

Soybean

2005 Missouri Crop Performance



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Missouri 2005 Soybean Performance Tests

This report is a contribution of the Division of Plant Science, University of Missouri College of Agriculture, Food and Natural Resources. The work was supported by fees from companies and organizations submitting varieties for evaluation. Soybeans were first included in the University of Missouri's variety testing program in 1973. The number of entries in the program has increased from 51 in 1973 to 358 in 2005. The large number of varieties available makes selection of a superior variety difficult. To select intelligently, producers need a reliable, unbiased, up-to-date source of information that will permit valid comparisons among available varieties. The objective of the University of Missouri's performance testing program is to provide this information. The tests are conducted under as uniform conditions as possible. Small plots are used to reduce the chance of soil and climatic variations occurring between the variety plots. Results obtained should aid the individual grower in judging the relative merits of the commercial soybean varieties available in Missouri today.

Comparing Varieties

The performance of a variety cannot be measured with absolute precision. Uncontrollable variability is involved in the determination of each yield average. This variability sometimes occurs because the soil is not uniform, but many other conditions may also contribute. Because variability exists in all field experimentation, statistics are used as a tool to assist in making decisions. The statistical tool used in these tests is the test of least significant difference (LSD). The LSD is quite simple to apply. When two entries are compared and the difference between them is greater than the LSD, the entries are judged to be significantly different. Differences smaller than the LSD may have occurred by chance and are judged to be not significant.

Variety performance may seem inconsistent across locations and from year to year because of differences in rainfall, temperature, soil fertility, diseases, insects, and other factors. To obtain an improved estimate of relative variety performance, readers should consider results from more than one location or year. In this publication, the authors have tried to facilitate comparisons across years and locations.

In each test, the "top yielding" varieties in each maturity group have been identified. These varieties are those that did not yield significantly less than the highest yielding variety in the same maturity group. They are denoted in the tables by an asterisk (*) next to their yields. Thus, by going down a column, readers can readily identify the highest yielding varieties. By going across the page, readers can evaluate the relative performance of a variety during several years or at several locations. From the standpoint of yield, the most desirable varieties will be those which rank among the "top yielding" varieties (that is, have an asterisk) the greatest number of times.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a soybean variety. Standability, maturity, herbicide tolerance and disease resistance are among the characteristics that deserve careful consideration. Several diseases prevalent in Missouri can be devastating to susceptible varieties. Lodging may reduce yields and slow harvest. Poor seed quality is often associated with varieties which mature while temperatures are still high. Late maturing varieties are occasionally killed by frost. Selection of varieties from several maturity groups can be helpful in spreading out harvest dates. Therefore, information presented on disease reaction, lodging, herbicide tolerance, and maturity should also be considered when selecting a variety.

The Missouri Variety Testing Program does not recommend specific varieties. Farmers growing a new variety for the first time should consider all available information and then grow a small acreage to determine adaptability. This should be the practice for all new varieties regardless of origin.

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Experimental Procedures for Soybean Tests

Test Descriptions:

Glyphosate Resistant Soybean Test: This test includes glyphosate resistant varieties and receives a post emergence application of glyphosate.

Non-Glyphosate / Special Traits Soybean Test: This test is a combination of the non-glyphosate soybean test and the special traits soybean test. Examples of soybean lines with special traits include: tofu, natto, food grade, isoflavone, high oil, fatty acid profile, and high protein. Three high yield check varieties were included in these tests for comparison.

Entries: All producers of soybean varieties were eligible to enter the 2005 soybean evaluation tests. Participation was voluntary and the test coordinators exercised no control over which, or how many varieties were entered. To help finance the evaluation program, the participants paid \$100 per location for each variety entered.

Plot Management: All tests were planted and harvested with commercial equipment modified for small plot work. Row spacing for soybean tests in the North, Central and Southwest Regions was 15 inches. Row spacing for soybean tests in the Southeast Region was 30 inches. Seeding rate for the 15 inch and 30 inch row spacing was 174,200 seeds/Acre. Fertilizer was applied at each location at the discretion of the farmer or the station manager. Weed control was achieved with Roundup herbicide for the Glyphosate Resistant tests and various other herbicides for the Non-Glyphosate/Special Traits tests and additional hand weeding was done as required. Management details varied from location to location and are specified in the regional crop management summaries.

Data Recorded: Maturity group classification is provided by the entry sponsor. Maturity data is recorded when approximately 75 percent of the pods have turned color. Lodging and height are determined immediately before harvest. A scale of 1 to 5 is used to score lodging. Interpretation of the scale is as follows: 1 = all plants erect, 3 = all plants leaning moderately or 20 to 50% down, 5 = all plants down.

Data on maturity, plant height, lodging and yield are given for each entry and location. Yield is measured in bushels (60 pounds) per acre at a moisture content of 13.0 percent. An electronic moisture tester is used for all moisture readings.

All soybean locations were tested for the presence of SCN eggs in the soil prior to planting. Every effort was made to locate the test sites in fields of low to moderate levels of SCN. These numbers are given in the heading information of each table.

Accessibility of Data: The results of the 2005 Crop performance tests are also available online at <http://agebb.missouri.edu/cropperf/vartest> . If you need assistance in accessing the system; call 573-882-4827 for help.

Field Plot Design. Statistical designs used to analyze the field data included randomized lattice with 3 replications and randomized complete block with 4 replications, depending on the size of the test. Individual plots were four rows wide for the 15 inch row spacing and two rows wide for the 30 inch row spacing with a row length of 25 feet for both. All four rows of each plot were harvested for the 15 inch row spacing test and both rows of each plot were harvested for the 30 inch row spacing to determine yield.

Locations: On the basis of geographical characteristics, the state was divided into regions. Glyphosate Resistant and Non-Glyphosate Resistant/Special Traits soybean varieties were evaluated at twenty locations in all regions of the state. Test locations are shown on the adjacent map.

North Missouri

1. Steve Cunningham farm, Craig (Holt Co.)
2. Hundley-Whaley Research Center, Albany (Gentry Co.)
3. Beetsma farm, Mooresville (Livingston Co.)
4. Bill Cason farm, Macon (Macon Co.)
5. Roger Tiemann farm, LaGrange (Lewis Co.)

Central Missouri

6. John Williams farm, Henrietta (Ray Co.)
7. Ryland and Fred Utlaut farm, Grand Pass (Saline Co.)
8. Bradford Research & Ext. Ctr. Columbia (Boone Co.)
9. Roy Cope farm, Truxton (Montgomery Co.)
10. Bob Burkemper farm, Annada (Pike Co.)

Southwest Missouri

11. Roth farm, Harrisonville (Cass Co.)
12. Darrel Tenholder farm, Adrian (Bates Co.)
13. Kurt Gretzinger farm, Urich (Henry Co.)
14. Steve Cabbage farm, Nevada (Vernon Co.)
15. Wally Norton farm, Lamar (Barton Co.)

Southeast Missouri

16. Glenn Nothdruff farm, Oran (Scott Co.)
17. Joe Sevic farm, Morely (Scott Co.)
18. Tom Jennings farm, Morehouse (Stoddard Co.)
19. Delta Research Center-Loam, Portageville (Pemiscot Co.)
20. Delta Research Center-Clay, Portageville (Pemiscot Co.)



North Region Crop Management Summary

There are five locations in the northern region of Missouri for glyphosate resistant soybean tests. They are located in counties where a significant number of acres of soybean are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates ranged from May 9 to May 19 with soil conditions being good at all locations. Yields were good for the region with little variation between locations. Most northern counties received sufficient rainfall this summer except for a dry period in July and August that may have limited the plants ability to produce high yields. The LaGrange location was sprayed with Lorsban in August to control spider mites that invaded the field. Woods Flying Service of Memphis, MO was hired to fly on the insecticide.

Climatological information for the growing season for North Missouri (May 1 – September 30) is summarized below.

Average temperature = 72.0 degrees, 2.4 degrees above normal

Average precipitation = 16.9", 4.2" below normal

Table 1. North Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide		
			N	P ₂ O ₅	K ₂ O		Pre	Post	Insecticide
<i>Glyphosate Resistant Soybean Tests</i>									
Craig	05-19	10-18	0	0	0	Conv.	Outlook, Spartan, FirstRate	Roundup WeatherMax	
Albany	05-09	10-07, 10-08	0	60	80	Conv.	Outlook, Spartan, FirstRate	Roundup WeatherMax	
Mooreville	05-18	10-12	0	0	180	Conv.	Outlook, Spartan, FirstRate	Roundup WeatherMax	
Macon	05-10	10-10	0	0	0	Min.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax	
LaGrange	05-09	10-10	0	0	0	Conv.	Dual II Magnum, FirstRate, Authority	Roundup WeatherMax	Lorsban (post)

TABLE 2. Glyphosate Resistant Soybean Test

North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silty Clay Soil Test: pH=6.6; OM=2.3%; P=14; K=766

Cyst Nematode Population at Planting: 1662 Eggs/250cc of Soil

Rainfall: May=6.7, June=5.8, July=6.3, Aug.=3.1, Sept.=0.4 Total=22.3 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
NuTech NT-3777+ RR	3, 4	9-28	40	1	68.1**	62.2*	65.2
Willcross RR2386NX2	-	9-30	40	1	67.5*	--	--
NuTech NT-3777 RR	None	9-30	37	1	67.1*	--	--
Bio Gene BG3806RN	8	10-01	41	1	66.7*	--	--
Dyna-Gro SX05138	5	9-28	41	1	66.6*	--	--
Taylor 353RR	None	9-29	40	1	66.5*	--	--
Willcross RR2335N	-	9-30	42	1	66.0*	58.7	62.4
Prairie Brand PB-3905RR	None	9-30	39	1	66.0*	--	--
MFA Morsoy RT 3805	5	9-29	39	1	66.0*	--	--
Prairie Brand PB-3785NRR	None	9-29	40	2	65.7*	--	--
Kruger K-333RR/SCN	5	9-28	40	1	65.5*	--	--
MFA Morsoy RT 3644N	5	9-28	44	1	65.2*	59.4	62.3
Kruger K-399RR/SCN	5	9-29	44	2	64.4*	--	--
Stine 3532-4	None	10-01	40	1	64.0*	60.5*	62.3
NuTech NT-3666 RR/SCN	None	9-30	42	1	63.7*	--	--
Willcross RR2355N	-	9-29	44	1	63.5*	61.5*	62.5
Stine 3600-4	None	10-01	40	1	63.4*	62.4*	62.9
MPride/MPV 3605nRR	3, 4, 7	9-30	42	1	63.4*	61.1*	62.3
Kruger K-397RR/SCN	5	9-29	41	1	63.3*	--	--
Dyna-Gro 37K32	5	9-22	46	1	63.2*	--	--
Kruger K-330RR	5	9-29	40	1	62.9	--	--
Dyna-Gro 35D33	5	9-26	47	1	62.7	61.2*	62.0
Midwest Seed Gen. GR3832	None	9-29	40	1	62.7	--	--
Kruger K-355RR/SCN	5	9-28	40	1	62.6	61.8*	62.2
LG Seeds C3851RR	None	9-29	43	1	62.2	--	--
Crow's C3817R	None	9-27	41	2	62.2	--	--
Mersch.Washington IXRR	9	10-01	42	1	62.1	59.8	61.0
Renze R3726RR	None	9-27	43	1	62.0	--	--
NuTech NT-3101+ RR	3, 4	9-22	44	1	62.0	--	--
Vigoro V35N6RR	2	9-25	45	1	61.8	--	--
Kruger K-389RR/SCN	5	9-29	39	1	61.6	58.7	60.2
NuTech NT-3666+ RR/SCN	3, 4	9-29	44	1	61.6	--	--
Vigoro V39N4RR	2	10-02	42	1	61.4	60.2*	60.8
Renze R3996RRcn	None	9-30	48	1	61.4	--	--
Garst 3512RR/N	5	9-29	41	1	61.3	--	--
Croplan Genetics RT3555	None	9-29	40	1	61.2	--	--
Lewis 3716	1, 8	9-29	43	1	60.9	--	--
Excel 8343NNRR	4	9-26	47	1	60.9	--	--
MFA Morsoy RT 3304N	5	9-27	49	1	60.8	61.9*	61.4
DEKALB DKB36-52	3, 7	9-28	41	1	60.5	58.6	59.6
Midland MG 3816NRS	None	9-30	44	1	60.5	--	--
Excel 8357NNRR	4	9-28	43	2	60.2	--	--
NuTech NT-3500 RR	None	9-26	43	1	60.1	--	--
ASGROW AG3802	3, 7	9-30	44	1	60.1	59.5	59.8
Midland MG 9A373NRR	None	9-29	40	1	60.0	60.7*	60.4

