



The most effective above-ground insect control in the industry

Viptera™ trait stacks protect yield potential while helping deliver cleaner ears for increased grain quality.

Controlling ear-, stalk- and leaf-feeding insects offers every seed the chance to mature and reach its full genetic yield potential.



No other trait in the industry provides more complete control of above-ground insect pests

Viptera's industry-leading control provides:

- Potential for improved stand and higher-yielding crop
- Noticeably healthier ears with less insect damage
- Reduced risk of mold and mycotoxin development provides high-quality grain and livestock feed

Viptera delivers more control of more insect pests:

Insect	Viptera trait stacks*	Agrisure® Above	Optimum® AcreMax®	VT Double PRO® RIB Complete®	PowerCore®
Corn earworm	++++	++	++	+++	+++
Black cutworm	++++	+++	+++	+	+++
Fall armyworm	++++	+	+	+++	+++
Western bean cutworm	++++	+	+	+	+
Dingy cutworm	++++				
Common stalk borer	+++	+	+	+	+
Lesser cornstalk borer	++++	+++	+++	+++	++++
Southern cornstalk borer	++++	+++	+++	+++	++++
True armyworm	++++				
Beet armyworm	++++	+++	+++	+++	+++
Sugarcane borer	++++	++++	+++	+++	+++
European corn borer	++++	++++	++++	++++	++++
Southwestern corn borer	++++	++++	++++	++++	++++

Insect control scale:

blank = unavailable; + = some; ++ = good; +++ = very good; ++++ = excellent

*Viptera™, Viptera™Z3, Agrisure® Viptera 3110, to add corn rootworm control consider DuracadeViptera, DuracadeVipteraZ3, Agrisure® Viptera 3111

All competitor information is based solely upon interpretation of publicly available information including public presentations, regulatory submissions and observations made in commercial fields.

Viptera trait stacks provide better, more complete control of ear feeding insects

- Viptera is the only trait technology available today that effectively controls western bean cutworm
- Corn earworm can have multiple generations each season and is one of the most destructive pests in the United States
- Viptera control of corn earworm provides a 7.3 bu/A advantage*
- Preventing insect damage to kernels reduces access points for mold and mycotoxin growth that can cause additional damage or grain quality problems

*71 Regulated Syngenta trials 2008-2010

Insect Ear Damage

LSD (0.05) = 4.47



Study results from Syngenta field trials in 33 locations with natural pest pressure 2007-09



Western bean cutworm-damaged hybrid without Viptera (left) vs. hybrid with Viptera (right)

Atkinson, NE, 2017



Corn earworm-damaged hybrid without Viptera (left) vs. hybrid with Viptera (right)

Columbia, MO, 2015

Trait stacks with above-ground insect control:



Trait stacks are available in a simple E-Z Refuge® seed blend, offering a convenient in-bag refuge, and many in combination with water-optimizing Artesian™ corn hybrids, to provide growers a practical option to meet water challenges.

Talk to your seed reseller about the right above-ground traits for your fields.

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