



ROUNDUP READY 2 XTEND® SOYBEAN VERSUS LIBERTYLINK® SOYBEAN

TRIAL OVERVIEW

- LibertyLink® soybeans and Roundup Ready 2 Xtend® soybeans are treated with different herbicide programs. This makes it difficult to separate yield differences related to weed control and individual product performance.
- Monsanto Technology Development & Agronomy teams have made an effort to test these trait platforms in a conventional herbicide system without glyphosate, dicamba, or glufosinate to focus solely on germplasm performance.

RESEARCH OBJECTIVE

- To compare soybean yields from Roundup Ready 2 Xtend and LibertyLink products.

Location	Soil	Previous Crop	Tillage Type	Planting Date	Harvest Date	Potential Yield/Acre	Planting Rate/Acre
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SITE NOTES:

- Several fields were used providing a wide spectrum of soil types, yield potential, harvest and planting dates, planting rates, and cropping and tillage systems. This study summarizes 470 head-to-head comparisons of each Roundup Ready 2 Xtend® soybean product versus each LibertyLink® soybean product grown in Iowa. All locations and test types are listed below.
- Iowa Locations: Storm Lake, Rudd, Masonville, Irvington, Dyersville, Webster City, Larchwood, Sioux Center, Ireton, Boyden, Sheldon, and Emmetsburg
- Company 'A' brand soybean relative maturities (RM) included in the study: 1.4, 1.7, 2.0, 2.1, 2.3, 2.4, 2.7, 2.9, 3.0, 3.1, 3.2, 3.4, 3.4, 3.5, 3.6, 3.8, and 3.9
- Company 'B' brand soybean RMs included in the study: 1.7, 1.9, 2.1, 2.5, 2.6, 2.8, 3.1, 3.2, and 3.4
- Company 'C' brand soybean RMs included in the study: 2.8, 3.1, and 3.2
- Company 'D' brand soybean RMs included in the study: two products from Group 1, five products from Group 2, and one product from Group 3

UNDERSTANDING THE RESULTS

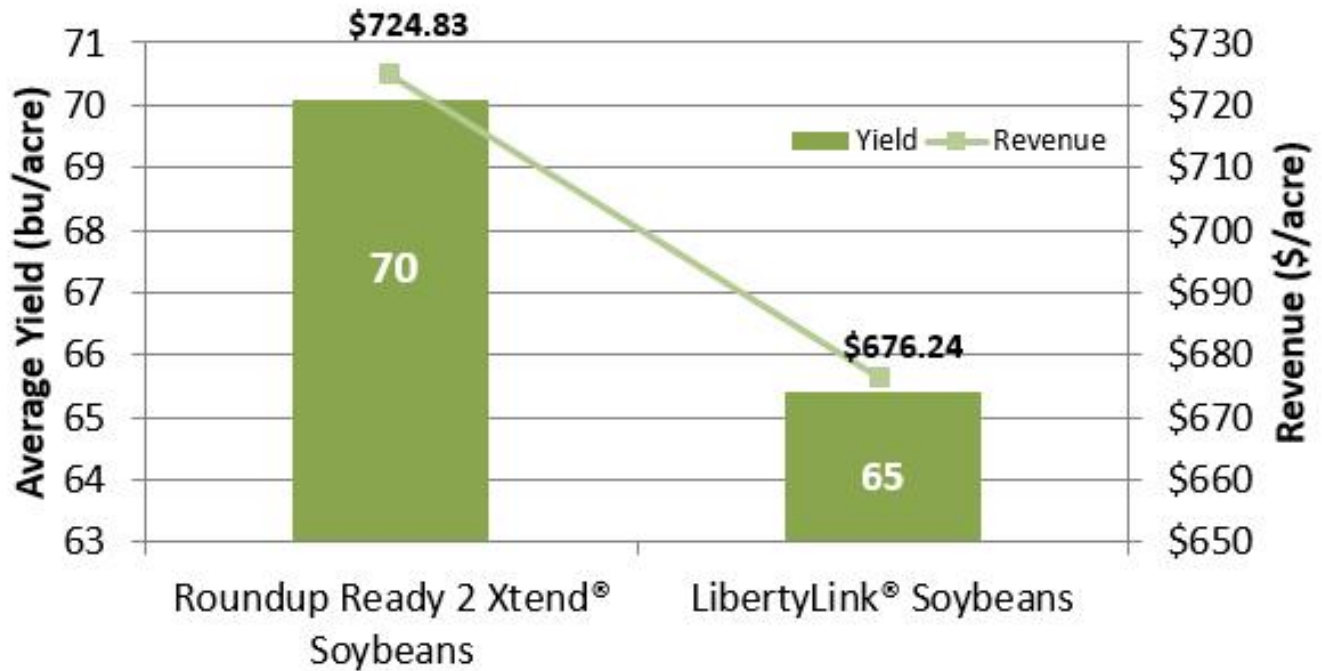


Figure 1. Average yield and revenue summary of 470 head to head comparisons of Roundup Ready 2 Xtend® soybeans and LibertyLink® soybeans. A market price of \$10.34 was used to calculate revenue for both soybean brands. Premiums may be applied in some geographies for certain soybean products.

- Head to head comparisons were not restricted in relative maturity.
- In 470 comparisons, Roundup Ready 2 Xtend® soybeans had a 4.7 bu/acre and \$48.59 per acre advantage over LibertyLink® soybean products (commodity soybean price as of this writing was \$10.34 per bushel).

WHAT DOES THIS MEAN FOR YOUR FARM?

- Roundup Ready 2 Xtend® soybeans had higher yield potential and greater revenue per acre compared to LibertyLink® soybeans.

LEGAL STATEMENT

For additional agronomic information, please contact your local brand representative.

Developed in partnership with Technology, Development & Agronomy by Monsanto.

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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 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 Monsanto dealer or refer to Monsanto's Technology Use Guide for recommended weed control programs. Roundup Ready 2 Xtend® is a trademark of Monsanto Technology LLC. LibertyLink® is a registered trademark of Bayer. All other trademarks are the property of their respective owners. ©2017 Monsanto Company. 161223133749 010517SEK