

Advanced Weed Control Technology

ROUNDUP READY®
X TEND
CROP SYSTEM

The Roundup Ready® Xtend Crop System is an advanced weed management system that helps control more resistant and tough-to-control broadleaf weeds in soybeans and cotton than any other crop system. With advanced dicamba- and glyphosate-tolerant traits, combined with the proven yield performance of Roundup Ready 2 Xtend® soybeans and Bollgard II® XtendFlex® cotton, the Roundup Ready Xtend Crop System provides growers with the most effective system today.

Xtend Your Yield

ROUNDUP READY 2
X TEND
SOYBEANS

- **Now Commercially Available**
- The only soybean trait that provides **tolerance to both dicamba and glyphosate**
- Built on the proven yield performance of Genuity® Roundup Ready 2 Yield® technology
- **5.4 Bu/A average advantage¹ vs. LibertyLink® in herbicide system trials**

BOLLGARD II®
X TEND FLEX
COTTON

- **Now Commercially Available**
- First triple-stack herbicide-tolerant technology in cotton with **tolerance to dicamba, glyphosate and glufosinate**
- Built on the high yield potential of Genuity® Bollgard II® with Roundup Ready® Flex technology
- **60 lbs. lint/A average advantage² vs. top yielding competitors**
- Trusted insect protection with Genuity® Bollgard II® technology

Xtend Weed Control

NOW EPA APPROVED FOR IN-CROP USE – Low volatility dicamba herbicide

X TEND IMAX[™]
With VaporGrip[™]
Technology

- Designed to be the industry's lowest volatility dicamba formulation through our exclusive VaporGrip[™] Technology with a significant reduction in volatility potential compared to currently available dicamba formulations
- Ideal dicamba option to **help manage glyphosate-resistant and tough-to-control weeds**
- Up to 14 days of soil activity on small-seeded broadleaf weeds³
- An integral component of the Roundup Ready Xtend Crop System

What's next?

Upon regulatory approvals, the Roundup Ready Xtend Crop System will include a dicamba and glyphosate pre-mix herbicide, to be branded as Roundup Xtend[™] herbicide with VaporGrip[™] Technology.

PENDING REGULATORY APPROVALS – Low volatility dicamba and glyphosate pre-mix herbicide

Roundup
X TEND
With VaporGrip[™]
Technology

- Designed to be the industry's lowest volatility dicamba and glyphosate pre-mix herbicide through our exclusive VaporGrip[™] Technology
- The only dicamba and glyphosate pre-mix herbicide formulation for convenience of use
- Designed specifically for the Roundup Ready Xtend Crop System

¹ Source: 2015 & 2016 Monsanto Systems Trials (14 locations in 2015 and 19 locations in 2016 reporting yield data). Significant at P ≤ 0.05 LSD of 1.6 Bu. Data as of November 7, 2016. Roundup Ready® Xtend Crop System data = Roundup Ready 2 Xtend® soybeans treated with dicamba, glyphosate and various residual herbicides. LibertyLink® system data = LibertyLink® soybeans treated with Liberty® herbicide and various residual herbicides.

² Source: Top three Bollgard II® XtendFlex® varieties in each cotton-growing area vs. top planted competitors in 2015. Internal Monsanto Trials and University OVTs/County Trials. 756 comparisons across all regions (N. High Plains, S. High Plains/Rolling Plains, S. TX, Central TX, Upper Mid-South, Lower Mid-South, Lower SE, Carolinas) in 2015.

³ On certain small-seeded broadleaf weeds. Results may vary, depending on rainfall and soil type. Always use dicamba with traditional residual herbicides in pre-emergence and postemergence applications that have different, effective sites of action, along with other Diversified Weed Management Practices (DWMPs).

The Roundup Ready® Xtend Crop System provides more flexibility, weed control and added value than any other weed control system on the market.



		Roundup Ready® Xtend Crop System	LibertyLink® System	Enlist™ Weed Control System
Soybean Trait Import Approvals	China	✓	✓	✗
	EU	✓	✓	✗
Weed Species Controlled		~274	~120	<240
Product Choice	Straight Goods	Now EPA Approved for In-Crop Use: XtendiMax™ herbicide with VaporGrip™ Technology (dicamba)	Liberty® (glufosinate)	✗
	Pre-Mix	Pending Regulatory Approvals: Roundup Xtend™ herbicide with VaporGrip™ Technology (dicamba and glyphosate)	✗	Enlist Duo® (2,4-D and glyphosate)
Soil Activity		Up to 14 days on small-seeded broadleaf weeds*	✗	Low
Minimum Ground Application Carrier Volume (GPA)		10	15	10
Recommendations and Incentives		Roundup Ready PLUS® Crop Management Solutions Up to \$15.00/A cash back	LibertyLink® LinkUp™ Up to \$7.00/A	N/A
Incentive Eligible Products		Up to 17	Up to 8	N/A

*On certain small-seeded broadleaf weeds. Results may vary, depending on rainfall and soil type. Always use dicamba with traditional residual herbicides in pre-emergence and postemergence applications that have different, effective sites of action, along with other Diversified Weed Management Practices (DWMPs).

To learn more about the Roundup Ready® Xtend Crop System and education opportunities, visit RoundupReadyXtend.com or contact your Monsanto representative or retailer.

ALWAYS READ AND FOLLOW DIRECTIONS FOR USE ON PESTICIDE LABELING. 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 or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans, Bollgard II® XtendFlex® or XtendFlex® cotton. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. DICAMBA FORMULATIONS MAY NOT BE APPROVED IN ALL STATES. 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, Bollgard II® XtendFlex® or XtendFlex® cotton.

This information is for educational purposes only and is not an offer to sell Roundup Xtend™ with VaporGrip™ Technology. This product is not yet registered or approved for sale or use anywhere in the United States.

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, or a recommendation to use, any unregistered pesticide for any purpose whatsoever. It is a violation of federal law to promote or offer to sell an unregistered pesticide.

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Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. **Bollgard II® XtendFlex® cotton** contains genes that confer tolerance to glyphosate, dicamba and glufosinate. 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 Monsanto dealer or refer to Monsanto's Technology Use Guide for recommended weed control programs.

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Bollgard II®, Genuity®, Monsanto and Vine Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready PLUS®, Roundup Ready®, Roundup Xtend™, Roundup®, VaporGrip™, XtendFlex® and XtendiMax™ are trademarks of Monsanto Technology LLC. Liberty®, LinkUp™ and LibertyLink® and the Water Droplet Design® are registered trademarks of Bayer. All other trademarks are the property of their respective owners. ©2016 Monsanto Company. 1T4R164639



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.

