

Bt Trait Table

Current as of October 2011	Bt protein(s)	Insects controlled (bold) or suppressed (<i>italics</i>) -Above-ground ----- in soil	Herbicide tolerance	Refuge %, location
Agrisure products				
Agrisure CB/LL	Cry1Ab	ECB <i>CEW FAW SB</i>	--	LL 20% - ½ mile
Agrisure GT/CB/LL	Cry1Ab	ECB <i>CEW FAW SB</i>	--	GT LL 20% - ½ mile
Agrisure RW	mCry3A	--	CRW	-- 20% - adjacent
Agrisure GT/RW	mCry3A	--	CRW	GT 20% - adjacent
Agrisure CB/LL/RW	Cry1Ab mCry3A	ECB <i>CEW FAW SB</i>	CRW	LL 20% - adjacent
Agrisure 3000GT	Cry1Ab mCry3A	ECB <i>CEW FAW SB</i>	CRW	GT LL 20% - adjacent
Agrisure Viptera 3110	Cry1Ab Vip3A	BCW CEW ECB FAW WBC SB	--	GT LL 20% - ½ mile
Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	BCW CEW ECB FAW WBC SB	CRW	GT LL 20% - adjacent
Agrisure 3122 Refuge Renew	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW WBC <i>CEW SB</i>	CRW	GT LL 5% - adjacent
Agrisure Viptera 3220	Cry1Ab Cry1F Vip3A	BCW CEW ECB FAW WBC SB	--	GT LL 5% - ½ mile
Herculex products				
Herculex 1 (HX1)	Cry1F	BCW ECB FAW WBC <i>CEW</i>	--	LL RR2 (some) 20% - ½ mile
Herculex RW (HXRW)	Cry34/35Ab1	--	CRW	RR2 20% - adjacent
Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB FAW WBC <i>CEW</i>	CRW	LL RR2 (some) 20% - adjacent
Optimum products				
Optimum AcreMax	Cry1F Cry1Ab	BCW ECB FAW WBC <i>CEW SB</i>	--	RR2 5% <i>in the bag</i>
Optimum AcreMax1 (AM1)	Cry1F Cry34/35Ab1	BCW ECB FAW WBC <i>CEW</i>	CRW	LL RR2 10% <i>in the bag</i> (CRW) & 20% - ½ mile (ECB)
Optimum AcreMaxRW	Cry34/35Ab1	---	CRW	RR2 10% <i>in the bag</i>
Optimum AcreMax XTRA	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC <i>CEW SB</i>	CRW	RR2 10% <i>in the bag</i>
Optimum Intrasect	Cry1F Cry1Ab	BCW ECB FAW WBC <i>CEW SB</i>	--	LL RR2 5% - ½ mile
YieldGard products				
YGCB	Cry1Ab	ECB <i>CEW FAW SB</i>	--	RR2 (some) 20% - ½ mile
YGRW	Cry3Bb1	--	CRW	RR2 (some) 20% - adjacent
YieldGard Plus	Cry1Ab Cry3Bb1	ECB <i>CEW FAW SB</i>	CRW	RR2 (some) 20% - adjacent
YieldGard VTRW	Cry3Bb1	--	CRW	RR2 20% - adjacent
YieldGard VT Triple	Cry1Ab Cry3Bb1	ECB <i>CEW FAW SB</i>	CRW	RR2 20% - adjacent
Genuity/SmartStax products				
Genuity VT Double Pro (VT2P)	Cry1A.105 Cry2Ab2	CEW ECB FAW	--	RR2 5% - ½ mile
Genuity VT Triple Pro (VT3P)	Cry1A.105 Cry2Ab2 Cry3Bb1	CEW ECB FAW	CRW	RR2 20% - adjacent
SmartStax (Dow) or Genuity SmartStax (Monsanto) (GENSS)	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW CEW ECB FAW WBC	CRW	LL RR2 5% - adjacent
Genuity SmartStax RIB Complete (Mon)	Same as GENSS	Same as GENSS		LL RR2 5% <i>in the bag</i>
REFUGE ADVANCED Powered by SmartStax (Dow)	Same as GENSS	Same as GENSS		LL RR2 5% <i>in the bag</i> (structured 5% refuge option also available)

Source: Chris DiFonzo, Michigan State University
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ECB – European Corn Borer
CEW – Corn Ear Worm
FAW – Fall Army Worm
SB – Stalk Borer
WBC – Western Bean Cutworm
CRW – Corn Root Worm
BCW – Black Cutworm
LL – Liberty Link Tolerant
GT – Glyphosate Tolerant
RR2 – Glyphosate Tolerant