

# PROVEN PROTECTION BEYOND TRAITS



- Proven, reliable performance to control corn rootworm larvae (CRW), seed- and seedling-attacking insects
- Better root protection, harvestability and control of insects than seed treatments or Bt rootworm traits alone
- SIMPAS® application system provides rate flexibility and control by management zone
- Focus on areas where ROI is highest (highest yielding zones, corn-on-corn, no Bt trait or single belowground CRW trait, 1st year corn in extended diapause and western CRW variant areas)



## RECOMMENDATION

- Full rate on all corn-on-corn acres, highest yielding management zones, fields with single below-ground rootworm trait or suspected resistance to dual Bt traits
- Target seed- and seedling-attacking insects and trouble zones – heavy manure, prior year weed infestations in corn-on-corn or corn-soy rotation where CRW is not a primary target
- 1st year corn (extended diapause geographies, western CRW variant in areas where soybean had ragweed, waterhemp, grass weeds or volunteer corn, and highest yield potential zones)

See our entire line of products at [AMVAC.com](http://AMVAC.com)

## AZTEC® HC HIGHER CONCENTRATION GRANULES INSECTICIDE HAS PROVEN ITS VALUE IN UNIVERSITY AND ON-FARM TRIALS

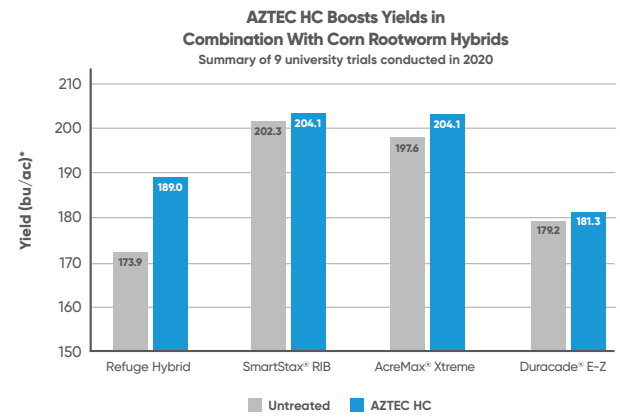
To demonstrate the enhanced yield response that **AZTEC® HC Higher Concentration Granules** produce in conventional and traited corn, AMVAC® sponsored academic trials across the Midwest for several years. The trials featured **AZTEC HC** on rootworm trait hybrids (both single and dual mode of action traits) and untreated refuge hybrids. **AZTEC HC** provided greater percent consistency of root protection across trials for each hybrid platform and increased yields across trials in each of the hybrid platforms evaluated.

Western corn rootworm field-evolved resistance has been documented in all commercially available Bt traits. Resistance of northern corn rootworm to two commercial Bt proteins was recently reported by North Dakota State University.\*

Get the convenience and proven performance of **AZTEC HC**:

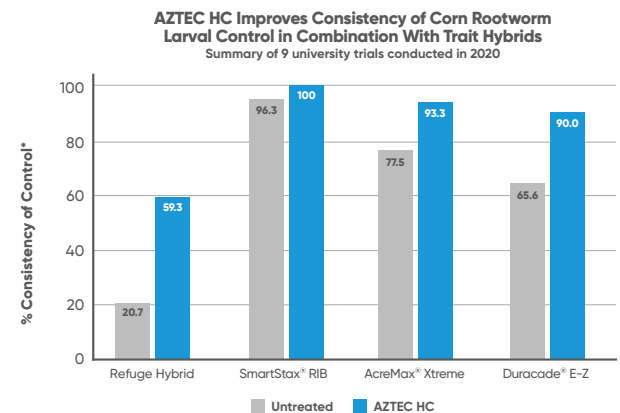
- Control all species of corn rootworms (northern, western, southern, Mexican), including rotation-resistant variants of northern and western corn rootworms
- Control seed- and seedling-attacking insects, including cutworm, seedcorn beetle, seedcorn maggot, wireworm and white grub
- In-furrow application of **AZTEC HC** produces healthier roots and stronger stands, resulting in greater harvest efficiency and higher returns

\*Calles-Torez V, Knodel JJ, Boetel MA, et al. Field-evolved resistance of northern and western corn rootworm (coleoptera: chrysomelidae) populations to corn hybrids expressing single and pyramided Cry3Bb1 and Cry34/35Ab1 Bt proteins in North Dakota. *J Econ Entomol.* 2019;112(4):1875-1886.



**Corn Hybrid Platforms – AZTEC HC vs. Untreated**

\*Yields adjusted to 15% moisture. Hybrids evaluated across trials include Refuge (no rootworm trait), SmartStax® RIB Complete®, Optimum® AcreMax® Xtreme and Agrisure Duracade® E-Z Refuge.



**Corn Hybrid Platforms – AZTEC HC vs. Untreated**

\*Percent consistency of rootworm control equals percent of roots sustaining  $\leq 0.25$  node-injury (NI) on 0-3 NI scale. Hybrids evaluated across trials include Refuge (no rootworm trait), SmartStax® RIB Complete®, Optimum® AcreMax® Xtreme and Agrisure Duracade® E-Z Refuge.



**AZTEC HC** applied in-furrow (left) vs. untreated check on non-rootworm trait hybrid (right). 2019 SD trial.