene for resistance to corn borer. AVBL, YGCB, HX1, LL, RR2 (Optimum® Leptra®) - Contains the Agrisure Viptera® trait, the YieldGard Corn Borer gene, the Herculex® I gene, the LibertyLink® gene, and the Roundup Ready® Corn 2 trait. HX1 - Contains the Herculex® I Insect Protection gene which provides protection against European corn borer, southwestern corn borer, black cutworm, fall armyworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer, and suppresses corn earworm. HXRW - The Herculex® RW insect protection trait contains proteins that provide enhanced resistance against western corn rootworm, northern corn rootworm and Mexican corn rootworm. HXX - Herculex® XTRA contains the Herculex I and Herculex RW genes. YGCB - The YieldGard® Corn Borer gene offers a high level of resistance to European corn borer, southwestern corn borer and southern cornstalk borer; moderate resistance to corn earworm and common stalk borer; and above average resistance to fall armyworm. LL - Contains the LibertyLink® gene for resistance to Liberty® herbicide. RR2 - Contains the Roundup Ready® Corn 2 trait that provides crop safety for over-the-top applications of labeled glyphosate herbicides when applied according to label directions. Herculex® Insect Protection technology by Dow AgroSciences and Pioneer Hi-Bred. Herculex® and the HX logo are registered trademarks of Dow AgroSciences LLC. PowerCore® multi-event technology developed by Dow AgroSciences and Monsanto. ®, \* PowerCore and the PowerCore Logo are trademarks of Monsanto Technology LLC. The YieldGard® multi-event technology developed by Dow AgroSciences and Monsanto. \*SmartStax and the SmartStax Logo are registered trademarks of Monsanto Technology LLC. VT Double PRO®, VT Triple PRO® YieldGard®, the YieldGard Corn Borer Design and Roundup Ready® are registered trademarks used under license from Monsanto Company. Liberty®, LibertyLink® and the Water Droplet Design are trademarks of Bayer. 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