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Lewis 3875	1, 8	10-01	42	1	59.9	62.1*	61.0
ASGROW AG3905	3, 7	10-03	47	1	59.8	--	--
Pioneer 93M11	3, 7	9-21	40	1	59.7	--	--
Dyna-Gro 32C38	5	9-29	40	1	59.5	--	--
Kruger K-349RR	5	9-22	36	1	59.5	55.0	57.3
ASGROW AG3602	3, 7	9-28	43	2	59.5	58.6	59.1
MPride/MPV 3803nRR	3, 4, 7	9-30	43	1	59.4	--	--
Midland MG 3826NRR	None	9-30	42	1	59.2	--	--
NuTech NT-3515 RR/SCN	None	9-27	43	2	59.1	--	--
MFA Morsoy RT 3804N	5	9-30	40	1	59.0	58.6	58.8
Midland MG 9A385NRS	None	9-30	40	1	58.9	58.8	58.9
ASGROW AG3505	3, 7	9-28	36	1	58.9	--	--
Renze R3835SRcn	None	9-29	41	1	58.8	--	--
NuTech NT-3839+ RR	3, 4	10-01	41	1	58.8	--	--
Willcross RR2385NSTS	-	9-30	38	1	58.8	62.4*	60.6
Mersch. Kennedy 538RR	9	9-30	43	1	58.7	60.1*	59.4
Kruger K-340RR	5	9-28	40	1	58.7	--	--
DEKALB DKB31-51	3, 7	9-21	38	1	58.7	--	--
Golden Harvest H-3631RR	None	9-29	41	1	58.7	--	--
NuTech NT-3737+RR/SCN	3, 4	9-30	40	1	58.3	60.4*	59.4
MFA Morsoy RT 3105N	5	9-29	43	1	58.2	--	--
Renze R3814RR	None	9-30	43	1	57.9	64.8*	61.4
Pioneer 93M50	2, 4	9-28	49	1	57.5	59.8	58.7
Dyna-Gro 33A37	5	9-28	42	1	57.5	61.3*	59.4
LG Seeds C3777NRR	None	9-23	44	1	57.3	--	--
MFA Morsoy RT 3665N	5	9-25	40	2	57.2	--	--
Kruger K-370RR/SCN	5	9-26	43	1	57.0	--	--
Garst 3624RR/N	5	9-27	40	1	57.0	63.4*	60.2
Prairie Brand PB-3894NRR	None	9-29	38	1	56.6	60.7*	58.7
Kruger K-341RR/SCN	5	9-24	40	1	56.1	--	--
Vigoro V38N5RS	2	9-29	42	1	55.9	57.0	56.5
Lewis 3515	1, 8	9-26	39	1	55.8	--	--
Kruger K-373RR/SCN	5	9-28	41	1	55.6	--	--
NuTech NT-3636+ RR/SCN	3, 4	9-27	38	1	55.5	--	--
Golden Harvest H-3606RR	3, 7	9-28	42	1	55.5	--	--
Willcross RR2386	-	9-28	49	1	55.4	--	--
MPride/MPV 3805nRR	3, 4, 7	9-30	42	1	55.1	48.2	51.7
MPride/MPV 3903nRR	3, 4, 7	9-28	40	1	54.7	59.6	57.2
NuTech NT-3999+ RR/SCN	3, 4	9-27	42	1	54.7	55.4	55.1
NuTech NT-3737 RR/SCN	None	9-26	42	1	54.5	58.2	56.4
DEKALB DKB38-52	3, 7	9-29	40	1	54.4	58.8	56.6
Prairie Brand PB-3585NRR	None	9-23	39	2	53.6	--	--
Garst 3824RR/N	5	9-27	41	1	53.5	58.0	55.8
Pioneer 93M90	3, 7	9-28	44	1	52.9	--	--
ASGROW AG3203	3, 7	9-24	35	1	52.7	--	--
Golden Harvest H-3945RR	None	9-28	40	1	50.4	--	--
NuTech NT-3636 RR/SCN	None	9-24	37	1	49.9	--	--
GROUP 3 AVERAGE		9-27	42	1	60.0	58.7	59.4
L.S.D. AT .10					5.0	5.6	
C.V. %					5.9	6.8	

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
MATURITY GROUP 4							
Kruger K-403RR/SCN	5	9-29	39	1	62.1**	--	--
Mersch. Dallas RR	9	10-02	49	2	60.6*	56.1	58.4
Mersch. Rocky RR	9	10-03	43	3	58.9*	58.3	58.6
Kruger K-404RR	5	9-30	41	1	58.4*	64.3**	61.4
Kruger K-433RR/SCN	5	10-04	48	1	58.3*	--	--
Stine 4102-4	None	10-01	41	1	58.3*	60.2	59.3
MFA Morsoy RT 4201N	5	10-01	40	1	57.8*	60.2	59.0
MFA Morsoy RT 4124N	5	9-30	50	1	57.8*	56.6	57.2
Mersch. Phoenix IIIR	9	9-29	38	1	57.4*	59.8	58.6
Kruger K-411RR/SCN	5	10-03	50	1	56.4*	--	--
Mersch. Austin 643RR	None	10-04	43	1	56.0	--	--
Prairie Brand PB-4023NRR	None	10-05	50	2	55.5	58.9	57.2
Kruger K-410RR/SCN	5	10-02	42	1	55.1	--	--
Crow's C4142R	None	10-01	43	2	54.8	--	--
Vigoro V40N3RR	2	9-30	41	1	54.6	--	--
Pioneer 94M30	2, 4	10-02	44	1	53.2	--	--
MFA Morsoy RT 4225N	5	10-03	43	2	52.3	--	--
Croplan Genetics RC4095	4, 7	9-28	44	1	51.2	--	--
Renze R4486RRcn	None	10-04	52	1	50.4	--	--
Mersch. Memphis 642RR	None	10-03	53	3	49.7	--	--
MPride/MPV 4404nRR	3, 4, 7	10-04	53	2	49.2	--	--
Excel 8430NNRR	4	10-04	49	1	48.7	--	--
GROUP 4 AVERAGE		10-01	45	1	55.3	56.5	55.9
L.S.D. AT .10					5.8	3.8	
C.V. %					7.0	4.5	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 3. Glyphosate Resistant Soybean Test
 North Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.3; OM=3.0%; P=51; K=293

Cyst Nematode Population at Planting: 2488 Eggs/250cc of Soil

Rainfall: May=1.4, June=5.8, July=4.2, Aug.=2.0, Sept.=1.5 Total=14.9 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
Kruger K-397RR/SCN	5	9-17	44	1	64.5**	--	--
Kruger K-355RR/SCN	5	9-12	37	1	63.5*	62.3	62.9
Garst 3512RR/N	5	9-17	39	1	63.1*	--	--
Taylor 353RR	None	9-18	38	1	62.3*	--	--
Kruger K-333RR/SCN	5	9-08	37	1	61.8*	--	--
NuTech NT-3777+ RR	3, 4	9-16	40	1	61.7*	61.3	61.5
Bio Gene BG3806RN	8	9-18	41	1	61.6*	--	--
Stine 3532-4	None	9-18	35	1	61.6*	58.1	59.9
Dyna-Gro 35D33	5	9-14	42	1	61.4*	64.0	62.7
Kruger K-340RR	5	9-09	37	1	61.2*	--	--
DEKALB DKB31-51	3, 7	9-11	39	1	61.0*	--	--
Stine 3600-4	None	9-17	38	1	60.9*	64.6*	62.8
Willcross RR2385NSTS	-	9-17	39	1	60.8*	56.5	58.7
Midland MG 9A385NRS	None	9-16	37	1	60.6*	61.6	61.1
Dyna-Gro SX05138	5	9-16	39	1	60.6*	--	--
MFA Morsoy RT 3805	5	9-18	38	1	60.4*	--	--
NuTech NT-3777 RR	None	9-17	37	1	60.4*	--	--
Willcross RR2386NX2	-	9-17	38	1	60.3*	--	--
Midland MG 3816NRS	None	9-17	41	1	60.2*	--	--
Kruger K-399RR/SCN	5	9-16	44	1	60.2*	--	--
Willcross RR2335N	-	9-17	41	1	60.0	63.2	61.6
ASGROW AG3505	3, 7	9-16	39	1	59.7	--	--
Kruger K-389RR/SCN	5	9-18	39	1	59.7	66.9*	63.3
Dyna-Gro 37K32	5	9-08	40	1	59.6	--	--
MFA Morsoy RT 3644N	5	9-17	41	1	59.6	67.7*	63.7
Excel 8343NNRR	4	9-17	46	1	59.5	--	--
NuTech NT-3666+ RR/SCN	3, 4	9-15	39	1	59.1	--	--
NuTech NT-3999+ RR/SCN	3, 4	9-16	39	1	59.1	66.1*	62.6
MPride/MPV 3803nRR	3, 4, 7	9-17	36	1	58.8	--	--
Prairie Brand PB-3785NRR	None	9-17	39	1	58.8	--	--
Kruger K-373RR/SCN	5	9-14	42	1	58.8	--	--
Vigoro V39N4RR	2	9-17	38	1	58.8	64.1*	61.5
MFA Morsoy RT 3105N	5	9-08	37	1	58.7	--	--
Pioneer 93M50	2, 4	9-12	42	1	58.7	57.3	58.0
Lewis 3875	1, 8	9-17	39	1	58.7	60.5	59.6
Renze R3726RR	None	9-17	41	1	58.4	--	--
NuTech NT-3515 RR/SCN	None	9-17	42	1	58.3	--	--
Mersch.Washington IXRR	9	9-16	40	1	58.2	64.0	61.1
DEKALB DKB36-52	3, 7	9-17	41	1	58.1	68.7*	63.4
Lewis 3515	1, 8	9-16	39	1	58.1	--	--
Renze R3835SRcn	None	9-17	39	1	57.9	--	--
Dyna-Gro 32C38	5	9-17	41	1	57.9	--	--
NuTech NT-3666 RR/SCN	None	9-18	43	1	57.8	--	--
Vigoro V35N6RR	2	9-17	43	1	57.7	--	--
MPride/MPV 3605nRR	3, 4, 7	9-17	41	1	57.6	68.1*	62.9

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
ASGROW AG3602	3, 7	9-18	42	1	57.6	68.7*	63.2
Prairie Brand PB-3894NRR	None	9-17	36	1	57.6	60.7	59.2
ASGROW AG3802	3, 7	9-18	46	1	57.3	63.9	60.6
Kruger K-349RR	5	9-09	37	1	57.2	62.6	59.9
Pioneer 93M90	3, 7	9-17	44	1	57.1	--	--
Dyna-Gro 33A37	5	9-17	39	1	57.0	63.9	60.5
LG Seeds C3851RR	None	9-17	41	1	57.0	--	--
MFA Morsoy RT 3304N	5	9-17	42	1	56.9	62.9	59.9
LG Seeds C3777NRR	None	9-18	42	1	56.9	--	--
MPride/MPV 3805nRR	3, 4, 7	9-17	40	1	56.8	61.9	59.4
Vigoro V38N5RS	2	--	39	1	56.7	60.7	58.7
NuTech NT-3101+ RR	3, 4	9-07	42	1	56.7	--	--
Willcross RR2355N	-	9-18	40	1	56.7	66.7*	61.7
Lewis 3716	1, 8	9-16	42	1	56.7	--	--
Prairie Brand PB-3905RR	None	9-18	39	1	56.6	--	--
Willcross RR2386	-	9-17	46	1	56.6	--	--
NuTech NT-3737 RR/SCN	None	9-18	38	1	56.4	63.5	60.0
NuTech NT-3839+ RR	3, 4	9-17	37	1	56.4	--	--
Pioneer 93M11	3, 7	9-07	35	1	56.3	--	--
MFA Morsoy RT 3804N	5	9-17	39	1	56.3	68.0*	62.2
Excel 8357NNRR	4	9-17	43	1	56.2	--	--
Kruger K-341RR/SCN	5	9-10	37	1	56.1	--	--
Kruger K-370RR/SCN	5	9-17	43	1	55.5	--	--
Garst 3624RR/N	5	9-17	40	1	55.5	59.5	57.5
Crow's C3817R	None	9-19	39	1	55.4	--	--
Golden Harvest H-3631RR	None	9-18	39	1	55.4	--	--
Garst 3824RR/N	5	9-17	41	1	55.2	61.2	58.2
ASGROW AG3203	3, 7	9-07	36	1	55.2	--	--
Prairie Brand PB-3585NRR	None	9-12	39	1	54.9	--	--
Midland MG 3826NRR	None	9-12	48	1	54.8	--	--
Midwest Seed Gen. GR3832	None	9-17	37	1	54.7	--	--
NuTech NT-3500 RR	None	9-17	41	1	54.7	--	--
Mersch. Kennedy 538RR	9	9-17	40	1	54.6	61.7	58.2
Golden Harvest H-3606RR	3, 7	9-16	39	1	54.4	--	--
MFA Morsoy RT 3665N	5	9-18	39	1	54.2	--	--
Kruger K-330RR	5	9-16	36	1	54.0	--	--
Croplan Genetics RT3555	None	9-16	42	1	53.8	--	--
DEKALB DKB38-52	3, 7	9-17	42	1	53.6	65.2*	59.4
Golden Harvest H-3945RR	None	9-17	41	1	53.3	--	--
Midland MG 9A373NRR	None	9-18	39	1	53.3	62.7	58.0
NuTech NT-3737+RR/SCN	3, 4	9-16	40	1	53.2	64.4*	58.8
ASGROW AG3905	3, 7	9-20	39	1	53.2	--	--
Renze R3996RRcn	None	9-19	46	1	52.8	--	--
MPride/MPV 3903nRR	3, 4, 7	9-16	39	1	52.7	67.3*	60.0
Renze R3814RR	None	9-17	37	1	52.7	67.9*	60.3
NuTech NT-3636 RR/SCN	None	9-14	39	1	52.5	--	--
NuTech NT-3636+ RR/SCN	3, 4	9-09	36	11	50.3	--	--
GROUP 3 AVERAGE		9-14	40	1	57.6	62.9	60.3
L.S.D. AT .10					4.4	5.3	
C.V. %					5.4	6.1	

