

# Agrisure Duracade trait stacks:

The ultimate option for insect control, simplicity and choice.

Agrisure Duracade® is the newest corn rootworm trait with a unique mode of action. For 2019, Agrisure Duracade will be available in two trait stacks, each with dual modes of corn rootworm control and integrated E-Z Refuge® in a bag.



## The most advanced trait stack on the market.

- Offers premium above- and below-ground insect control
- Delivers control of 16 damaging insects<sup>2</sup> – including corn rootworm
- Features the market-leading Agrisure Viptera® trait – the only trait currently available that effectively controls western bean cutworm
- Always provides a five percent integrated E-Z Refuge

## Effective, season-long control.

- Protects the crop against above- and below-ground insects
- Combines two modes of action for control of corn rootworm and corn borer
- Always provides a five percent integrated E-Z Refuge

### Corn rootworm control

Agrisure Duracade expresses a protein with a unique binding site in the gut of the corn rootworm, helping hybrids develop a stronger, more robust root system that supplies your plants with optimal water and nutrient uptake. Stronger roots lead to healthier plants that stand all season long, helping to realize the crop's genetic yield potential and increase profit potential.

Research from the United States Department of Agriculture shows Agrisure Duracade delivers a 99.79 percent reduction in adult beetle emergence – higher than any current corn rootworm product on the market.<sup>3</sup>



Photos taken in Ridgeway, Ont., on July 28, 2017.



For more information, visit [Syngenta.ca](http://Syngenta.ca), contact our Customer Interaction Centre at 1-877-SYNGENTA (1-877-964-3682), or follow @syngentacanada on Twitter.

**Always read and follow label directions.** Duracade®, E-Z Refuge®, Viptera®, the Alliance Frame and the Syngenta logo are registered trademarks of a Syngenta Group Company. Other trademarks are the property of their respective owners. © 2018 Syngenta.

**The most comprehensive above-ground insect control in the industry.**

- Agrisure Viptera is the only trait currently available that effectively controls western bean cutworm
- Protects against 11 key above-ground pests
- Integrates a five percent E-Z Refuge

**Support for long-term control practices**

Effective and sustainable insect pest management requires an individualized field strategy and the judicious use of multiple control measures – not a single technology. Long-term corn rootworm management requires a multi-year, whole-farm approach, and Agrisure Duracade trait stacks are a key component in an effective corn rootworm management program.

**Western bean cutworm**

Agrisure Viptera delivers the most comprehensive western bean cutworm control in the industry. Western bean cutworm is native to North America and has progressively spread through the Corn Belt. Masses of up to 200 eggs are laid in the plant leaves, so populations can grow quickly.

Agrisure Viptera relies on a unique vegetative insecticidal protein (VIP) that binds to a receptor site in the lining of the western bean cutworm’s mid-gut. Because VIP targets this site, rather than the sites traditionally targeted by crystal (cry) proteins, Agrisure Viptera delivers a high dose kill, making it the most effective trait for control of western bean cutworm.

	Corn earworm	Black cutworm	Fall armyworm	Western bean cutworm	Common stalk borer	True armyworm	European corn borer	Southwestern corn borer	Corn rootworm <sup>2</sup>
 <b>Agrisure Duracade</b> 5222 E-Z Refuge*	****	****	****	****	***	****	****	****	***
 <b>Agrisure Viptera</b> 3220 E-Z Refuge*	****	****	****	****	***	****	****	****	-
 <b>Agrisure Duracade</b> 5122 E-Z Refuge*	**	***	*	*	*	-	****	****	***
Genuity® SmartStax® RIB Complete®	***	***	***	*	*	-	****	****	***
Optimum® AcreMax® Xtreme	**	***	*	*	*	-	****	****	***

Insect control scale: Excellent \*\*\*\* Very Good\*\*\* Good\*\* Some\* - Unavailable

Performance evaluations are based on field observations and public information. Data from multiple locations and years should be consulted whenever possible. Individual results may vary depending on local growing, soil and weather conditions.

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

<sup>1</sup> Available for purchase in 2019.

<sup>2</sup> Refer to the label for a full list of pests controlled.

<sup>3</sup> Mortality impact of Bt Transgenic Maize roots expressing eCry3.1Ab, mCry3.1Ab plus mCry3A on Western Corn Rootworm Larvae in the Field. Bruce E. Hibbard, Daniel L. Rank, Ryan Kurtz, Eric Boudreau, Mark R. Ellersieck, and J. Frederick Odhiambo. Journal of Economic Entomology. 2011, 104(5). 1584-1591.