

BECK'S Advanced Soybeans in No-Till and Conventional - 2005

Location: H3 plot (No-Till)
300-1N, 2N plot (Conv.)
Planted: May 4, 2005
Harvested: October 5, 2005

Rows: Six 15" rows
Seeding Rate 156,000 seeds/A.
Previous Crop: Corn
Herbicide: 26 oz. Roundup Original Max

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: This study compares our advanced experimental varieties in our Head Start testing program to our leading products. We are evaluating yield and agronomic characteristics in both the no-till and conventional-till environments. We also had applied 4 tons per acre of chicken manure to one replication of the no-till plot in April 2004.

Yield Rank	Brand-Variety	Plant Height (IN.)	Pod Height (IN.)	Standability 1 = Erect 5 = Flat	Bushels* Per Acre	Advantage in Conv.-Till
NO-TILL (Two Replications)						
1	BECK EX 6556	39	4.0	1.5	57.0	
2	BECK 333RR	38	4.0	1.6	56.4	
3	BECK 295NRR	37	3.0	1.6	55.2	
4	BECK 336NRR	42	3.5	1.9	51.6	
5	BECK EX 6450	40	4.0	1.7	51.5	
6	BECK 354NRR	40	4.0	1.7	50.3	
7	BECK EX 6532	42	4.0	2.2	50.2	
8	BECK 321NRR	36	4.0	1.5	49.7	
9	BECK 367NRR	38	3.5	2.0	49.3	
10	BECK 375NRR	36	3.5	2.0	48.3	
11	BECK 297NRR	37	3.5	1.7	47.9	
12	BECK 323RR	37	3.0	1.4	47.9	
13	BECK EX 6530	41	3.5	1.8	47.0	
14	BECK EX 6554	39	3.0	1.8	46.8	
15	BECK 349NRR w/ Cruiser	38	3.5	1.7	46.3	
16	BECK EX 6565	<u>43</u>	<u>5.0</u>	<u>2.2</u>	<u>43.7</u>	
	AVERAGE	39	3.7	1.8	50.0	
CONVENTIONAL (One Replication)						
1	BECK 333RR	46	4.0	1.3	69.5	+13.1
2	BECK 321NRR	38	4.0	1.6	66.5	+16.8
3	BECK EX 6450	44	4.0	1.4	62.8	+11.3
4	BECK 349NRR w/ Cruiser	39	3.0	1.4	61.5	+15.2
5	BECK 336NRR	44	5.0	1.7	61.1	+9.5
6	BECK 367NRR	41	4.0	1.3	59.5	+10.2
7	BECK 297NRR	45	4.0	1.7	57.4	+9.5
8	BECK 295NRR	43	2.0	1.5	56.5	+1.3
9	BECK 354NRR	43	3.0	1.3	54.5	+5.0
10	BECK EX 6530	42	3.0	1.4	54.3	+7.3
11	BECK EX 6532	40	4.0	2.1	54.2	+4.0
12	BECK 323RR	38	4.0	1.3	52.5	+4.6
13	BECK EX 6556	38	4.0	2.0	52.4	-4.6
14	BECK EX 6565	43	3.0	1.6	51.0	+7.3
15	BECK EX 6554	40	4.0	1.9	50.2	+3.4
16	BECK 375NRR	<u>42</u>	<u>3.0</u>	<u>1.9</u>	<u>46.5</u>	-1.8
	AVERAGE	42	3.6	1.6	56.9	

*Bushels per acre corrected to 13% moisture.

Summary: This year's conventional-till study out yielded the no-till study by 6.9 bushels per acre which is one of the largest differences we have seen between no-till and conventional in the history of these studies. We also saw no yield advantage in the no-till replication where chicken manure was applied in April 2004.