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
MFA Morsoy RT 4124N	5	9-19	37	1	59.2**	67.4*	63.3
Excel 8430NNRR	4	9-20	37	1	58.0*	--	--
Kruger K-411RR/SCN	5	9-19	37	1	57.3*	--	--
MFA Morsoy RT 4225N	5	9-21	46	1	57.2*	--	--
Kruger K-404RR	5	9-20	39	1	56.1*	68.2*	62.2
MFA Morsoy RT 4201N	5	9-19	39	1	55.3	60.4	57.9
Crow's C4142R	None	9-20	39	1	55.0	--	--
Pioneer 94M30	2, 4	9-20	43	1	54.9	--	--
Mersch. Phoenix III RR	9	9-20	40	1	54.2	60.2	57.2
Kruger K-403RR/SCN	5	9-29	50	1	54.2	--	--
Mersch. Memphis 642RR	None	9-29	50	1	54.1	--	--
Kruger K-433RR/SCN	5	9-20	42	1	54.0	--	--
MPride/MPV 4404nRR	3, 4, 7	9-22	42	1	53.9	--	--
Croplan Genetics RC4095	4, 7	9-20	43	1	53.3	--	--
Mersch. Rocky RR	9	9-29	52	1	53.0	68.4**	60.7
Kruger K-410RR/SCN	5	9-20	40	1	52.9	--	--
Mersch. Austin 643RR	None	9-21	45	1	52.8	--	--
Vigoro V40N3RR	2	9-20	39	1	52.4	--	--
Renze R4486RRcn	None	9-20	44	1	51.9	--	--
Stine 4102-4	None	9-22	38	1	50.9	58.3	54.6
Prairie Brand PB-4023NRR	None	9-20	39	1	50.5	61.9	56.2
Mersch. Dallas RR	9	9-19	42	1	50.4	63.5*	57.0
GROUP 4 AVERAGE		9-20	42	1	54.2	60.5	57.4
L.S.D. AT .10					3.3	5.9	
C.V. %					4.2	7.1	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 4. **Glyphosate Resistant Soybean Test**

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=5.5; OM=2.4%; P=26; K=320

Cyst Nematode Population at Planting: 655 Eggs/250cc of Soil

Rainfall: May=3.1, June=6.8, July=0.7, Aug.=3.7, Sept.=2.4 Total=16.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
MFA Morsoy RT 3804N	5	9-23	30	1	60.7**	57.4	59.1
Kruger K-397RR/SCN	5	9-24	34	1	58.8*	--	--
Crow's C3817R	None	9-23	30	1	58.4*	--	--
MPride/MPV 3903nRR	3, 4, 7	9-23	35	1	58.4*	61.2*	59.8
Dyna-Gro 33A37	5	9-22	33	1	58.2*	52.4	55.3
Garst 3824RR/N	5	9-20	33	1	58.2*	52.5	55.4
Kruger K-389RR/SCN	5	9-22	31	1	58.0*	54.3	56.2
Kruger K-370RR/SCN	5	9-20	30	1	57.4*	--	--
MPride/MPV 3605nRR	3, 4, 7	9-23	34	1	56.8*	65.1*	61.0
Midland MG 9A373NRR	None	9-23	32	1	56.8*	56.5	56.7
Midland MG 3816NRS	None	9-22	33	1	56.7*	--	--
Dyna-Gro 32C38	5	9-25	32	1	56.6*	--	--
Willcross RR2385NSTS	-	9-26	30	1	56.6*	51.2	53.9
Renze R3835SRcn	None	9-23	32	1	56.4	--	--
Prairie Brand PB-3894NRR	None	9-25	30	1	56.1	57.3	56.7
NuTech NT-3737+RR/SCN	3, 4	9-21	27	1	56.1	56.5	56.3
Excel 8357NNRR	4	9-17	35	1	56.0	--	--
MFA Morsoy RT 3665N	5	9-23	32	1	55.8	--	--
Kruger K-399RR/SCN	5	9-19	33	1	55.8	--	--
MFA Morsoy RT 3304N	5	9-19	36	1	55.7	58.1	56.9
Vigoro V35N6RR	2	9-16	35	1	55.6	--	--
Dyna-Gro 35D33	5	9-21	35	1	55.5	54.8	55.2
Excel 8343NNRR	4	9-19	36	1	55.5	--	--
Vigoro V39N4RR	2	9-29	31	1	55.3	60.8*	58.1
MFA Morsoy RT 3105N	5	9-18	31	1	55.3	--	--
Lewis 3716	1, 8	9-24	30	1	55.2	--	--
ASGROW AG3602	3, 7	9-24	36	1	55.2	62.2*	58.7
Renze R3996RRcn	None	9-30	37	1	55.1	--	--
NuTech NT-3666 RR/SCN	None	9-24	33	1	55.1	--	--
MPride/MPV 3805nRR	3, 4, 7	9-26	29	1	55.0	56.1	55.6
Willcross RR2335N	-	9-19	33	1	55.0	54.4	54.7
MFA Morsoy RT 3644N	5	9-28	33	1	55.0	65.3*	60.2
Midwest Seed Gen. GR3832	None	9-24	27	1	54.9	--	--
LG Seeds C3777NRR	None	9-21	34	1	54.8	--	--
NuTech NT-3999+ RR/SCN	3, 4	9-22	34	1	54.7	55.8	55.3
MFA Morsoy RT 3805	5	9-26	31	1	54.6	--	--
NuTech NT-3666+ RR/SCN	3, 4	9-25	30	1	54.5	--	--
NuTech NT-3515 RR/SCN	None	9-18	35	1	54.3	--	--
DEKALB DKB36-52	3, 7	9-22	34	1	54.3	69.3**	61.8
NuTech NT-3737 RR/SCN	None	9-19	31	1	54.3	56.7	55.5
Kruger K-355RR/SCN	5	9-22	33	1	54.2	60.2	57.2
Midland MG 9A385NRS	None	9-26	31	1	54.0	64.3*	59.2
Mersch. Washington IXRR	9	9-25	30	1	53.6	57.0	55.3
Golden Harvest H-3945RR	None	9-20	33	1	53.6	--	--
Garst 3512RR/N	5	9-22	31	1	53.5	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
ASGROW AG3505	3, 7	9-19	30	1	53.5	--	--
Vigoro V38N5RS	2	9-24	31	1	53.3	58.6	56.0
ASGROW AG3802	3, 7	9-25	38	1	53.2	58.0	55.6
Kruger K-333RR/SCN	5	9-22	30	1	53.2	--	--
Golden Harvest H-3606RR	3, 7	9-20	33	1	53.1	--	--
Willcross RR2386	-	9-20	40	1	53.0	--	--
Garst 3624RR/N	5	9-22	28	1	53.0	55.0	54.0
Taylor 353RR	None	9-25	27	1	53.0	--	--
ASGROW AG3905	3, 7	9-26	34	1	52.9	--	--
Pioneer 93M50	2, 4	9-16	37	1	52.8	57.8	55.3
Stine 3532-4	None	9-23	32	1	52.6	58.5	55.6
Prairie Brand PB-3585NRR	None	9-18	30	1	52.5	--	--
Willcross RR2355N	-	9-25	33	1	52.5	59.9	56.2
Pioneer 93M90	3, 7	9-22	34	1	52.4	--	--
Kruger K-340RR	5	9-17	29	1	52.4	--	--
Midland MG 3826NRR	None	9-20	35	1	52.3	--	--
Stine 3600-4	None	9-29	30	1	52.0	65.4*	58.7
Prairie Brand PB-3785NRR	None	9-22	33	1	51.9	--	--
Kruger K-373RR/SCN	5	9-16	37	1	51.8	--	--
Kruger K-349RR	5	9-18	32	1	51.7	54.9	53.3
DEKALB DKB38-52	3, 7	9-23	23	1	51.7	54.3	53.0
MPride/MPV 3803nRR	3, 4, 7	10-01	30	1	51.3	--	--
DEKALB DKB31-51	3, 7	9-19	29	1	50.9	--	--
NuTech NT-3777+ RR	3, 4	9-24	30	1	50.9	63.1*	57.0
Kruger K-341RR/SCN	5	9-15	28	1	50.9	--	--
NuTech NT-3636+ RR/SCN	3, 4	9-14	28	1	50.7	--	--
Bio Gene BG3806RN	8	9-28	30	1	50.7	--	--
Mersch. Kennedy 538RR	9	10-01	30	1	50.4	59.1	54.8
NuTech NT-3636 RR/SCN	None	9-18	29	1	50.2	--	--
ASGROW AG3203	3, 7	9-13	31	1	50.2	--	--
LG Seeds C3851RR	None	9-28	30	1	50.0	--	--
Dyna-Gro SX05138	5	9-23	30	1	50.0	--	--
Lewis 3515	1, 8	9-17	30	1	49.8	--	--
Willcross RR2386NX2	-	9-24	27	1	49.5	--	--
NuTech NT-3101+ RR	3, 4	9-20	35	1	49.4	--	--
Lewis 3875	1, 8	9-28	32	1	49.4	58.7	54.1
NuTech NT-3777 RR	None	10-01	30	1	49.3	--	--
NuTech NT-3500 RR	None	9-21	35	1	49.1	--	--
Croplan Genetics RT3555	None	9-25	31	1	48.9	--	--
Golden Harvest H-3631RR	None	9-27	29	1	48.8	--	--
Kruger K-330RR	5	9-25	28	1	48.8	--	--
Renze R3814RR	None	10-01	29	1	48.1	67.6*	57.9
NuTech NT-3839+ RR	3, 4	9-29	28	1	48.0	--	--
Prairie Brand PB-3905RR	None	9-27	28	1	47.7	--	--
Pioneer 93M11	3, 7	9-20	31	1	46.1	--	--
Renze R3726RR	None	9-25	28	1	45.4	--	--
Dyna-Gro 37K32	5	9-19	30	1	45.2	--	--
GROUP 3 AVERAGE		9-22	32	1	53.2	56.4	54.8
L.S.D. AT .10					4.2	8.9	
C.V. %					5.5	11.2	

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Prairie Brand PB-4023NRR	None	10-01	38	1	62.4**	61.7*	62.1
Kruger K-433RR/SCN	5	9-30	35	1	56.6	--	--
Renze R4486RRcn	None	9-29	36	1	56.4	--	--
Pioneer 94M30	2, 4	9-29	29	1	55.9	--	--
Mersch. Memphis 642RR	None	10-01	38	1	55.8	--	--
MFA Morsoy RT 4225N	5	10-02	30	1	55.6	--	--
Excel 8430NRR	4	9-30	34	1	53.9	--	--
MFA Morsoy RT 4124N	5	9-26	36	1	53.8	52.8	53.3
MPride/MPV 4404nRR	3, 4, 7	10-02	33	1	53.0	--	--
Croplan Genetics RC4095	4, 7	9-28	38	1	53.0	--	--
Mersch. Rocky RR	9	10-02	36	1	52.9	65.5**	59.2
Crow's C4142R	None	9-30	32	1	52.8	--	--
Kruger K-404RR	5	10-02	26	1	52.3	64.5*	58.4
MFA Morsoy RT 4201N	5	9-30	27	1	51.9	60.4*	56.2
Kruger K-411RR/SCN	5	10-02	32	1	51.7	--	--
Mersch. Austin 643RR	None	10-02	27	1	51.1	--	--
Mersch. Phoenix IIIR	9	10-01	28	1	50.9	61.0*	56.0
Mersch. Dallas RR	9	10-02	31	1	50.8	62.9*	56.9
Stine 4102-4	None	10-02	28	1	50.8	59.8*	55.3
Kruger K-410RR/SCN	5	9-29	26	1	49.5	--	--
Kruger K-403RR/SCN	5	9-29	33	1	48.4	--	--
Vigoro V40N3RR	2	9-30	26	1	47.2	--	--
GROUP 4 AVERAGE		9-29	32	1	53.0	57.4	55.2
L.S.D. AT .10					4.0	9.6	
C.V. %					5.0	11.6	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 5. **Glyphosate Resistant Soybean Test**

