

Roundup Ready Soybeans vs. Conventional Soybeans

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Objective

To determine yield and moisture differences in conventional soybean production systems vs. Roundup Ready soybean systems.

Background

Cooperator: Marion HS FFA Herbicide (conv.): POST: Flexstar (1.25 pt/A)
County: Marion Firststate (0.2 oz/A), Fusion (8 oz/A)
Nearest Town: Marion COC (1% v/v), 28% N (2% v/v)
Soil Type: Milford Herbicide (RR): POST: Roundup Ultra (1 qt/A)
Tillage: No-till Planting Date: June 2, 1998
Row Width: 7 inches

Methods

Two varieties of Roundup Ready soybeans were planted in a randomized complete block experiment with two varieties of conventional soybeans from the same seed company. Four replications were used of each variety in 25' x 175' side by side strips.

Results

Variety	Harvest Moisture (%)	Yield (bu/A @ 13% moisture)
Pioneer 9396RR	12.2	51.04
Pioneer 92B51RR	12.1	50.26
Pioneer 9395	12.0	49.30
Pioneer 9245	11.9	52.87
F-Test	1.18	0.76
Significance (P=0.05)	NS	NS
CV	5.5%	2.8%

Summary and Notes

Differences were noted in the overall appearance of the bean plants after post applications of conventional herbicide program. Plant foliage of conventional soybeans was noticeably burnt by Roundup drifting from adjacent Roundup Ready plots. No significant differences were found in yields among the four varieties, and no differences were detected between the conventional soybeans and Roundup Ready soybeans.

For additional information, contact:

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