

2012 Corn Trait Selection:

Which Insect Traits Do You Need?

Richard Proost, UW Nutrient and Pest Management Program agronomist and Joe Bollman, former Columbia County UWEX agent

The number of traits stacked into individual transgenic corn hybrids is increasing every year. With the increasing complexity comes the risk of ordering unnecessary traits. Planting the right “stack” for a particular farm with the correct insect control package is challenging.

The table summarizes the current available insect packages in increasing order of “stacked” traits. *This table only considers control of individual insect pests, not suppression.*

- Refer to seed tag for insect refuge requirements, location or herbicide tolerance.
- Read and follow the seed tag and user agreements for insect resistance management (IRM).
- Rotate Bt proteins for resistance management.



University of Wisconsin-Extension, College of Agricultural and Life Sciences. An equal opportunity action employer, University of Wisconsin-Extension provides equal opportunities in employment and programming, including Title IX requirements.



For copies, please visit our website: ipcm.wisc.edu

I-01-2012

Trait Name	Insect Controlled						
Agrisure CB/LL Agrisure GT/CB/LL Yieldgard CB (YGCB)	European Corn Borer						
Agrisure RW Agrisure GT/RW Herculex RW Optimum AcreMax RW Yieldgard RW (YGRW) Yieldgard VT Rootworm	Corn Rootworm						
Agrisure CB/LL/RW Agrisure 300GT YieldGard Plus YieldGard VT Triple (VT3)	Corn Rootworm	European Corn Borer					
Genuity VT Double Pro Genuity VT Double Pro RIB Complete	Fall Armyworm	Corn Earworm	European Corn Borer				
Genuity VT Triple Pro	Corn Earworm	Fall Armyworm	Corn Rootworm	European Corn Borer			
Herculex I Optimum AcreMax Optimum Intrasect	Western Bean Cutworm	Fall Armyworm	Black Cutworm	European Corn Borer			
Agrisure Viptera 3110 Agrisure Viptera 3220	Stalk Borer	Corn Earworm	Western Bean Cutworm	Fall Armyworm	Black Cutworm	European Corn Borer	
Herculex Xtra Optimum AcreMax 1 Optimum AcreMax XTRA Agrisure 3122 Refuge Renew	Black Cutworm	Western Bean Cutworm	Fall Armyworm	Corn Rootworm	European Corn Borer		
SmartStax (Dow) Genuity SmartStax (Monsanto) Genuity SmartStax RIB Complete Refuge Advanced Powered by SmartStax	Corn Earworm	Black Cutworm	Western Bean Cutworm	Fall Armyworm	Corn Rootworm	European Corn Borer	
Agrisure Viptera 3111	Stalk Borer	Corn Earworm	Black Cutworm	Western Bean Cutworm	Fall Armyworm	Corn Rootworm	European Corn Borer