North Region: Macon, MO (Macon County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.5; OM=1.5 %; P=60; K=168

Cyst Nematode Population at Planting: 1,358 Eggs/250cc of Soil

Rainfall: May=1.8, June=7.2, July=2.8, Aug.=4.6, Sept.=2.1 Total=18.5 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Prairie Brand PB-3894NRR	None	9-19	22	1	54.1**	--	--
Kruger K-397RR/SCN	5	9-18	26	1	52.9*	34.8	43.9
MPride/MPV 3903nRR	3, 4, 7	9-16	20	1	52.6*	42.8*	47.7
Midland MG 3816NRS	None	9-18	25	1	51.5*	--	--
Willcross RR2385NSTS	-	9-19	24	1	51.5*	--	--
Kruger K-389RR/SCN	5	9-19	23	1	51.3*	--	--
NuTech NT-3737+RR/SCN	3, 4	9-19	24	1	51.0*	--	--
Midland MG 9A373NRR	None	9-19	22	1	51.0*	--	--
Midland MG 9A385NRS	None	9-20	24	1	50.8*	--	--
Dyna-Gro 32C38	5	9-19	23	1	50.7*	--	--
Prairie Brand PB-3785NRR	None	9-18	25	1	50.5*	--	--
Lewis 3716	1, 8	9-19	24	1	50.1*	--	--
MFA Morsoy RT 3804N	5	9-20	21	1	49.6*	--	--
Vigoro V38N5RS	2	9-19	23	1	49.4*	--	--
Kruger K-399RR/SCN	5	9-17	25	1	49.4*	--	--
MFA Morsoy RT 3644N	5	9-19	19	1	49.3*	--	--
Midwest Seed Gen. GR3832	None	9-20	22	1	49.1*	--	--
Willcross RR2386	-	9-19	28	1	49.1*	--	--
MPride/MPV 3805nRR	3, 4, 7	9-20	23	1	48.9*	--	--
ASGROW AG3905	3, 7	9-20	26	1	48.9*	35.6	42.3
Crow's C3817R	None	9-20	22	1	48.8	--	--
Garst 3824RR/N	5	9-19	24	1	48.5	40.3	44.4
Kruger K-373RR/SCN	5	9-18	28	1	48.2	--	--
DEKALB DKB38-52	3, 7	9-18	24	1	48.0	41.6*	44.8
NuTech NT-3666+ RR/SCN	3, 4	9-19	24	1	47.7	--	--
Mersch. Kennedy 538RR	9	9-20	24	1	47.5	--	--
MFA Morsoy RT 3304N	5	9-16	24	1	47.1	--	--
Renze R3835SRcn	None	9-19	21	1	47.1	--	--
MPride/MPV 3605nRR	3, 4, 7	9-18	22	1	47.1	--	--
NuTech NT-3999+ RR/SCN	3, 4	9-19	24	1	47.0	--	--
Pioneer 93M90	3, 7	9-18	24	1	47.0	38.5	42.8
Garst 3624RR/N	5	9-18	22	1	46.9	--	--
DEKALB DKB36-52	3, 7	9-18	23	1	46.9	--	--
Pioneer 93M50	2, 4	9-13	27	1	46.9	--	--
Golden Harvest H-3945RR	None	9-18	24	1	46.8	--	--
NuTech NT-3737 RR/SCN	None	9-19	22	1	46.8	41.1*	44.0
Excel 8357NNRR	4	9-16	24	1	46.6	--	--
Renze R3996RRcn	None	9-25	26	1	46.5	--	--
ASGROW AG3802	3, 7	9-20	25	1	46.5	--	--
LG Seeds C3777NRR	None	9-17	25	1	46.4	--	--
Kruger K-370RR/SCN	5	9-17	22	1	46.3	--	--
ASGROW AG3505	3, 7	9-16	23	1	46.1	--	--
Vigoro V35N6RR	2	9-18	25	1	45.9	--	--
Lewis 3875	1, 8	9-17	24	1	45.8	36.9	41.4
Vigoro V39N4RR	2	9-19	24	1	45.4	40.0	42.7

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	2 Yr. Mean
				-----bu/acre-----			
Willcross RR2355N	-	9-19	23	1	45.3	--	--
Dyna-Gro 35D33	5	9-15	26	1	45.2	--	--
Stine 3532-4	None	9-15	25	1	45.0	--	--
Midland MG 3826NRR	None	9-20	25	1	44.9	--	--
Excel 8343NNRR	4	9-14	26	1	44.8	--	--
Dyna-Gro 33A37	5	9-15	23	1	44.7	37.6	41.2
MFA Morsoy RT 3105N	5	9-12	24	1	44.6	--	--
Garst 3512RR/N	5	9-15	26	1	44.2	--	--
Willcross RR2386NX2	-	9-19	24	1	44.0	--	--
NuTech NT-3515 RR/SCN	None	9-14	26	1	43.7	--	--
DEKALB DKB31-51	3, 7	9-14	22	1	43.7	--	--
Mersch.Washington IXRR	9	9-20	24	1	43.5	44.5*	44.0
Willcross RR2335N	-	9-14	24	1	43.5	--	--
Golden Harvest H-3606RR	3, 7	9-18	23	1	43.2	--	--
NuTech NT-3666 RR/SCN	None	9-17	25	1	43.0	--	--
Kruger K-355RR/SCN	5	9-13	24	1	42.9	41.1*	42.0
Prairie Brand PB-3585NRR	None	9-15	22	1	42.9	--	--
Stine 3600-4	None	9-20	24	1	42.7	--	--
Kruger K-340RR	5	9-14	25	1	42.5	--	--
ASGROW AG3602	3, 7	9-15	21	1	42.4	--	--
Bio Gene BG3806RN	8	9-22	24	1	42.4	--	--
NuTech NT-3777 RR	None	9-21	24	1	42.2	--	--
ASGROW AG3203	3, 7	9-13	24	1	42.0	--	--
MFA Morsoy RT 3665N	5	9-18	20	1	41.8	--	--
Kruger K-333RR/SCN	5	9-12	25	1	41.8	--	--
NuTech NT-3101+ RR	3, 4	9-13	24	1	41.7	--	--
MPride/MPV 3803nRR	3, 4, 7	9-27	22	1	41.7	37.8	39.8
Lewis 3515	1, 8	9-16	23	1	41.6	--	--
Golden Harvest H-3631RR	None	9-24	21	1	41.4	--	--
NuTech NT-3500 RR	None	9-17	24	1	41.1	--	--
LG Seeds C3851RR	None	9-20	21	1	41.1	--	--
MFA Morsoy RT 3805	5	9-20	23	1	40.3	--	--
Taylor 353RR	None	9-20	20	1	40.3	--	--
Prairie Brand PB-3905RR	None	9-17	20	1	39.7	--	--
Kruger K-349RR	5	9-13	21	1	39.6	--	--
Kruger K-341RR/SCN	5	9-13	22	1	39.6	--	--
Croplan Genetics RT3555	None	9-14	21	1	39.5	--	--
Dyna-Gro SX05138	5	9-19	18	1	39.1	--	--
NuTech NT-3777+ RR	3, 4	9-19	18	1	38.9	--	--
NuTech NT-3636 RR/SCN	None	9-13	21	1	37.9	--	--
Dyna-Gro 37K32	5	9-13	25	1	37.7	--	--
NuTech NT-3636+ RR/SCN	3, 4	9-13	18	1	37.1	--	--
Renze R3726RR	None	9-19	20	1	36.6	--	--
Kruger K-330RR	5	9-14	22	1	36.5	--	--
NuTech NT-3839+ RR	3, 4	9-25	19	1	36.4	--	--
Pioneer 93M11	3, 7	9-12	21	1	35.2	--	--
Renze R3814RR	None	9-25	21	1	35.2	44.1*	39.7
GROUP 3 AVERAGE		9-17	23	1	44.9	38.6	41.8
L.S.D. AT .10					5.2	5.6	
C.V. %					8.3	10.2	

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	
MATURITY GROUP 4							
Excel 8430NNRR	4	9-25	25	1	50.3**	--	--
Croplan Genetics RC4095	4, 7	9-21	24	1	50.2*	--	--
Kruger K-433RR/SCN	5	9-25	27	1	50.2*	--	--
Renze R4486RRcn	None	9-25	28	1	49.7*	--	--
Mersch. Dallas RR	9	9-25	25	1	49.7*	44.2	47.0
Prairie Brand PB-4023NRR	None	9-23	27	1	49.4*	--	--
Mersch. Memphis 642RR	None	9-24	28	1	49.3*	--	--
Kruger K-411RR/SCN	5	9-24	26	1	48.9*	--	--
Mersch. Rocky RR	9	9-24	25	1	48.2*	--	--
Vigoro V40N3RR	2	9-23	19	1	46.6*	--	--
Crow's C4142R	None	9-23	24	1	46.0*	--	--
Mersch. Phoenix IIRR	9	9-24	22	1	46.0*	48.7*	47.4
Mersch. Austin 643RR	None	9-25	23	1	45.8*	--	--
MFA Morsoy RT 4225N	5	9-23	25	1	45.5	--	--
MFA Morsoy RT 4124N	5	9-19	25	1	44.0	--	--
Stine 4102-4	None	9-22	21	1	43.2	48.1*	45.7
Kruger K-410RR/SCN	5	9-24	22	1	42.4	--	--
Pioneer 94M30	2, 4	9-23	21	1	40.9	--	--
MFA Morsoy RT 4201N	5	9-24	20	1	39.2	46.9*	43.1
MPride/MPV 4404nRR	3, 4, 7	9-25	26	1	38.8	--	--
Kruger K-403RR/SCN	5	9-17	18	1	37.1	--	--
Kruger K-404RR	5	9-25	18	1	34.9	37.7	36.3
GROUP 4 AVERAGE		9-22	24	1	45.3	45.1	45.2
L.S.D. AT .10					4.5	5.4	
C.V. %					7.3	8.0	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 6. **Glyphosate Resistant Soybean Test**

North Region: LaGrange, MO (Lewis County)

Soil Type: Westerville Silt Loam Soil Test: pH=5.5; OM=2.0%; P=246; K=564

Cyst Nematode Population at Planting: 1348 Eggs/250cc of Soil

Rainfall: May=1.8, June=2.5, July=1.8, Aug.=3.8, Sept.=3.1 Total=13.0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
Pioneer 93M11	3, 7	9-21	27	1	72.6**	--	--
Dyna-Gro SX05138	5	9-25	31	1	68.6*	--	--
Pioneer 93M90	3, 7	9-17	31	1	68.6*	--	--
Stine 3532-4	None	9-16	31	1	67.4*	54.1	60.8
LG Seeds C3851RR	None	9-23	31	1	67.3*	--	--
NuTech NT-3777+ RR	3, 4	9-24	31	1	66.4*	55.6	61.0
Willcross RR2386	-	9-22	34	1	66.4*	--	--
Crow's C3817R	None	9-17	32	1	66.0*	--	--
Kruger K-340RR	5	9-20	31	1	65.2*	--	--
DEKALB DKB36-52	3, 7	9-21	31	1	64.6*	64.5**	64.6
NuTech NT-3666 RR/SCN	None	9-16	27	1	64.3*	--	--
Kruger K-333RR/SCN	5	9-19	30	1	64.2*	--	--
Renze R3996RRcn	None	9-22	38	3	64.2*	--	--
Prairie Brand PB-3894NRR	None	9-18	31	1	64.1*	54.6	59.4
MFA Morsoy RT 3644N	5	9-17	30	1	64.0*	60.8*	62.4
Willcross RR2355N	-	9-19	29	1	64.0*	60.5*	62.3
Excel 8343NNRR	4	9-13	36	2	64.0*	--	--
Renze R3726RR	None	9-25	24	1	63.6*	--	--
MPride/MPV 3803nRR	3, 4, 7	9-18	26	1	63.6*	--	--
ASGROW AG3802	3, 7	9-17	36	1	63.5*	46.2	54.9
Kruger K-370RR/SCN	5	9-17	28	1	63.4*	--	--
Kruger K-389RR/SCN	5	9-15	30	1	63.2*	56.7	60.0
Willcross RR2385NSTS	-	9-16	33	1	62.6	54.9	58.8
NuTech NT-3999+ RR/SCN	3, 4	9-15	36	1	62.2	53.7	58.0
NuTech NT-3666+ RR/SCN	3, 4	9-18	30	1	62.0	--	--
NuTech NT-3839+ RR	3, 4	9-20	30	1	62.0	--	--
Willcross RR2335N	-	9-17	34	1	61.6	59.1	60.4
ASGROW AG3203	3, 7	9-14	33	1	61.6	--	--
Prairie Brand PB-3785NRR	None	9-16	29	1	61.6	--	--
Kruger K-330RR	5	9-14	32	1	61.5	--	--
Excel 8357NNRR	4	9-17	30	1	61.5	--	--
Lewis 3716	1, 8	9-17	36	1	61.4	--	--
MFA Morsoy RT 3665N	5	9-18	33	2	61.4	--	--
Kruger K-349RR	5	9-13	31	1	61.3	44.5	52.9
Garst 3512RR/N	5	9-19	33	1	61.2	--	--
Prairie Brand PB-3905RR	None	9-20	33	1	61.2	--	--
Dyna-Gro 35D33	5	9-18	28	1	61.1	57.6	59.4
Kruger K-341RR/SCN	5	9-15	24	1	60.9	--	--
NuTech NT-3500 RR	None	9-15	34	1	60.8	--	--
NuTech NT-3636 RR/SCN	None	9-15	32	1	60.7	--	--
DEKALB DKB38-52	3, 7	9-14	34	1	60.7	54.3	57.5
NuTech NT-3101+ RR	3, 4	9-16	33	1	60.7	--	--
Kruger K-397RR/SCN	5	9-16	35	1	60.6	--	--
NuTech NT-3777 RR	None	9-21	34	1	60.1	--	--
Willcross RR2386NX2	-	9-19	34	1	59.8	--	--

