

# An essential tool for corn rootworm management

Corn rootworm (CRW) continues to damage corn fields across the country, costing growers more than \$1 billion annually in yield losses and spending on control measures. Fluctuating insect pressures and farming practices, such as continuous corn-on-corn, further complicate control of a pest that's already difficult to manage.

To gain control, growers need to manage CRW and other corn soil pests in a sustainable way by combining the latest CRW trait technology with today's best pest management practices.

The Agrisure Duracade<sup>®</sup> trait is a valuable tool for CRW control, featuring a unique mode of action that provides excellent control in the vast majority of rootworm fields.



## A different kind of control

Agrisure Duracade expresses a protein that binds differently in the gut of the CRW, making it unique among other available traits. In a USDA study, research shows 99.79% reduction in adult beetle emergence, higher than any current CRW product on the market.<sup>1</sup>

By controlling Western, Northern and Mexican CRW, Agrisure Duracade helps hybrids develop a stronger, more robust root system that supplies optimal water and nutrient uptake. Stronger roots lead to healthier plants that stand all season long, realizing the crop's genetic yield potential and increasing profit potential.

This kind of control makes Agrisure Duracade an essential part of managing CRW.



This photo demonstrates a comparison of Agrisure Duracade corn (right) with a competitive hybrid (left) taken from a 2013 field trial in Princeton, IL.

<sup>1</sup> **Mortality Impact of Bt Transgenic Maize Roots Expressing eCry3.1Ab, mCry3A and eCry3.1Ab plus mCry3A on Western Corn Rootworm Larvae in the Field.** Bruce E. Hibbard, Daniel L. Frank, Ryan Kurtz, Eric Boudreau, Mark R. Ellersieck, and J. Frederick Ochiambo. *Journal of Economic Entomology*. 2011, 104 (5). 1584-1591.



## What are growers saying?

“Corn rootworm has kind of crept up on us. There are some producers that really have a problem, and I think Agrisure Duracade will be very beneficial for them. In our fields, I think the standability of the Agrisure Duracade hybrids has been very good. I’ve seen no problems with it at all.” – *Mike Blome, Alden, Iowa*

“I tried the Agrisure Duracade trait this year out of curiosity to see how it would perform. The corn rootworm control with Agrisure Duracade was excellent, and certainly the best we’ve had. The overall experience with Agrisure Duracade was very positive – it provided the control I needed.” – *Cole Anderson, Blue Crossing, Neb.*

## Convenient and reliable

Always stacked with a second, proven mode of action, the Agrisure Duracade trait is available in two trait stacks that offer dual modes of CRW control with an integrated refuge in one convenient product.



Agrisure Duracade 5122 E-Z Refuge® and Agrisure Duracade 5222 E-Z Refuge trait stacks combine the Agrisure Duracade trait with other insect control and herbicide-tolerant trait technologies to manage a broad spectrum of above- and below-ground pests and provide tolerance to glyphosate herbicides.



Additionally, Agrisure Duracade is available in the latest, highest-yielding genetics, including water-optimizing Artesian™ hybrids, which maximize yield when it rains and increase yield when it doesn't.

## Support for long-term control practices

Effective and sustainable CRW management requires an individualized field strategy and the judicious use of multiple control measures – not a singular technology. Long-term CRW management will require a multi-year, whole-farm approach.

To help, Syngenta has provided an easy-to-use decision tree that can help determine specific recommendations for managing CRW in each field.

Visit [www.syngenta-us.com/agrisure/crw-control.aspx](http://www.syngenta-us.com/agrisure/crw-control.aspx) for an interactive tour.



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