

LaRue County Extension Soybean Variety Plot Results - 2010

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The Variety Test consisted of 21 different roundup ready varieties. A check plot was planted at the beginning, every 5th plot, and end of the test plots. Variation in yield of two nearest check plots from the average of all check plots was used in calculating final adjusted yield for the varieties. Yields were adjusted to 13.0% moisture. Companies were limited to two varieties. Test varieties were planted by maturity.

Tillage: No-Till
Planting Date: May 30
Harvest Date: October 12
Row Width: 15 inches
Previous Crop: Corn
Check Variety: Asgrow 4303
Check Maturity: 4.3

Check Average Yield: 55.0 bu/acre
Check Moisture: 9.9%
Grand Average Yield: 49.5 bu/acre
Planting Rate: 190,000 seed/acre
Plot Size: .25 acre
Soil Type: Elk

2010 Soybean Results - Adjusted Yield Rank

Rank	Variety	Maturity	Moisture	Test Wt.	Act. Yield	Adj. Yield
1	AgVenture 43A2RRSTS	4.3	10.3%	56.1	58.4	61.8
2	Beck's 445NR	4.4	9.8%	56.3	52.1	55.5
3	Stine 4392-4	4.3	10.1%	56.8	52.5	54.6
4	Stine 4782-4	4.7	9.9%	57.0	52.9	53.6
5	NK 38H8	3.8	11.0%	57.9	53.5	53.5
6	Pioneer 94Y20	4.2	10.2%	57.4	53.0	53.4
7	DynaGro 37P37	3.7	10.5%	57.3	51.9	52.3
8	Southern States RT4370N	4.3	10.4%	57.1	50.8	52.0
9	Channel 4000R2	4.0	9.7%	56.5	52.1	51.9
10	Southern Cross Caleb	4.4	9.8%	58.5	48.3	50.8
11	Agventure 38X1RR	3.8	10.7%	57.9	50.5	50.7
12	DynaGro 38RY45	4.5	10.2%	57.1	45.8	47.6
13	Asgrow AG 4730	4.7	9.5%	58.4	48.0	47.4
14	Pioneer 94Y60	4.6	9.2%	57.6	43.0	43.6
15	Beck's 491NR	4.9	9.0%	59.4	46.2	42.8
16	Southern States RT4808N	4.8	9.0%	58.4	44.7	42.3
17	Southern Cross Elam	4.6	9.6%	57.3	41.2	41.8
18	NK 48C9	4.8	9.0%	59.9	42.8	41.3
19	Channel 4500R2	4.5	9.6%	58.3	35.5	36.5
20	Asgrow AG4630	4.6	9.8%	57.9	33.8	34.2

2010 Soybean Results - Actual Yield Rank							
Act. Rank	Variety	Maturity	Moisture	Test Wt.	Adj. Yield	Adj. Rank	Act. Yield
1	AgVenture 43A2RRSTS	4.3	10.3%	56.1	61.8	1	58.4
2	NK 38H8	3.8	11.0%	57.9	53.5	5	53.5
3	Pioneer 94Y20	4.2	10.2%	57.4	53.4	6	53.0
4	Stine 4782-4	4.7	9.9%	57.0	53.6	4	52.9
5	Stine 4392-4	4.3	10.1%	56.8	54.6	3	52.5
6	Beck's 445NR	4.4	9.8%	56.3	55.5	2	52.1
7	Channel 4000R2	4.0	9.7%	56.5	51.9	9	52.1
8	DynaGro 37P37	3.7	10.5%	57.3	52.3	7	51.9
9	Southern States RT4370N	4.3	10.4%	57.1	52.0	8	50.8
10	Agventure 38X1RR	3.8	10.7%	57.9	50.7	11	50.5
11	Southern Cross Caleb	4.4	9.8%	58.5	50.8	10	48.3
12	Asgrow AG 4730	4.7	9.5%	58.4	47.4	13	48.0
13	Beck's 491NR	4.9	9.0%	59.4	42.8	15	46.2
14	DynaGro 38RY45	4.5	10.2%	57.1	47.6	12	45.8
15	Southern States RT4808N	4.8	9.0%	58.4	42.3	16	44.7
16	Pioneer 94Y60	4.6	9.2%	57.6	43.6	14	43.0
17	NK 48C9	4.8	9.0%	59.9	41.3	18	42.8
18	Southern Cross Elam	4.6	9.6%	57.3	41.8	17	41.2
19	Channel 4500R2	4.5	9.6%	58.3	36.5	19	35.5
20	Asgrow AG4630	4.6	9.8%	57.9	34.2	20	33.8

2010 Soybean Results - Field Location								
Variety	Maturity	Moisture	Test Wt.	Act. Yield	Act. Rank	Adj. Yield	Adj. Rank	
1	Check- Asgrow 4303	4.3	9.9%	56.6	54.4			
2	DynaGro 37P37	3.7	10.5%	57.3	51.9	8	52.3	7
3	Agventure 38X1RR	3.8	10.7%	57.9	50.5	10	50.7	11
4	NK 38H8	3.8	11.0%	57.9	53.5	2	53.5	5
5	Channel 4000R2	4.0	9.7%	56.5	52.1	7	51.9	9
6	Check		10.5%	57.2	55.5			
7	Pioneer 94Y20	4.2	10.2%	57.4	53.0	3	53.4	6
8	Southern States RT4370N	4.3	10.4%	57.1	50.8	9	52.0	8
9	Stine 4392-4	4.3	10.1%	56.8	52.5	5	54.6	3
10	AgVenture 43A2RRSTS	4.3	10.3%	56.1	58.4	1	61.8	1
11	Check		10.0%	57.5	51.0			
12	Beck's 445NR	4.4	9.8%	56.3	52.1	6	55.5	2
13	Southern Cross Caleb	4.4	9.8%	58.5	48.3	11	50.8	10
14	DynaGro 38RY45	4.5	10.2%	57.1	45.8	14	47.6	12
15	Channel 4500R2	4.5	9.6%	58.3	35.5	19	36.5	19
16	Check		10.0%	56.6	54.1			
17	Pioneer 94Y60	4.6	9.2%	57.6	43.0	16	43.6	14
18	Southern Cross Elam	4.6	9.6%	57.3	41.2	18	41.8	17
19	Asgrow AG4630	4.6	9.8%	57.9	33.8	20	34.2	20
20	Stine 4782-4	4.7	9.9%	57.0	52.9	4	53.6	4
21	Check		9.4%	56.5	54.4			
22	Asgrow AG 4730	4.7	9.5%	58.4	48.0	12	47.4	13
23	NK 48C9	4.8	9.0%	59.9	42.8	17	41.3	18
24	Southern States RT4808N	4.8	9.0%	58.4	44.7	15	42.3	16
25	Beck's 491NR	4.9	9.0%	59.4	46.2	13	42.8	15
26	Check		9.6%	57.6	60.6			

2010 Soybean Results - 2 and 3 Year Averages

2 Year Average			
Variety	Avg. Moisture	Actual Avg.	Adj. Avg.
1 Asgrow 4303	14.0	64.6	65.7
2 Pioneer 94Y20	14.5	60.8	61.7
3 Southern Cross Caleb	14.1	58.4	61.0
** Asgrow 4303 was winner in 2009 and check for 2010			

3 Year Average			
Variety	Avg. %	Actual Avg.	Adj. Avg.
1 Pioneer 94Y20	13.6	54.1	52.9

NOTE: Considerable drought stress late in season.