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Pioneer 93M50	2, 4	9-17	36	1	59.6	58.1	58.9
Golden Harvest H-3945RR	None	9-15	35	1	59.6	--	--
Midland MG 3826NRR	None	9-15	38	1	59.5	--	--
ASGROW AG3505	3, 7	9-12	26	1	59.5	--	--
NuTech NT-3636+ RR/SCN	3, 4	9-15	30	1	59.4	--	--
Mersch. Washington IXRR	9	9-23	30	1	59.2	57.3	58.3
Bio Gene BG3806RN	8	9-25	30	1	59.2	--	--
MFA Morsoy RT 3105N	5	9-15	30	1	59.2	--	--
Croplan Genetics RT3555	None	9-20	28	1	59.0	--	--
Vigoro V38N5RS	2	9-18	31	1	58.8	56.4	57.6
Vigoro V39N4RR	2	9-23	27	1	58.7	57.2	58.0
Midland MG 9A385NRS	None	9-18	27	1	58.6	53.6	56.1
Renze R3835SRcn	None	9-20	30	1	58.4	--	--
NuTech NT-3737 RR/SCN	None	9-16	31	1	58.4	56.0	57.2
Kruger K-355RR/SCN	5	9-16	31	1	58.2	55.5	56.9
Stine 3600-4	None	9-24	27	1	58.2	57.6	57.9
ASGROW AG3905	3, 7	9-20	38	2	57.6	--	--
MPride/MPV 3805nRR	3, 4, 7	9-16	32	1	57.2	52.7	55.0
Renze R3814RR	None	9-20	31	2	57.0	58.0	57.5
Midland MG 3816NRS	None	9-15	36	4	56.9	--	--
Taylor 353RR	None	9-26	31	1	56.8	--	--
Prairie Brand PB-3585NRR	None	9-16	32	1	56.8	--	--
Dyna-Gro 33A37	5	9-16	32	1	56.8	51.3	54.1
Vigoro V35N6RR	2	9-16	31	1	56.4	--	--
Golden Harvest H-3606RR	3, 7	9-16	35	1	55.8	--	--
MFA Morsoy RT 3805	5	9-24	24	1	55.8	--	--
Garst 3624RR/N	5	9-18	28	1	55.7	57.1	56.4
MFA Morsoy RT 3304N	5	9-18	31	1	55.5	59.9	57.7
Dyna-Gro 32C38	5	9-16	34	1	55.1	--	--
Midwest Seed Gen. GR3832	None	9-17	34	1	54.7	--	--
Kruger K-399RR/SCN	5	9-15	34	3	54.6	--	--
NuTech NT-3515 RR/SCN	None	9-16	31	2	54.6	--	--
Lewis 3515	1, 8	9-15	24	1	54.0	--	--
Mersch. Kennedy 538RR	9	9-19	34	1	54.0	61.8*	57.9
Golden Harvest H-3631RR	None	9-19	32	1	53.8	--	--
Lewis 3875	1, 8	9-20	30	1	53.4	59.8	56.6
MPride/MPV 3903nRR	3, 4, 7	9-17	32	1	53.3	53.8	53.6
MFA Morsoy RT 3804N	5	9-17	34	1	53.2	58.4	55.8
ASGROW AG3602	3, 7	9-16	32	1	53.1	62.8*	58.0
Midland MG 9A373NRR	None	9-16	30	1	53.0	49.9	51.5
DEKALB DKB31-51	3, 7	9-14	31	1	52.4	--	--
MPride/MPV 3605nRR	3, 4, 7	9-15	36	1	52.3	59.5	55.9
Kruger K-373RR/SCN	5	9-17	30	1	50.9	--	--
LG Seeds C3777NRR	None	9-17	38	2	50.7	--	--
Dyna-Gro 37K32	5	9-17	34	2	50.5	--	--
NuTech NT-3737+RR/SCN	3, 4	9-15	34	1	49.2	54.2	51.7
Garst 3824RR/N	5	9-16	35	2	48.0	53.7	50.9
GROUP 3 AVERAGE		9-17	32	1	59.5	54.2	56.9
L.S.D. AT .10					9.5	4.4	
C.V. %					9.6	5.7	

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
MFA Morsoy RT 4201N	5	9-24	38	1	69.6**	57.8*	63.7
Mersch. Phoenix III RR	9	9-25	35	2	68.4*	54.7	61.6
Excel 8430NNRR	4	9-24	46	3	68.2*	--	--
Mersch. Dallas RR	9	9-29	40	4	68.1*	51.8	60.0
MFA Morsoy RT 4225N	5	9-24	41	3	67.9*	--	--
Kruger K-433RR/SCN	5	9-26	41	3	66.9*	--	--
Vigoro V40N3RR	2	9-24	34	1	65.7*	--	--
Mersch. Austin 643RR	None	9-22	37	2	65.6*	--	--
Kruger K-403RR/SCN	5	9-20	36	1	65.3*	--	--
Renze R4486RRcn	None	9-25	47	3	65.2*	--	--
MFA Morsoy RT 4124N	5	9-23	50	3	64.9*	54.1	59.5
MPride/MPV 4404nRR	3, 4, 7	9-25	40	2	64.9*	--	--
Kruger K-410RR/SCN	5	9-23	37	3	63.9*	--	--
Stine 4102-4	None	9-23	36	2	63.7	61.7**	62.7
Mersch. Rocky RR	9	9-29	39	4	63.0	56.1	59.6
Pioneer 94M30	2, 4	9-23	38	2	62.6	--	--
Prairie Brand PB-4023NRR	None	9-27	45	4	62.6	54.1	58.4
Kruger K-411RR/SCN	5	9-26	37	3	61.5	--	--
Crow's C4142R	None	9-24	37	3	61.0	--	--
Mersch. Memphis 642RR	None	9-27	40	4	61.0	--	--
Kruger K-404RR	5	9-20	36	3	58.5	55.4	57.0
Croplan Genetics RC4095	4, 7	9-20	37	2	54.6	--	--
GROUP 4 AVERAGE		9-23	39	3	64.2	53.8	59.0
L.S.D. AT .10					5.7	5.0	
C.V. %					6.3	6.5	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 7. Performance Summary for Glyphosate Resistant Varieties evaluated at Five North Missouri locations (Craig, Albany, Mooresville, Macon, LaGrange) during 2005.

<u>Craig</u> Planted: 05-19 Harvested: 10-18 Growing Season Rainfall: 22.3 in.	<u>Albany</u> Planted: 05-09 Harvested: 10-07, 10-08 Growing Season Rainfall: 14.9 in.	<u>Mooresville</u> Planted: 05-18 Harvested: 10-12 Growing Season Rainfall: 16.7 in.
<u>Macon</u> Planted: 05-10 Harvested: 10-10 Growing Season Rainfall: 18.5 in.	<u>LaGrange</u> Planted: 05-09 Harvested: 10-10 Growing Season Rainfall: 13.0 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooresville	Macon	LaGrange	
MATURITY GROUP 3						
Kruger K-397RR/SCN	63.3*	64.5**	58.8*	52.9*	60.6	60.0**
Kruger K-389RR/SCN	61.6	59.7	58.0*	51.3*	63.2*	58.8*
MFA Morsoy RT 3644N	65.2*	59.6	55.0	49.3*	64.0*	58.6*
Crow's C3817R	62.2	55.4	58.4*	48.8	66.0*	58.2*
Stine 3532-4	64.0*	61.6*	52.6	45.0	67.4*	58.1*
Willcross RR2385NSTS	58.8	60.8*	56.6*	51.5*	62.6	58.0*
Prairie Brand PB-3785NRR	65.7*	58.8	51.9	50.5*	61.6	57.7*
Prairie Brand PB-3894NRR	56.6	57.6	56.1	54.1**	64.1*	57.7*
Kruger K-333RR/SCN	65.5*	61.8*	53.2	41.8	64.2*	57.3
Willcross RR2335N	66.0*	60.0	55.0	43.5	61.6	57.2
NuTech NT-3777+ RR	68.1**	61.7*	50.9	38.9	66.4*	57.2
Dyna-Gro 35D33	62.7	61.4*	55.5	45.2	61.1	57.2
Midland MG 3816NRS	60.5	60.2*	56.7*	51.5*	56.9	57.2
NuTech NT-3666+ RR/SCN	61.6	59.1	54.5	47.7	62.0	57.0
Dyna-Gro SX05138	66.6*	60.6*	50.0	39.1	68.6*	57.0
Excel 8343NNRR	60.9	59.5	55.5	44.8	64.0*	56.9
Kruger K-399RR/SCN	64.4*	60.2*	55.8	49.4*	54.6	56.9
DEKALB DKB36-52	60.5	58.1	54.3	46.9	64.6*	56.9
Lewis 3716	60.9	56.7	55.2	50.1*	61.4	56.9
NuTech NT-3666 RR/SCN	63.7*	57.8	55.1	43.0	64.3*	56.8
Garst 3512RR/N	61.3	63.1*	53.5	44.2	61.2	56.6
Midland MG 9A385NRS	58.9	60.6*	54.0	50.8*	58.6	56.6
Willcross RR2355N	63.5*	56.7	52.5	45.3	64.0*	56.4
Kruger K-355RR/SCN	62.6	63.5*	54.2	42.9	58.2	56.3
Willcross RR2386NX2	67.5*	60.3*	49.5	44.0	59.8	56.2
ASGROW AG3802	60.1	57.3	53.2	46.5	63.5*	56.1
Bio Gene BG3806RN	66.7*	61.6*	50.7	42.4	59.2	56.1
Willcross RR2386	55.4	56.6	53.0	49.1*	66.4*	56.1
Excel 8357NNRR	60.2	56.2	56.0	46.6	61.5	56.1
Kruger K-340RR	58.7	61.2*	52.4	42.5	65.2*	56.0
Renze R3996RRcn	61.4	52.8	55.1	46.5	64.2*	56.0
Dyna-Gro 32C38	59.5	57.9	56.6*	50.7*	55.1	56.0
Vigoro V39N4RR	61.4	58.8	55.3	45.4	58.7	55.9
Kruger K-370RR/SCN	57.0	55.5	57.4*	46.3	63.4*	55.9
NuTech NT-3777 RR	67.1*	60.4*	49.3	42.2	60.1	55.8
Taylor 353RR	66.5*	62.3*	53.0	40.3	56.8	55.8
MFA Morsoy RT 3804N	59.0	56.3	60.7**	49.6*	53.2	55.8
Renze R3835SRcn	58.8	57.9	56.4	47.1	58.4	55.7
Pioneer 93M90	52.9	57.1	52.4	47.0	68.6*	55.6
NuTech NT-3999+ RR/SCN	54.7	59.1	54.7	47.0	62.2	55.5

