Powerful Above-Ground Pest Protection





PowerCore® Enlist® corn is designed to help protect against above-ground insect pressures, delivering more modes of action to enable farmers to diversify their insect trait portfolio, for better control of yield-robbing pests today and less resistance in the future.

A pyramid of traits

- PowerCore Enlist corn includes three proteins: Cry1A.105, Cry2Ab, Cry1F.
- Some insects are showing resistance to Cry1 traits, common to many above-ground technologies.
- By introducing an additional mode of action (Cry2Ab), planting PowerCore Enlist corn helps slow resistance development in targeted pests.
- A pyramid approach enhances "trait durability," so the technology will work for many seasons to come.



Each protein offers a unique mode of action.

Multiple modes of action delay insect populations developing resistance to *Bt* proteins.

More modes of action against troublesome pests

- PowerCore® trait technology offers one of the broadest spectrum protections against above-ground insects in corn.
- Protects against stalk-boring insects that can be particularly damaging, with excellent efficacy against:
 - European corn borer
 - Southwestern corn borer
 - Sugarcane borer
- Delivers more insect protection than what's available with VT Double PRO® corn.

	How does PowerCore® trait technology stack up?		
	Primary Pest Controlled	PowerCore® Enlist® corn	VT Double PRO® corn
s modes of action	Black cutworm	✓	NONE
	European corn borer	111	11
	Fall armyworm	111	11
	Southwestern corn borer	111	11

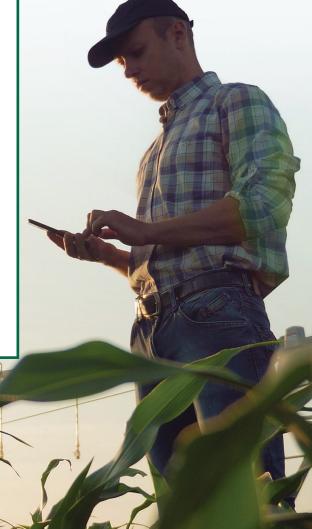
Checkmarks represent number of modes of action for control over specified pest.

The right fit for an IPM approach

- With multiple modes of action, PowerCore® Enlist® corn fits well with an integrated pest management (IPM) strategy.
- IPM integrates responsible use of traits and management practices.
- PowerCore Enlist corn proactively addresses resistance risks by introducing next-generation Bt traits.

Using PowerCore Enlist corn in an IPM approach:

- Prevent the buildup of pests through starting with a clean field and rotating crops and traits.
- Use seed products, planting technology and seedling rates that are appropriate for a given crop in a particular geographic area.
- Scout: Monitor for pest populations throughout the growing season to determine if treatment is necessary.
- Intervene when required, using a combination of approaches to manage the pest population.
- Use appropriate maturity products and harvest schedules, destroying crop residue promptly.
- Minimize over-wintering of pests through soil management practices.
- Use crop rotation, including products with different traits, to delay onset of resistance.
- Be sure to follow refuge requirements for PowerCore Enlist corn:
 - o Corn Region: 5% separate, structured refuge of non-Bt corn
 - o Cotton Region: 20% separate, structured refuge of non-Bt corn
- PowerCore® Enlist® Refuged Advanced® corn does not require a separate, structured refuge in the Corn Region. Additional 20% corn borer refuge is required in EPA-designated cotton regions/counties.



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