



2018 Yield Comparisons of Roundup Ready 2 Xtend[®] Soybean Products to LibertyLink[®] Soybean Products - Missouri

Trial Objective

- Weed control in soybean continues to be a challenge as difficult-to-control and herbicide-resistant weed populations continue to develop.
- The objective of this study was to compare the yields of Roundup Ready 2 Xtend[®] soybean products to competitor LibertyLink[®] soybean products.

Research Site Details

Location	Soil Type	Previous Crop	Tillage Type	Planting Date	Harvest Date	Potential Yield (bu/acre)	Seeding Rate (seeds/acre)
Camden Point, MO	Silt loam	Soybean	Minimal	05/18/18	10/22/18	70	160K
Rich Hill, MO	Clay loam	Corn	Minimal	06/04/18	10/17/18	60	160K
Lentner, MO	Silt loam	Soybean	Minimal	05/31/18	10/24/18	60	150K
Novelty, MO	Silt loam	Corn	Conventional	05/24/18	10/27/18	60	150K

- Herbicide programs specific to each location were used to create trials with minimal weed pressure. All plots at each location received the same herbicide treatments.
- Trials were small plots with three replications at each site.
- Each treatment was two rows (30-inch rows) wide and 15 feet long.

Table 1. Number of products evaluated by herbicide-tolerant trait in each maturity group.

	Roundup Ready 2 Xtend [®] soybean entries	LibertyLink [®] soybean entries
All seed products	47	19
3.3 to 3.8 maturity group	14	10
3.9 to 4.4 maturity group	23	5
4.5 to 5.0 maturity group	10	4

Understanding the Results

- For the mid and late maturity groups, strong performance of the Roundup Ready 2 Xtend[®] soybean products was observed when compared to the LibertyLink[®] soybean products.



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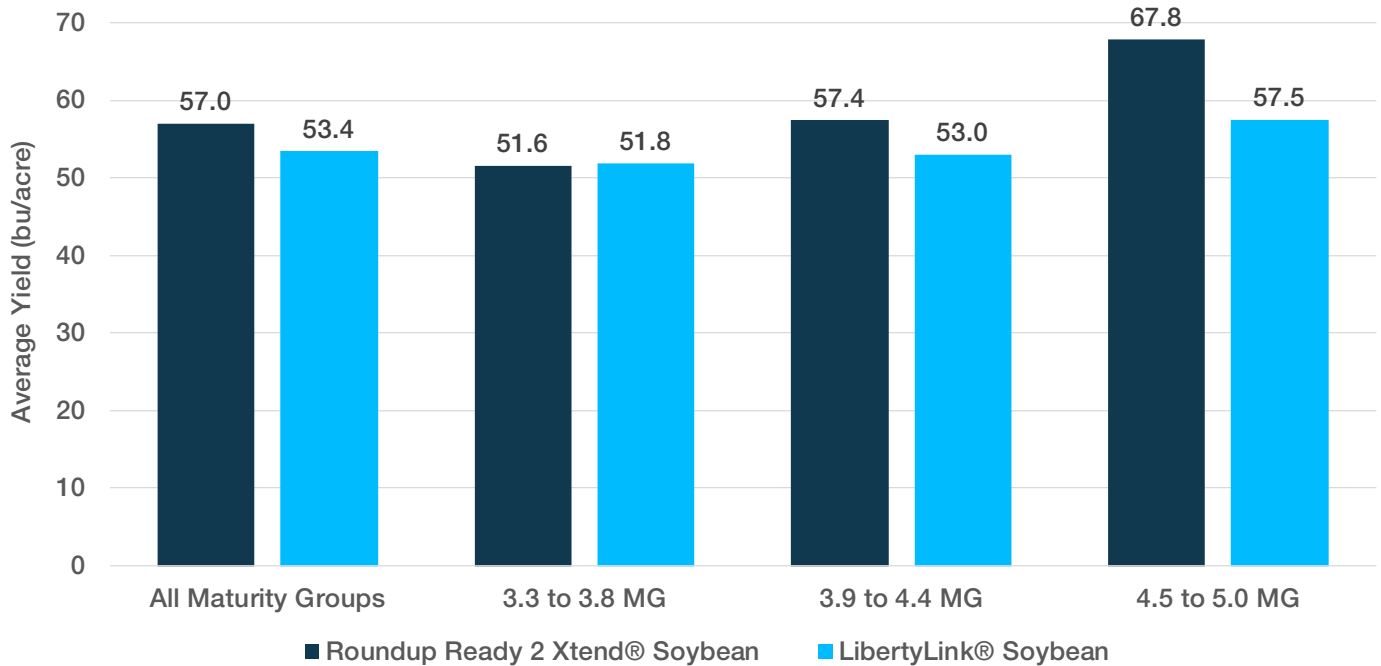


Figure 1. Yield comparisons of Roundup Ready 2 Xtend[®] soybean products to LibertyLink[®] soybean products. (See Page 1)

What Does This Mean For Your Farm?

- Based on this trial the Roundup Ready[®] Xtend Crop System was shown to provide improved yield potential and weed management.

Legal Statements

The information discussed in this report is from multiple sites and replicated at each site demonstration. This informational piece is designed to report the results of this demonstration and is not intended to infer any confirmed trends. Please use this information accordingly.

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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. 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.

Roundup Ready 2 Xtend[®] soybeans contains genes that confer tolerance to glyphosate 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 Technology Use Guide for recommended weed control programs.

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.

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