Table 7. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooresville	Macon	LaGrange	
ASGROW AG3505	58.9	59.7	53.5	46.1	59.5	55.5
LG Seeds C3851RR	62.2	57.0	50.0	41.1	67.3*	55.5
Vigoro V35N6RR	61.8	57.7	55.6	45.9	56.4	55.5
Stine 3600-4	63.4*	60.9*	52.0	42.7	58.2	55.4
MPride/MPV 3605nRR	63.4*	57.6	56.8*	47.1	52.3	55.4
MFA Morsoy RT 3805	66.0*	60.4*	54.6	40.3	55.8	55.4
Mersch. Washington IXRR	62.1	58.2	53.6	43.5	59.2	55.3
Midwest Seed Gen. GR3832	62.7	54.7	54.9	49.1*	54.7	55.2
MFA Morsoy RT 3304N	60.8	56.9	55.7	47.1	55.5	55.2
MFA Morsoy RT 3105N	58.2	58.7	55.3	44.6	59.2	55.2
Pioneer 93M50	57.5	58.7	52.8	46.9	59.6	55.1
MPride/MPV 3803nRR	59.4	58.8	51.3	41.7	63.6*	55.0
Dyna-Gro 33A37	57.5	57.0	58.2*	44.7	56.8	54.8
Vigoro V38N5RS	55.9	56.7	53.3	49.4*	58.8	54.8
Midland MG 9A373NRR	60.0	53.3	56.8*	51.0*	53.0	54.8
MPride/MPV 3805nRR	55.1	56.8	55.0	48.9*	57.2	54.6
ASGROW AG3905	59.8	53.2	52.9	48.9*	57.6	54.5
MPride/MPV 3903nRR	54.7	52.7	58.4*	52.6*	53.3	54.3
Prairie Brand PB-3905RR	66.0*	56.6	47.7	39.7	61.2	54.2
Midland MG 3826NRR	59.2	54.8	52.3	44.9	59.5	54.1
NuTech NT-3101+ RR	62.0	56.7	49.4	41.7	60.7	54.1
MFA Morsoy RT 3665N	57.2	54.2	55.8	41.8	61.4	54.1
NuTech NT-3737 RR/SCN	54.5	56.4	54.3	46.8	58.4	54.1
NuTech NT-3515 RR/SCN	59.1	58.3	54.3	43.7	54.6	54.0
Pioneer 93M11	59.7	56.3	46.1	35.2	72.6**	54.0
Kruger K-349RR	59.5	57.2	51.7	39.6	61.3	53.8
DEKALB DKB38-52	54.4	53.6	51.7	48.0	60.7	53.7
Garst 3624RR/N	57.0	55.5	53.0	46.9	55.7	53.6
NuTech NT-3737+RR/SCN	58.3	53.2	56.1	51.0*	49.2	53.6
ASGROW AG3602	59.5	57.6	55.2	42.4	53.1	53.6
Lewis 3875	59.9	58.7	49.4	45.8	53.4	53.4
DEKALB DKB31-51	58.7	61.0*	50.9	43.7	52.4	53.3
LG Seeds C3777NRR	57.3	56.9	54.8	46.4	50.7	53.2
Renze R3726RR	62.0	58.4	45.4	36.6	63.6*	53.2
NuTech NT-3500 RR	60.1	54.7	49.1	41.1	60.8	53.2
Kruger K-373RR/SCN	55.6	58.8	51.8	48.2	50.9	53.0
Mersch. Kennedy 538RR	58.7	54.6	50.4	47.5	54.0	53.0
Kruger K-330RR	62.9	54.0	48.8	36.5	61.5	52.7
Golden Harvest H-3945RR	50.4	53.3	53.6	46.8	59.6	52.7
Kruger K-341RR/SCN	56.1	56.1	50.9	39.6	60.9	52.7
Garst 3824RR/N	53.5	55.2	58.2*	48.5	48.0	52.7
Croplan Genetics RT3555	61.2	53.8	48.9	39.5	59.0	52.5
Golden Harvest H-3606RR	55.5	54.4	53.1	43.2	55.8	52.4
ASGROW AG3203	52.7	55.2	50.2	42.0	61.6	52.3
NuTech NT-3839+ RR	58.8	56.4	48.0	36.4	62.0	52.3
Prairie Brand PB-3585NRR	53.6	54.9	52.5	42.9	56.8	52.1
Lewis 3515	55.8	58.1	49.8	41.6	54.0	51.8
Golden Harvest H-3631RR	58.7	55.4	48.8	41.4	53.8	51.6
Dyna-Gro 37K32	63.2*	59.6	45.2	37.7	50.5	51.2
NuTech NT-3636+ RR/SCN	55.5	50.3	50.7	37.1	59.4	50.6
NuTech NT-3636 RR/SCN	49.9	52.5	50.2	37.9	60.7	50.2
Renze R3814RR	57.9	52.7	48.1	35.2	57.0	50.2
GROUP 3 AVERAGE	60.0	57.6	53.2	44.9	59.5	55.0
L.S.D. AT .10	5.0	4.4	4.2	5.2	9.5	2.5
C.V. %	5.9	5.4	5.5	8.3	9.6	6.9

Table 7. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Craig	Albany	Mooreville	Macon	LaGrange	Mean
MATURITY GROUP 4						
Kruger K-433RR/SCN	58.3*	54.0	56.6	50.2*	66.9*	57.2**
Prairie Brand PB-4023NRR	55.5	50.5	62.4**	49.4*	62.6	56.1*
MFA Morsoy RT 4124N	57.8*	59.2**	53.8	44.0	64.9*	55.9*
Mersch. Dallas RR	60.6*	50.4	50.8	49.7*	68.1*	55.9*
Excel 8430NRR	48.7	58.0*	53.9	50.3**	68.2*	55.8*
MFA Morsoy RT 4225N	52.3	57.2*	55.6	45.5	67.9*	55.7*
Mersch. Phoenix IIRR	57.4*	54.2	50.9	46.0*	68.4*	55.4*
Mersch. Rocky RR	58.9*	53.0	52.9	48.2*	63.0	55.2*
Kruger K-411RR/SCN	56.4*	57.3*	51.7	48.9*	61.5	55.2*
MFA Morsoy RT 4201N	57.8*	55.3	51.9	39.2	69.6**	54.8
Renze R4486RRcn	50.4	51.9	56.4	49.7*	65.2*	54.7
Mersch. Austin 643RR	56.0	52.8	51.1	45.8*	65.6*	54.2
Mersch. Memphis 642RR	49.7	54.1	55.8	49.3*	61.0	54.0
Crow's C4142R	54.8	55.0	52.8	46.0*	61.0	53.9
Pioneer 94M30	53.2	54.9	55.9	40.9	62.6	53.5
Kruger K-403RR/SCN	62.1**	54.2	48.4	37.1	65.3*	53.4
Stine 4102-4	58.3*	50.9	50.8	43.2	63.7	53.4
Vigoro V40N3RR	54.6	52.4	47.2	46.6*	65.7*	53.3
Kruger K-410RR/SCN	55.1	52.9	49.5	42.4	63.9*	52.8
Croplan Genetics RC4095	51.2	53.3	53.0	50.2*	54.6	52.4
Kruger K-404RR	58.4*	56.1*	52.3	34.9	58.5	52.0
MPride/MPV 4404nRR	49.2	53.9	53.0	38.8	64.9*	52.0
GROUP 4 AVERAGE	55.3	54.2	53.0	45.3	64.2	54.4
L.S.D. AT .10	5.8	3.3	4.0	4.5	5.7	2.1
C.V. %	7.0	4.2	5.0	7.3	6.3	6.0

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

Note: To view seed treatments for these varieties refer to the location table or the characteristics chart.

Central Region Crop Management Summary

There are five locations in the central region of Missouri for glyphosate resistant soybean tests. They are located in counties where a significant number of acres of soybean are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates ranged from May 6 to May 19 with soil conditions being good at all locations. Yields at the five central locations were good with little variability between locations. Spider mites were discovered at the Columbia, Truxton, and Annada sites this summer and Dimethoate was sprayed in late July to control them with a tractor mounted sprayer.

Climatological information for the growing season for Central Missouri (May 1 – September 30) is summarized below.

Average temperature = 72.8 degrees, 1.7 degrees above normal

Average precipitation = 17.3", 2.5" below normal

Table 8. Central Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide			Insecticide
			N	P ₂ O ₅	K ₂ O		Pre	Post		
<i>Glyphosate Resistant Soybean Tests</i>										
Henrietta	05-11	10-10	0	0	0	Min.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax		
Grand Pass	05-11, 05-19	10-11	0	0	0	Min.	Roundup WeatherMax	Roundup WeatherMax, Dual II Magnum, FirstRate		
Columbia	05-17, 05-18	10-07, 10-14	0	46	62	No-till	Dual II Magnum, FirstRate, Authority, Liberty	Roundup WeatherMax		Dimethoate
Truxton	05-06	10-12	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax		Dimethoate
Annada	05-09	10-03	0	0	0	Min.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax		Dimethoate

TABLE 9. **Glyphosate Resistant Soybean Test**

Central Region: Henrietta, MO (Ray County)

Soil Type: Haynie Silt Loam Soil Test: pH=6.0; OM=1.6%; P=60; K=636

Cyst Nematode Population at Planting: 1482 Eggs/250cc of Soil

Rainfall: May=3.7, June=10.8, July=3.0, Aug.=8.8, Sept.=3.2 Total=29.5 in.

Brand-Variety	Seed Treatment [†]	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
Pioneer 93M50	2, 4	9-12	44	2	64.3**	51.5	57.9
Dyna-Gro SX05138	5	9-15	43	2	61.1*	--	--
Mersch. Kennedy 538RR	9	9-21	37	1	60.1*	--	--
Dyna-Gro 32C38	5	9-18	37	2	59.7*	58.4*	59.1
MFA Morsoy RT 3805	5	9-21	42	1	59.6*	--	--
Prairie Brand PB-3894NRR	None	9-19	38	2	59.6*	--	--
Midland MG 9A385NRS	None	9-19	42	3	59.3*	54.9	57.1
MPride/MPV 3803nRR	3, 4, 7	9-25	40	2	59.3*	--	--
Garst 3824RR/N	5	9-19	43	2	59.3*	51.8	55.6
Kruger K-389RR/SCN	5	9-19	42	1	59.2*	55.3	57.3
MPride/MPV 3805nRR	3, 4, 7	9-18	40	4	58.8*	56.2	57.5
Midland MG 3826NRR	None	9-20	43	1	58.7*	--	--
Kruger K-373RR/SCN	5	9-19	45	3	58.7*	--	--
Dyna-Gro 33A37	5	9-15	38	1	58.5*	50.9	54.7
MFA Morsoy RT 3644N	5	9-17	46	3	58.5*	50.0	54.3
NuTech NT-3636+ RR/SCN	3, 4	9-15	38	1	58.2	--	--
MPride/MPV 3605nRR	3, 4, 7	9-20	42	1	57.9	--	--
ASGROW AG3602	3, 7	9-16	44	4	57.9	50.6	54.3
ASGROW AG3802	3, 7	9-19	48	1	57.8	59.8*	58.8
LG Seeds C3777NRR	None	9-18	44	4	57.8	--	--
NuTech NT-3666+ RR/SCN	3, 4	9-21	36	1	57.6	--	--
Garst 3512RR/N	5	9-15	39	2	57.6	--	--
Prairie Brand PB-3905RR	None	9-19	40	1	57.1	--	--
Garst 3624RR/N	5	9-13	43	2	56.7	45.3	51.0
ASGROW AG3905	3, 7	9-18	43	3	56.6	--	--
Lewis 3716	1, 8	9-18	43	3	56.5	--	--
Pioneer 93M90	3, 7	9-18	44	1	56.5	--	--
Bio Gene BG3806RN	8	9-19	41	1	56.5	--	--
NuTech NT-3777+ RR	3, 4	9-18	40	1	56.4	66.2**	61.3
Golden Harvest H-3945RR	None	9-17	38	1	55.4	--	--
MFA Morsoy RT 3804N	5	9-18	45	3	55.2	50.7	53.0
NC+ 3A84RR	None	9-24	43	3	55.1	--	--
NuTech NT-3839+ RR	3, 4	9-26	42	4	54.9	--	--
Stone HC 2385NRR	None	9-21	39	1	54.7	--	--
MFA Morsoy RT 3991N	5	9-18	42	2	54.5	53.3	53.9
MPride/MPV 3903nRR	3, 4, 7	9-16	43	1	54.5	49.7	52.1
Lewis 3706	1, 8	9-18	46	2	54.4	--	--
DEKALB DKB36-52	3, 7	9-12	44	3	53.7	59.0*	56.4
Golden Harvest H-3606RR	3, 7	9-18	42	1	53.4	--	--
NuTech NT-3909+ RR/SCN/ST	-	9-21	39	2	53.3	--	--
NC+ 3A92RR	None	9-20	40	1	52.9	--	--
Kruger K-399RR/SCN	5	9-16	40	3	52.6	--	--
DEKALB DKB38-52	3, 7	9-19	40	1	52.4	53.3	52.9
ASGROW AG3505	3, 7	9-17	40	2	52.1	--	--
Kruger K-370RR/SCN	5	9-20	39	1	51.9	--	--

TABLE 9. Continued.

