

Handy Bt trait table Updated April 2013	<b>VOID</b> Bt protein (s)	Insects controlled (bold) or suppressed ( <i>italics</i> ) Above-ground-----In soil	Herbicide tolerant?	Refuge %, location in the MIDWEST	
<b>Agrisure Trait Family</b>					
Agrisure CB/LL	Cry1Ab	<b>ECB CEW FAW SB</b>	---	LL	20% within ½ mile
Agrisure GT/CB/LL	Cry1Ab	<b>ECB CEW FAW SB</b>	---	GT LL	20% within ½ mile
Agrisure RW	mCry3A	---	<b>CRW</b>	---	20% in field/adjacent
Agrisure GT/RW	mCry3A	---	<b>CRW</b>	GT	20% in field/adjacent
Agrisure CB/LL/RW	Cry1Ab mCry3A	<b>ECB CEW FAW SB</b>	<b>CRW</b>	LL	20% in field/adjacent
Agrisure 3000GT	Cry1Ab mCry3A	<b>ECB CEW FAW SB</b>	<b>CRW</b>	GT LL	20% in field/adjacent
Agrisure Artesian 4011	Cry1Ab mCry3A	<b>ECB CEW FAW SB</b>	<b>CRW</b>	GT LL	20% in field/adjacent
Agrisure Viptera 3110	Cry1Ab Vip3A	<b>BCW CEW ECB FAW WBC SB</b>	---	GT LL	20% within ½ mile
Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	<b>BCW CEW ECB FAW WBC SB</b>	<b>CRW</b>	GT LL	20% in field/adjacent
Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	<b>BCW ECB FAW WBC CEW SB</b>	<b>CRW</b>	GT	5% <i>in the bag</i>
Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	<b>BCW CEW ECB FAW WBC SB</b>	---	GT	5% <i>in the bag</i>
Agrisure Duracade 5122	Cry1Ab Cry1F mCry3A eCry3.1Ab	<b>BCW CEW ECB FAW WBC SB</b>	<b>CRW</b>	GT LL	Approved for planting in 2014
Agrisure Duracade 5222	Cry1Ab Cry1F Vip3A mCry3A eCry3.1Ab	<b>BCW CEW ECB FAW WBC SB</b>	<b>CRW</b>	GT LL	Approved for planting in 2014
<b>Herculex Trait Family</b>					
Herculex 1 (HX1)	Cry1F	<b>BCW ECB FAW WBC CEW SB</b>	---	LL RR2 (most)	20% within ½ mile
Herculex RW (HXRW)	Cry34/35Ab1	---	<b>CRW</b>		20% in field/adjacent
Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	<b>BCW ECB FAW WBC CEW SB</b>	<b>CRW</b>		20% in field/adjacent
<b>Optimum Trait Family</b>					
Optimum TR1sect	Cry1F mCry3A	<b>BCW ECB FAW WBC CEW SB</b>	<b>CRW</b>	LL RR2	20% in field/adjacent
Optimum Intrasect	Cry1F Cry1Ab	<b>BCW ECB FAW WBC CEW SB</b>	---	LL RR2	5% within ½ mile
Optimum Intrasect XTra	Cry1F Cry1Ab Cry34/35Ab1	<b>BCW ECB FAW WBC CEW SB</b>	<b>CRW</b>	LL RR2	20% in field/adjacent
Optimum Intrasect XTreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	<b>BCW ECB FAW WBC CEW SB</b>	<b>CRW</b>	LL RR2	5% in field/adjacent
Optimum (AM) AcreMax	Cry1F Cry1Ab	<b>BCW ECB FAW WBC CEW SB</b>	---	RR2	5% <i>in the bag</i>
Optimum (AMRW) AcreMax Rootworm	Cry34/35Ab1	---	<b>CRW</b>	RR2	10% <i>in the bag</i>
Optimum (AM1) AcreMax1	Cry1F Cry34/35Ab1	<b>BCW ECB FAW WBC CEW</b>	<b>CRW</b>	LL RR2	10% <i>in the bag (CRW)</i> & 20% - ½ mile (ECB)
Optimum (AMX) AcreMax Xtra	Cry1F Cry1Ab Cry34/35Ab1	<b>BCW ECB FAW WBC CEW SB</b>	<b>CRW</b>	RR2	10% <i>in the bag</i>
Optimum (AMXT) AcreMax XTreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	<b>BCW ECB FAW WBC CEW SB</b>	<b>CRW</b>	RR2	5% <i>in the bag</i>
<b>YieldGard / Genuity Trait Family</b>					
YieldGard VT Triple	Cry1Ab Cry3Bb1	<b>ECB CEW FAW SB</b>	<b>CRW</b>	RR2	20% in field/adjacent
Genuity VT Double PRO RIB Complete	Cry1A.105 Cry2Ab2	<b>CEW ECB FAW</b>	---	RR2	5% <i>in the bag</i>
Genuity VT Triple PRO RIB Complete	Cry1A.105 Cry2Ab2 Cry3Bb1	<b>CEW ECB FAW</b>	<b>CRW</b>	RR2	10% <i>in the bag</i>
Genuity SmartStax RIB Complete	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	<b>BCW CEW ECB FAW SB WBC</b>	<b>CRW</b>	LL RR2	5% <i>in the bag</i>
<b>Refuge Advanced Trait Family</b>					
REFUGE ADVANCED Powered by SmartStax	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	<b>BCW CEW ECB FAW SB WBC</b>	<b>CRW</b>	LL RR2	5% <i>in the bag</i>