

BECK'S Herbicide Sensitivity Study - 2005

Location:	D2 plot	Previous Crop:	Soybeans
Planted:	May 3, 2005	Tillage:	V-Rip / S-tine
Harvested:	September 24, 2005	Insecticide:	Aztec
Rows:	Two 30" Rows	Pre-Applied Herbicide:	2.3 qts. Bicep II Magnum
Population:	30,000 seeds/A.	Used only where Post-Applied products were Tested.	1.0 qt. Princep

RAINFALL	
April	3.4 in.
May	3.2 in.
June	4.0 in.
July	6.8 in.
August	<u>3.3 in.</u>
Total	20.7 in.

Purpose: Numerous factors can affect crop injury from herbicides, including soil type, weather conditions before, during and after application, planting depth, and proper furrow closure to name a few. This study was designed to evaluate the sensitivity of several post-applied herbicides along with some herbicide combinations. To simulate a spray overlap, a 2X labeled rate was applied. When evaluating the results, the lower the percentage, the greater the sensitivity. (Example: BECK 4996 was more sensitive to Northstar than BECK 5012.)

Herbicide	Ex 2411CB (5228CBRR Genetics)							
	4996	5012	5129	5166	5222		5366	5444RR
Control	101	97	104	105	105	102	106	99
Yukon	98	97	102	96	96	99	98	101
Accent	100	101	104	105	101	101	103	94
Callisto	103	99	105	102	96	105	100	101
Accent + Callisto	101	106	100	97	99	100	100	101
Accent + Lexar	93	93	87	89	91	92	94	101
Lexar	107	105	105	105	107	104	102	100
Northstar	96	99	89	97	97	90	94	100
Keystone	102	103	105	104	108	107	103	102

Herbicide	Ex 2426CB (5538Hx1 Genetics)							
	5597	5616RR	5737CL	5959CB	6097CB	7997CBCL	Avg.*	
Control	107	105	103	100	97	103	103	
Yukon	101	92	99	98	100	100	99	
Accent	97	100	101	96	98	99	100	
Callisto	102	102	103	99	99	97	101	
Accent + Callisto	101	104	101	102	104	101	101	
Accent + Lexar	90	96	91	101	99	100	94	
Lexar	104	105	107	104	103	101	104	
Northstar	95	93	90	98	97	97	95	
Keystone	105	104	107	102	104	101	104	

*This column is an average of all hybrids per treatment.

Summary: The 2005 results for all hybrids at a 2X labeled rate, showed that Accent + Lexar and Northstar had the most sensitivity (94% and 95% respectively in the average column). All other herbicide treatments showed very little hybrid sensitivity. Individual hybrid sensitivity to a given herbicide is displayed in the body of the table.