Brand-Variety	Seed Treatment ⁺	Maturity Date	2005		Yield		2 Yr. Mean
			Plant Height (in)	Lodging Score	2005	2004	
Vigoro V39N4RR	2	9-19	38	1	51.9	61.4*	56.7
Midland MG 9A373NRR	None	9-14	41	1	50.2	42.7	46.5
Kruger K-397RR/SCN	5	9-13	45	3	49.4	--	--
Midland MG 3816NRS	None	9-17	43	3	48.0	--	--
Croplan Genetics RT3555	None	9-13	40	2	41.2	--	--
GROUP 3 AVERAGE		9-17	41	2	55.9	52.4	54.2
L.S.D. AT .10					5.9	9.3	
C.V. %					7.2	12.3	

MATURITY GROUP 4

Lewis 4010	1, 8	9-25	44	3	63.0**	--	--
MFA Morsoy RT 4114N	5	9-19	47	1	61.1*	54.9	58.0
DEKALB DKB42-51	3, 7	9-23	43	1	61.1*	--	--
MPride/MPV 4905nRR	3, 4, 7	9-28	45	4	61.0*	--	--
NC+ 4A14RR	None	9-21	48	2	60.0*	--	--
MFA Morsoy RT 4683N	5	9-28	42	4	58.2*	58.0*	58.1
MFA Morsoy RT 4480N	5	9-24	47	3	57.7*	62.1*	59.9
Bio Gene BG4406RN	8	9-25	51	3	57.3*	--	--
LG Seeds C4115NRR	None	9-22	47	4	57.2*	--	--
Kruger K-411RR/SCN	5	9-24	49	4	56.8*	--	--
Dyna-Gro 39G43	5	9-24	45	2	56.7*	--	--
Pioneer 94M80	3, 7	9-27	48	4	55.1*	--	--
Mersch. Memphis 642RR	None	9-25	49	4	55.0*	--	--
MFA Morsoy RT 4225N	5	9-26	48	4	54.6*	--	--
Mersch. Dallas RR	9	9-26	44	4	54.4*	53.0	53.7
Mersch. Austin 643RR	None	9-26	44	2	54.0*	--	--
Midwest Seed Gen. GR4154	None	9-25	44	4	54.0*	--	--
Kruger K-410RR/SCN	5	9-20	46	1	53.9*	--	--
Vigoro V42N3RR	2	9-24	40	1	53.7	63.7*	58.7
Bio Gene BG4305NRR	8	9-26	43	3	53.6	--	--
Pioneer 94M30	2, 4	9-25	43	5	53.6	--	--
Mersch. Rocky RR	9	9-26	46	4	53.0	50.8	51.9
ASGROW AG4404	3, 7	9-20	48	3	52.9	--	--
MPride/MPV 4404nRR	3, 4, 7	9-25	48	4	52.7	62.6*	57.7
MFA Morsoy RT 4345N	5	9-26	44	4	52.7	--	--
Prairie Brand PB-4023NRR	None	9-24	49	4	52.2	58.3*	55.3
Prairie Brand PB-4583NRR	None	9-22	40	2	52.1	--	--
Midwest Seed Gen. GR4454	None	9-25	47	2	51.8	--	--
Kruger K-403RR/SCN	5	9-20	39	1	51.5	--	--
Kruger K-433RR/SCN	5	9-22	47	5	51.5	--	--
Dyna-Gro 3443NRR	5	9-25	48	2	51.2	--	--
Golden Harvest H-4368RR	None	9-24	36	1	50.5	--	--
Vigoro V44N6RR	2	9-26	49	4	50.2	--	--
Kruger K-404RR	5	9-19	40	4	50.1	64.7*	57.4
Midland MG 9A402NRR	None	9-19	48	4	48.7	55.6*	52.2
MFA Morsoy RT 4485N	5	9-23	54	4	48.2	--	--
Prairie Brand PB-4394NRR	None	9-19	37	1	47.4	49.5	48.5
Stine 4102-4	None	9-21	40	2	45.2	--	--
MPride/MPV 4705nRR	3, 4, 7	9-19	49	3	45.0	41.6	43.3
MFA Morsoy RT 4201N	5	9-18	43	2	45.0	55.1	50.1

TABLE 9. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Mersch. Denver RRSTS	9	9-23	51	5	44.3	57.0*	50.7
Croplan Genetics RC4095	4, 7	9-20	44	5	44.1	--	--
Stine 4532-4	None	9-29	53	4	39.9	--	--
GROUP 4 AVERAGE		9-22	46	3	52.8	54.1	53.5
L.S.D. AT .10					9.2	10.0	
C.V. %					11.9	12.7	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 10. Glyphosate Resistant Soybean Test

Central Region: Grand Pass, MO (Saline County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.8; OM=1.6%; P=28; K=340

Cyst Nematode Population at Planting: 1812 Eggs/250cc of Soil

Rainfall: May=3.0, June=3.4, July=1.8, Aug.=7.5, Sept.=2.2 Total=17.9 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
ASGROW AG3602	3, 7	9-17	41	4	71.6**	59.7*	65.7
Stone HC 2385NRR	None	9-22	46	3	70.7*	--	--
MFA Morsoy RT 3805	5	9-23	46	3	69.1*	--	--
Prairie Brand PB-3905RR	None	9-18	43	2	68.9*	--	--
DEKALB DKB36-52	3, 7	9-19	43	3	68.5*	56.5	62.5
Lewis 3716	1, 8	9-23	40	4	67.9*	--	--
Dyna-Gro 33A37	5	9-18	46	3	67.1*	54.8	61.0
Dyna-Gro SX05138	5	9-21	47	3	66.9*	--	--
Bio Gene BG3806RN	8	9-19	48	2	66.2*	--	--
Pioneer 93M90	3, 7	9-19	45	3	65.6*	--	--
NuTech NT-3777+ RR	3, 4	9-23	45	3	65.0*	59.6*	62.3
Kruger K-399RR/SCN	5	9-17	43	5	64.1*	--	--
Golden Harvest H-3606RR	3, 7	9-17	40	4	64.0*	--	--
Garst 3512RR/N	5	9-22	38	4	63.8*	--	--
ASGROW AG3802	3, 7	9-19	44	4	63.5*	51.2	57.4
DEKALB DKB38-52	3, 7	9-22	47	3	63.2*	53.7	58.5
MPride/MPV 3605nRR	3, 4, 7	9-17	47	4	63.0*	--	--
Midland MG 3816NRS	None	9-19	43	5	62.6*	--	--
MFA Morsoy RT 3644N	5	9-22	39	5	62.5	52.7	57.6
NuTech NT-3666+ RR/SCN	3, 4	9-20	42	4	61.9	--	--
Prairie Brand PB-3894NRR	None	9-21	43	4	61.8	--	--
Lewis 3706	1, 8	9-19	42	4	61.7	--	--
Kruger K-370RR/SCN	5	9-19	44	2	61.2	--	--
Garst 3824RR/N	5	9-22	44	3	60.6	48.9	54.8
ASGROW AG3905	3, 7	9-24	43	3	60.3	--	--
Midland MG 3826NRR	None	9-19	47	3	60.1	--	--
MPride/MPV 3903nRR	3, 4, 7	9-23	45	4	59.6	49.6	54.6
Kruger K-389RR/SCN	5	9-19	42	3	57.9	47.6	52.8
Garst 3624RR/N	5	9-16	44	3	57.8	54.4	56.1
NuTech NT-3636+ RR/SCN	3, 4	9-15	37	3	57.7	--	--
Kruger K-373RR/SCN	5	9-20	44	4	57.4	--	--
Midland MG 9A373NRR	None	9-18	43	4	57.4	59.0*	58.2
Dyna-Gro 32C38	5	9-24	38	3	56.8	49.3	53.1
Mersch. Kennedy 538RR	9	9-19	36	4	55.9	--	--
MPride/MPV 3805nRR	3, 4, 7	9-21	41	4	53.9	48.9	51.4
MPride/MPV 3803nRR	3, 4, 7	9-21	38	5	53.8	--	--
Kruger K-397RR/SCN	5	9-18	41	5	53.7	--	--
NuTech NT-3909+ RR/SCN/ST	-	9-18	42	4	53.3	--	--
MFA Morsoy RT 3991N	5	9-18	43	3	53.3	47.3	50.3
ASGROW AG3505	3, 7	9-15	39	4	52.6	--	--
Pioneer 93M50	2, 4	9-15	43	4	52.5	58.4*	55.5
Vigoro V39N4RR	2	9-23	42	4	52.2	52.5	52.4
NC+ 3A92RR	None	9-24	43	2	52.1	--	--
Golden Harvest H-3945RR	None	9-23	40	2	51.3	--	--
NuTech NT-3839+ RR	3, 4	9-23	35	5	50.6	--	--

TABLE 10. Continued.

Brand-Variety	Seed Treatment ⁺	Maturity Date	2005		Yield		2 Yr. Mean
			Plant Height (in)	Lodging Score	2005	2004	
MFA Morsoy RT 3804N	5	9-18	43	4	50.1	49.6	49.9
Midland MG 9A385NRS	None	9-24	32	3	49.8	45.0	47.4
Croplan Genetics RT3555	None	9-13	44	5	49.8	--	--
LG Seeds C3777NRR	None	9-19	41	4	49.1	--	--
NC+ 3A84RR	None	9-25	38	3	48.3	--	--
GROUP 3 AVERAGE		9-19	42	4	59.4	52.9	56.2
L.S.D. AT .10					9.0	4.8	
C.V. %					10.8	6.3	

MATURITY GROUP 4

Mersch. Dallas RR	9	9-30	46	4	69.1**	51.1	60.1
Prairie Brand PB-4583NRR	None	9-30	38	2	66.1*	--	--
Mersch. Austin 643RR	None	9-27	44	3	65.7*	--	--
Midwest Seed Gen. GR4154	None	9-26	47	3	64.3*	--	--
Mersch. Memphis 642RR	None	9-28	50	4	63.4*	--	--
Bio Gene BG4305NRR	8	9-28	40	3	62.7*	--	--
Golden Harvest H-4368RR	None	9-27	38	1	62.5*	--	--
Kruger K-411RR/SCN	5	9-27	45	3	61.6*	--	--
MFA Morsoy RT 4480N	5	9-28	46	3	61.4*	59.4*	60.4
Croplan Genetics RC4095	4, 7	9-22	44	3	60.9*	--	--
Kruger K-403RR/SCN	5	9-24	43	3	60.9*	--	--
MFA Morsoy RT 4683N	5	9-27	43	3	60.3*	61.7*	61.0
Mersch. Denver RRSTS	9	10-01	48	4	60.1*	50.7	55.4
NC+ 4A14RR	None	9-26	42	1	60.0*	--	--
Kruger K-404RR	5	9-23	40	3	59.9*	62.1*	61.0
Stine 4532-4	None	9-29	53	4	59.8*	--	--
Lewis 4010	1, 8	9-27	47	2	59.5	--	--
MFA Morsoy RT 4114N	5	9-19	48	2	59.3	55.8	57.6
DEKALB DKB42-51	3, 7	9-29	44	2	58.9	--	--
Kruger K-410RR/SCN	5	9-24	43	3	58.6	--	--
Pioneer 94M80	3, 7	9-29	48	3	58.6	--	--
MFA Morsoy RT 4345N	5	9-27	42	4	58.3	--	--
MFA Morsoy RT 4201N	5	9-25	48	2	58.1	56.0	57.1
MPride/MPV 4905nRR	3, 4, 7	10-01	47	4	57.8	--	--
Prairie Brand PB-4023NRR	None	9-26	48	3	57.8	53.4	55.6
Midwest Seed Gen. GR4454	None	9-28	38	1	57.4	--	--
Bio Gene BG4406RN	8	9-29	48	3	56.8	--	--
Midland MG 9A402NRR	None	9-26	44	2	56.7	57.4	57.1
LG Seeds C4115NRR	None	9-29	45	4	56.7	--	--
ASGROW AG4404	3, 7	9-27	46	2	56.2	--	--
Prairie Brand PB-4394NRR	None	9-25	37	1	56.2	56.7	56.5
Pioneer 94M30	2, 4	9-27	44	4	55.7	--	--
Vigoro V44N6RR	2	9-27	42	3	55.2	--	--
Kruger K-433RR/SCN	5	9-24	52	4	54.2	--	--
MFA Morsoy RT 4485N	5	9-28	47	3	53.9	--	--
Dyna-Gro 3443NRR	5	9-29	50	4	53.8	--	--
MFA Morsoy RT 4225N	5	9-27	46	4	53.6	--	--
Vigoro V42N3RR	2	9-25	40	2	53.4	58.7*	56.1
MPride/MPV 4705nRR	3, 4, 7	9-27	48	3	53.3	53.2	53.3
Dyna-Gro 39G43	5	9-28	42	2	52.8	--	--

TABLE 10. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
MPride/MPV 4404nRR	3, 4, 7	9-27	48	4	50.7	55.7	53.2
Mersch. Rocky RR	9	9-28	45	3	50.2	63.8**	57.0
Stine 4102-4	None	9-26	42	3	44.8	--	--
GROUP 4 AVERAGE		9-26	45	3	58.1	55.2	56.7
L.S.D. AT .10					9.3	6.3	
C.V. %					11.3	8.1	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 11. Glyphosate Resistant Soybean Test

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.4; OM=1.2%; P=78; K=408

Cyst Nematode Population at Planting: 2808 Eggs/250cc of Soil

Rainfall: May=2.1, June=3.6, July=0.4, Aug.=8.8, Sept.=4.5 Total=19.4 in.

