



Industry-leading above- and below-ground insect control to #defendyourields

Insect management is key to a successful season, but insects are unpredictable. Above- and below-ground pests can be tough to scout, and rescue insecticide treatments can be difficult to time accurately for effective control. The best way to control these pests is by planting a corn hybrid with the right trait stack. You can save time, money and resources on scouting and treating fields and gain peace of mind knowing your genetic investment is well protected.

The Agrisure® traits portfolio features multiple trait stacks that control up to 16 above- and below-ground insects. Control of these damaging pests provides:

- ▶ **Above-ground:** less damage from ear-, stalk- and leaf-feeding insects resulting in:
 - ▶ Less stand loss
 - ▶ Noticeably healthier ears with less insect damage
 - ▶ Reduced risk of mold and mycotoxin development for high-quality grain
- ▶ **Below-ground:** stronger, more robust root systems that lead to:
 - ▶ Healthier plants
 - ▶ Fuller leaves that allow for increased photosynthesis and maximum grain fill
 - ▶ More robust stalks that stand tall

Agrisure trait stacks defend against:

- ▶ Corn earworm
- ▶ Western bean cutworm
- ▶ Black cutworm
- ▶ Dingy cutworm
- ▶ Fall armyworm
- ▶ True armyworm
- ▶ Beet armyworm
- ▶ Sugarcane borer
- ▶ European corn borer
- ▶ Southwestern corn borer
- ▶ Common stalk borer
- ▶ Southern cornstalk borer
- ▶ Lesser cornstalk borer
- ▶ Western corn rootworm
- ▶ Northern corn rootworm
- ▶ Mexican corn rootworm

Trait stacks with above- and below-ground insect control:

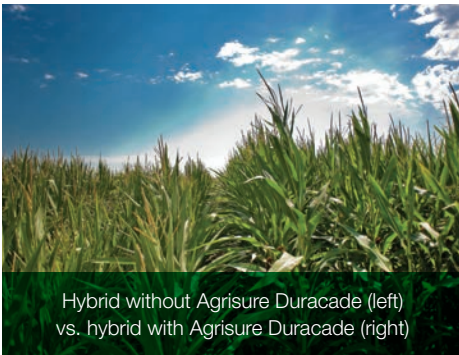


Many trait stacks are available in a simple E-Z Refuge® seed blend, offering a convenient in-bag refuge, and in combination with water optimizing Agrisure Artesian® corn hybrids, noted by an 'A' at the end of the trait stack name, to provide growers a practical option to meet water challenges.



The ultimate trait stack for insect control, simplicity and choice

Only the Agrisure traits portfolio can offer industry-leading above-and below-ground control by combining the Agrisure Viptera® trait with the Agrisure Duracade® trait via the Agrisure Duracade 5222 E-Z Refuge trait stack to control up to 16 above- and below-ground insects.



Hybrid without Agrisure Duracade (left) vs. hybrid with Agrisure Duracade (right)

Klemme, IA, 2012



Hybrid without Agrisure Duracade (left) vs. hybrid with Agrisure Duracade (right)

Holyoke, CO, 2013



No other trait offers more complete above-ground control

The Agrisure Viptera trait offers industry-leading above-ground insect control and is the only trait available today that effectively controls western bean cutworm. By controlling major ear-, stalk- and leaf-feeding corn insects like corn earworm and western bean cutworm, Agrisure Viptera also helps reduce the risk of mold and mycotoxin development.



A different kind of corn rootworm control

The Agrisure Duracade trait features a unique mode of action that controls corn rootworm differently than other traits on the market. Agrisure Duracade expresses a protein that binds differently in the gut of corn rootworm and is always stacked with a second, proven mode of action against corn rootworm.

Agrisure traits deliver better control on more insect pests

Insect	Agrisure Duracade 5222 E-Z Refuge	Optimum® AcreMax® Xtreme	Genuity® SmartStax® RIB Complete®
Corn earworm	++++	++	+++
Black cutworm	++++	+++	+++
Fall armyworm	++++	+	+++
Western bean cutworm	++++	+	+
Dingy cutworm	++++		
Common stalk borer	+++	+	+
True armyworm	++++		
Sugarcane borer	++++	++++	++++
Beet armyworm	++++	+++	+++
European corn borer	++++	++++	++++
Southwestern corn borer	++++	++++	++++
Western corn rootworm, Northern corn rootworm, Mexican corn rootworm	+++	+++	+++

Insect control scale: blank = unavailable; - = no effect; + = some; ++ = good; +++ = very good; ++++ = excellent

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

Join the conversation online and share the Agrisure story — tell us how Agrisure trait stacks help **#defendyourields** on social media.



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