BECK'S 300 Bushel Attempt – 2010

Planted:	April 16, 2010	**Previous Crop:**	Soybeans
Harvested:	August 30, 2010	**Tillage:**	Disc Ripper / Field Cultivator
Soil Type:	Ragsdale Silt Loam	**Herbicide:** Pre:	1.5 qts. Lexar
Population:	40,000 seeds/A.		1 qt. Atrazine
Foliar Fungicide:	3 oz. Headline @ V6	**Insecticide:**	6 oz. Artic
	6 oz. Headline @ R1		2 oz. Mustang @ V6
			2 oz. Mustang @ R1

RAINFALL	
April	4.0 in.
May	3.1 in.
June	2.5 in.
July	2.5 in.
August	1.4 in.
Total	13.5 in.

Purpose: For this year's attempt to break 300 bushel corn, we looked at a combination of increasing nitrogen, utilizing a high seeding rate, and using a two pass foliar fungicide and insecticide program to obtain our goal. All of this year's entries were planted at 40,000 seeds per acre, received 3 oz. of Headline® fungicide and 2.5 oz. of Mustang Max™ at V6, and a second 6 oz application of Headline with 2.5 oz. of Mustang Max at R1. The first rep was planted in 30 inch rows and received 305 total units if N. The second rep was treated the same as the first with the exception that it received a total of 365 units of N. The third rep was treated the same as the first but planted in twin rows. Nitrogen applications were split with 35.2 units applied at planting (except twin rows), 120 units of N were pre-plant incorporated, and the balance was applied at V5 to minimize nitrogen loss.

Yield Rank	Brand	Final Stand	Test† Weight	Percent Moisture	Bushels† Per Acre	Net^ Return
35.2# N 2X2, 120# N PPI, 150# N SIDEDRESS@ V5						
1	BECK 6733HXR™*	40,250	60.3	22.3	257.1	$ 709.29
2	BECK 5442VT3	36,750	58.6	20.2	255.0	$ 692.31
3	BECK 6903HR™*	39,000	61.1	22.9	254.0	$ 697.51
4	BECK 6288A3	40,500	58.5	22.0	250.4	$ 679.33
5	BECK 6179VT3	36,500	58.4	21.7	240.9	$ 638.73
6	BECK 6464HR™*	38,500	58.8	20.5	217.1	$ 557.29
	AVERAGE	38,583	59.3	21.4	245.8	$ 662.41
35.2# N 2X2, 120# N PPI, 210# N SIDEDRESS@ V5						
1	BECK 5442VT3	39,750	59.5	20.5	264.1	$ 702.05
2	BECK 6733HXR™*	40,000	61.0	22.0	263.6	$ 709.15
3	BECK 6903HR™*	37,750	59.3	22.2	258.5	$ 689.77
4	BECK 6288A3	40,000	58.2	21.2	254.6	$ 670.45
5	BECK 6179VT3	36,750	60.0	20.1	243.5	$ 623.77
6	BECK 6464HR™*	39,750	59.6	20.5	230.0	$ 581.47
	AVERAGE	39,000	59.6	21.1	252.4	$ 662.78
TWIN ROWS, 120# N PPI, 180# N SIDEDRESS@ V5						
1	BECK 6733HXR™*	39,500	61.3	22.1	259.9	$ 722.09
2	BECK 5442VT3	38,250	59.8	20.5	257.4	$ 703.59
3	BECK 6903HR™*	35,500	61.2	20.9	250.0	$ 684.47
4	BECK 6179VT3	37,250	59.9	20.8	245.9	$ 659.89
5	BECK 6288A3	41,750	59.5	20.8	241.4	$ 647.29
6	BECK 6464HR™*	39,000	60.9	20.6	216.9	$ 558.69
	AVERAGE	38,542	60.4	21	245.3	$ 662.67

†Bushels per acre and test weight corrected to 15% moisture.
* XL™ brand seed is distributed by Beck's Superior Hybrids, Inc. ™XL is a trademark of Pioneer Hi-Bred.
^Net return based on 100 units ordered by September 15, 2009 and paid by January 10th, 2010 minus cost of nitrogen, fungicide, insecticide, and application. Headline price $16.41/A. Mustang Max price $4.28/A. 28% nitrogen price $232/ton. Price of corn $3.80/Bu.

Summary: The highest yielding entry in this year's study was BECK 5442VT3 with a yield of 264.1 Bu./A. It was planted at 40,000 seeds per acre, received a total of 365 units of nitrogen split applied along with 3 oz. of Headline, and 2 oz. of Mustang Max at V6 followed by 6 oz. of Headline and 2.5 oz. of Mustang Max at R1 (early silk). This is the second highest yield that we have achieved in the six year history of the study at the Southern IN PFR farm. BECK 6733HXR™* produced the highest net return per acre planted in twin rows and receiving 300 units of total nitrogen. This hybrid also produced the highest average net return across all three treatments of the six hybrids in the study. Special thanks to Tri-County Equipment in Poseyville, IN for the use of their Great Plains Twin Row Planter.