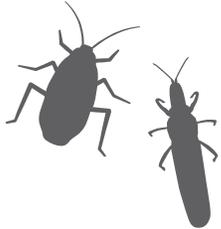




## Take Back Your Fields



**Tarnished plant bugs and thrips species have become some of the most economically detrimental pests in U.S. cotton farming.**<sup>1</sup> ThryvOn™ Technology will be the industry's first biotechnology trait that will provide season-long protection to the whole plant against tarnished plant bugs and thrips species.<sup>2</sup>

## The ThryvOn™ Technology Difference

Its simple, easy, built-in trait technology will help protect cotton and may **reduce insecticide applications for tarnished plant bugs and thrips species**, providing more management flexibility.

### Stoneville, MS 2017 Yield Trial

Lint Yield LBS/A	Number of Insecticide Applications	Check <sup>3</sup>	ThryvOn™ Technology	Number of Insecticide Applications	Lint Yield LBS/A
WEEKLY <b>1,197</b>	WEEKLY <b>9</b>			WEEKLY <b>9</b>	WEEKLY <b>1,241</b>
2X THRESHOLD <b>743</b>	2X THRESHOLD <b>2</b>			2X THRESHOLD <b>1</b>	2X THRESHOLD <b>931</b>
THRESHOLD <b>1,033</b>	THRESHOLD <b>5</b>			THRESHOLD <b>3</b>	THRESHOLD <b>1,133</b>
UNSPRAYED <b>524</b>	UNSPRAYED <b>0</b>			UNSPRAYED <b>0</b>	UNSPRAYED <b>971</b>

Weekly = season-long control | 2X Threshold = double current recommendation | Threshold = current recommendation | Unsprayed = no chemical insecticide treatment applied  
John Corbin, Mississippi State University graduate student under the direction of Dr. Jeff Gore and Dr. Angus Catchot

### Thrips Trial - No Foliar Insecticide Applied



▶ ThryvOn™ Technology will allow for season-long protection against yield-robbing pests — supporting **healthier plants and improved yield potential.**

Both comparisons were treated with Acceleron® Seed Applied Solutions - Standard  
Location: The University of Tennessee - West Tennessee Research and Education Center.  
Photo taken by internal Bayer employee, 2019

## Protect Your Investment

- ▶ Bolls sampled for tarnished plant bug injury showed ThryvOn™ Technology can help protect yield.

Stewart, Scott and Graham, Scott, Evaluation of a New *B.t.* Toxin, Cry51Aa2, for Control of Thrips and Plant Bugs in Cotton, 2019



## Control That's Stacked in Your Favor

**Bollgard® 3 ThryvOn™ cotton with XtendFlex® Technology** will provide more flexibility and benefits to growers:



- ▶ More options against tough-to-control and resistant weeds like Palmer amaranth, waterhemp and marestail, with **tolerance to three herbicides: glyphosate, dicamba and glufosinate.**
- ▶ An even broader spectrum of insect protection against bollworm, tobacco budworm, tarnished plant bugs, thrips species<sup>2</sup> and other common worm pests, translating into **less damage to cotton and potentially fewer sprays.**



## Peace of Mind for Cotton to Thrive

Designed to provide season-long protection for the whole plant, ThryvOn™ Technology will help protect your cotton crop. It will be the new defense against tarnished plant bugs and thrips species<sup>2</sup> — **for healthy cotton that thrives.**

ThryvOn™ Technology is not currently available for commercial sale or commercial planting. Commercialization is dependent on multiple factors, including successful conclusion of the regulatory process. The information presented herein is provided for educational purposes only, and is not and shall not be construed as an offer to sell. It is a violation of federal law to promote or offer to sell an unregistered pesticide.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with cotton with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or cotton with XtendFlex® Technology.

**FOR COTTON, EACH ACCELERON® SEED APPLIED SOLUTIONS OFFERING** is a combination of separate individually registered products containing the active ingredients: **STANDARD** Offering: metalaxyl, flupoxad, pyraclostrobin, myclobutanil and imidacloprid.

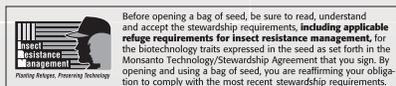
The distribution, sale, or use of an unregistered pesticide is a violation of federal and/or state law and is strictly prohibited. Not all products are approved in all states.

**B.t. products** may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

Performance may vary, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

**Cotton with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba.** Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.

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<sup>1</sup> America's Cotton Producers and Importers, Cotton Incorporated (Nov. 11, 2019). Cotton Entomology Research. Retrieved from <http://www.cottoninc.com>

<sup>2</sup> ThryvOn Technology protects against two species of tarnished plant bugs (*Lygus hesperus* and *Lygus lineolaris*) and thrips (*Frankliniella* spp.).

<sup>3</sup> Non-tarnished plant bugs and non-thrips-treated cotton