

BECK'S Roundup Ready vs. Traditional Systems Long Term Study - 2006

Location:	A8 plot	Herbicide:	All Traditional & Traditional Corn / Roundup Ready Soybean:
Planted:	April 11, 2006		Pre-Emerge: 2.1 qts. Bicep II Magnum
Harvested:	September 25, 2006		1 qt. Princep
Rows:	Four 30" Rows		Post Emerge: 1.67 qts. Lexar
Seeding Rate	32,300 seeds/A.		All Roundup Ready:
Previous Crop:	Corn		Pre-Emerge: 2 qts. Harness Xtra
Tillage:	V-Rip / S-tine		1 qt. Princep
Replications:	One (All RR System) Two (Other Systems)		Post Emerge: 1 qt. Roundup Original Max
		Insecticide:	Force

RAINFALL	
April	3.6 in.
May	4.5 in.
June	4.6 in.
July	4.4 in.
August	4.0 in.
Total	21.1 in.

Purpose: We developed this study to compare the long-term effects of three different seed/herbicide systems:

- 1) Roundup Ready System where Roundup Ready Corn and Roundup Ready Soybeans are used.
- 2) Roundup Ready Soybeans and Traditional Corn System.
- 3) Traditional System where only Traditional Corn and Soybeans are used along with Traditional herbicides.

We will look at the long-term effects of each system on weed species, weed control, and its effect on yield. We will also compare other visual or measured observations as they appear (e.g. volunteer corn, and herbicide interaction with the corn/soybeans).

Yield Rank	Brand-Hybrid	Test Weight	Percent Moisture	Bushels* Per Acre
<u>ALL ROUNDUP READY SYSTEM</u>				
1	BECK 5899CBRR	54.0	24.0	226.6
2	BECK 5616RR	53.0	24.7	226.6
3	BECK 5099RR	54.5	22.0	203.7
4	BECK 5228RR	<u>54.0</u>	<u>23.1</u>	<u>203.3</u>
	AVERAGE	53.9	23.5	215.1
<u>TRADITIONAL CORN / ROUNDUP READY SOYBEAN SYSTEM</u>				
1	BECK 5616	52.3	23.7	219.9
2	BECK 5827	53.0	25.0	211.4
3	BECK 5228	55.0	22.1	208.7
4	BECK 5012	<u>54.0</u>	<u>21.5</u>	<u>201.4</u>
	AVERAGE	53.6	23.1	210.4
<u>ALL TRADITIONAL SYSTEM</u>				
1	BECK 5616	52.5	24.4	217.9
2	BECK 5827	53.0	23.8	215.7
3	BECK 5228	54.3	21.9	208.1
4	BECK 5012	<u>53.5</u>	<u>22.5</u>	<u>204.4</u>
	AVERAGE	53.3	23.2	211.5

*Bushels per acre corrected to 15% moisture.

Summary: This year's results favored the All Roundup System in overall yield and performance by a slight margin over the Traditional Corn / Roundup Ready Soybean System.

Products performed similarly in relation to each other across all three systems.