Irrigation: 2.9 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
Kruger K-389RR/SCN	5	9-28	25	1	65.6**	51.9	58.8
MFA Morsoy RT 3804N	5	9-25	22	1	64.4*	55.9*	60.2
Prairie Brand PB-3894NRR	None	9-25	20	1	63.0*	--	--
Dyna-Gro 32C38	5	9-26	23	1	61.5*	56.0*	58.8
MPride/MPV 3805nRR	3, 4, 7	9-27	20	1	60.6	52.2	56.4
Midland MG 9A385NRS	None	9-23	24	1	60.3	50.2	55.3
NuTech NT-3909+ RR/SCN/ST	-	9-27	21	1	60.1	--	--
MFA Morsoy RT 3644N	5	9-25	26	1	58.0	57.4*	57.7
Midland MG 9A373NRR	None	9-22	23	1	57.7	52.7	55.2
ASGROW AG3802	3, 7	9-24	31	1	57.3	54.4	55.9
Midland MG 3816NRS	None	9-22	22	1	56.4	--	--
NC+ 3A92RR	None	9-24	20	1	56.2	--	--
DEKALB DKB38-52	3, 7	9-24	24	1	55.5	49.9	52.7
Kruger K-399RR/SCN	5	9-23	21	1	55.4	--	--
MFA Morsoy RT 3991N	5	9-24	24	1	55.4	53.8	54.6
ASGROW AG3602	3, 7	9-23	20	1	55.0	56.3*	55.7
Garst 3824RR/N	5	9-23	19	1	54.8	50.8	52.8
DEKALB DKB36-52	3, 7	9-20	23	1	54.7	59.7**	57.2
ASGROW AG3905	3, 7	9-23	25	1	54.6	--	--
Dyna-Gro 33A37	5	9-23	25	1	54.5	54.6	54.6
Kruger K-397RR/SCN	5	9-23	21	1	54.0	--	--
Pioneer 93M90	3, 7	9-24	25	1	54.0	--	--
Bio Gene BG3806RN	8	9-22	24	1	53.7	--	--
MPride/MPV 3903nRR	3, 4, 7	9-22	23	1	53.6	54.0	53.8
Lewis 3716	1, 8	9-22	23	1	53.4	--	--
Stone HC 2385NRR	None	9-24	22	1	53.4	--	--
Garst 3624RR/N	5	9-24	24	1	53.4	53.7	53.6
Lewis 3706	1, 8	9-18	26	1	53.2	--	--
MPride/MPV 3803nRR	3, 4, 7	9-28	23	1	52.8	--	--
LG Seeds C3777NRR	None	9-17	26	1	52.8	--	--
Mersch. Kennedy 538RR	9	9-22	26	1	52.8	--	--
MPride/MPV 3605nRR	3, 4, 7	9-23	24	1	52.8	--	--
Vigoro V39N4RR	2	9-25	25	1	52.6	53.3	53.0
Kruger K-370RR/SCN	5	9-23	19	1	52.5	--	--
NuTech NT-3839+ RR	3, 4	9-28	20	1	52.4	--	--
Golden Harvest H-3606RR	3, 7	9-20	25	1	52.4	--	--
NC+ 3A84RR	None	9-26	18	1	51.8	--	--
Prairie Brand PB-3905RR	None	9-22	21	1	51.6	--	--
Dyna-Gro SX05138	5	9-23	23	1	51.3	--	--
ASGROW AG3505	3, 7	9-16	22	1	51.1	--	--
Pioneer 93M50	2, 4	9-15	23	1	50.8	52.8	51.8
Midland MG 3826NRR	None	9-23	26	1	50.7	--	--
Golden Harvest H-3945RR	None	9-22	22	1	50.5	--	--
NuTech NT-3666+ RR/SCN	3, 4	9-22	24	1	50.5	--	--
Garst 3512RR/N	5	9-17	25	1	50.1	--	--

TABLE 11. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Kruger K-373RR/SCN	5	9-21	24	1	49.7	--	--
MFA Morsoy RT 3805	5	9-24	25	1	49.4	--	--
NuTech NT-3777+ RR	3, 4	9-23	24	1	48.3	58.8*	53.6
NuTech NT-3636+ RR/SCN	3, 4	9-19	24	1	46.7	--	--
Croplan Genetics RT3555	None	9-18	23	1	45.4	--	--
GROUP 3 AVERAGE		9-22	23	1	54.2	53.5	53.9
L.S.D. AT .10					4.9	3.8	
C.V. %					6.1	5.0	

MATURITY GROUP 4

MFA Morsoy RT 4485N	5	9-27	30	1	73.6**	--	--
Kruger K-433RR/SCN	5	9-27	30	1	70.7*	--	--
Vigoro V44N6RR	2	9-26	29	1	68.1*	--	--
Mersch. Memphis 642RR	None	9-26	32	1	67.7*	--	--
Prairie Brand PB-4023NRR	None	9-27	34	1	67.6*	61.2	64.4
MFA Morsoy RT 4345N	5	9-26	28	1	65.8*	--	--
MFA Morsoy RT 4225N	5	9-25	30	1	65.3*	--	--
Bio Gene BG4406RN	8	9-28	35	1	64.1	--	--
Pioneer 94M80	3, 7	9-27	33	1	63.6	--	--
Lewis 4010	1, 8	9-27	28	1	63.4	--	--
MFA Morsoy RT 4480N	5	9-28	29	1	63.3	64.3	63.8
Kruger K-404RR	5	9-26	24	1	62.9	66.9*	64.9
MPride/MPV 4705nRR	3, 4, 7	9-27	27	1	62.3	68.3*	65.3
Midwest Seed Gen. GR4154	None	9-25	27	1	61.8	--	--
Mersch. Rocky RR	9	9-26	28	1	61.6	67.5*	64.6
MFA Morsoy RT 4114N	5	9-22	28	1	61.5	64.6	63.1
Midland MG 9A402NRR	None	9-28	27	1	61.4	62.7	62.1
Stine 4532-4	None	9-30	35	1	60.8	--	--
Mersch. Dallas RR	9	9-29	30	1	60.8	65.0	62.9
LG Seeds C4115NRR	None	9-23	28	1	60.8	--	--
NC+ 4A14RR	None	9-22	29	1	60.6	--	--
ASGROW AG4404	3, 7	9-26	28	1	60.1	--	--
Prairie Brand PB-4583NRR	None	9-29	22	1	59.4	--	--
Mersch. Denver RRSTS	9	9-27	29	1	59.2	62.6	60.9
Vigoro V42N3RR	2	9-27	25	1	58.7	62.7	60.7
Dyna-Gro 3443NRR	5	9-26	27	1	58.6	--	--
Kruger K-403RR/SCN	5	9-25	22	1	58.4	--	--
MPride/MPV 4404nRR	3, 4, 7	9-27	29	1	58.0	64.4	61.2
Pioneer 94M30	2, 4	9-27	28	1	57.7	--	--
DEKALB DKB42-51	3, 7	9-28	30	1	57.7	--	--
MFA Morsoy RT 4201N	5	9-27	20	1	57.6	63.0	60.3
Bio Gene BG4305NRR	8	9-22	24	1	57.4	--	--
Stine 4102-4	None	9-27	23	1	56.8	--	--
Mersch. Austin 643RR	None	9-27	23	1	56.8	--	--
MPride/MPV 4905nRR	3, 4, 7	9-28	32	1	56.6	--	--
Kruger K-411RR/SCN	5	9-27	30	1	56.6	--	--
Kruger K-410RR/SCN	5	9-26	20	1	56.3	--	--
Dyna-Gro 39G43	5	9-27	27	1	56.1	--	--
Midwest Seed Gen. GR4454	None	9-25	24	1	55.5	--	--
Croplan Genetics RC4095	4, 7	9-23	25	1	54.7	--	--

TABLE 11. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MFA Morsoy RT 4683N	5	9-24	24	1	53.5	61.9	57.7
Golden Harvest H-4368RR	None	9-24	20	1	52.5	--	--
Prairie Brand PB-4394NRR	None	9-21	24	1	51.3	54.4	52.9
GROUP 4 AVERAGE		9-25	27	1	60.4	62.0	61.2
L.S.D. AT .10					9.2	5.3	
C.V. %					10.5	5.9	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 12. Glyphosate Resistant Soybean Test

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.7; OM=2.7%; P=118; K=328

Cyst Nematode Population at Planting: 498 Eggs/250cc of Soil

Rainfall: May=1.7, June=3.0, July=1.1, Aug.=5.1, Sept.=3.3 Total=14.2 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
NuTech NT-3839+ RR	3, 4	9-26	24	1	45.3**	--	--
MFA Morsoy RT 3991N	5	9-24	26	1	44.3*	57.8	51.1
Kruger K-389RR/SCN	5	9-26	24	1	43.8*	58.8*	51.3
Garst 3624RR/N	5	9-24	23	1	43.8*	56.3	50.1
MFA Morsoy RT 3804N	5	9-24	23	1	43.7*	64.8**	54.3
MPride/MPV 3803nRR	3, 4, 7	9-25	27	1	43.6*	--	--
Midland MG 9A385NRS	None	9-25	22	1	43.5*	54.5	49.0
Prairie Brand PB-3894NRR	None	9-26	24	1	43.4*	--	--
Garst 3824RR/N	5	9-25	24	1	43.1*	58.9*	51.0
NuTech NT-3909+ RR/SCN/ST	-	9-25	25	1	43.0*	--	--
Kruger K-370RR/SCN	5	9-24	24	1	42.8*	--	--
MPride/MPV 3903nRR	3, 4, 7	9-24	23	1	42.7*	57.0	49.9
Midland MG 9A373NRR	None	9-26	25	1	42.6*	57.5	50.1
Dyna-Gro 32C38	5	9-24	23	1	42.1	62.0*	52.1
Golden Harvest H-3606RR	3, 7	9-26	23	1	41.6	--	--
Dyna-Gro 33A37	5	9-26	22	1	41.2	58.8*	50.0
NC+ 3A84RR	None	9-26	22	1	41.1	--	--
MPride/MPV 3805nRR	3, 4, 7	9-25	22	1	41.0	57.7	49.4
Golden Harvest H-3945RR	None	9-23	21	1	40.5	--	--
NC+ 3A92RR	None	9-25	23	1	40.2	--	--
MFA Morsoy RT 3644N	5	9-25	24	1	39.9	50.5	45.2
Lewis 3706	1, 8	9-24	27	1	39.3	--	--
ASGROW AG3905	3, 7	9-23	25	1	39.1	--	--
Kruger K-373RR/SCN	5	9-23	24	1	39.1	--	--
ASGROW AG3802	3, 7	9-25	28	1	39.0	51.0	45.0
Pioneer 93M90	3, 7	9-25	23	1	38.7	--	--
Mersch. Kennedy 538RR	9	9-26	23	1	38.7	--	--
Garst 3512RR/N	5	9-20	25	1	38.6	--	--
Vigoro V39N4RR	2	9-27	25	1	38.4	57.0	47.7
Kruger K-399RR/SCN	5	9-25	26	1	38.2	--	--
Bio Gene BG3806RN	8	9-24	22	1	38.1	--	--
NuTech NT-3777+ RR	3, 4	9-27	27	1	38.1	64.7*	51.4
Lewis 3716	1, 8	9-25	25	1	38.0	--	--
LG Seeds C3777NRR	None	9-24	25	1	37.8	--	--
DEKALB DKB36-52	3, 7	9-23	26	1	37.6	57.9*	47.8
DEKALB DKB38-52	3, 7	9-23	25	1	37.5	56.2	46.9
MFA Morsoy RT 3805	5	9-24	24	1	37.3	--	--
ASGROW AG3602	3, 7	9-21	23	1	37.2	55.9	46.6
Pioneer 93M50	2, 4	9-18	25	1	37.2	61.1*	49.2
Stone HC 2385NRR	None	9-26	23	1	37.2	--	--
Midland MG 3816NRS	None	9-24	24	1	37.0	--	--
Kruger K-397RR/SCN	5	9-24	24	1	36.9	--	--
MPride/MPV 3605nRR	3, 4, 7	9-20	23	1	36.8	--	--
NuTech NT-3666+ RR/SCN	3, 4	9-24	22	1	36.7	--	--
Dyna-Gro SX05138	5	9-25	25	1	36.4	--	--

TABLE 12. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
Prairie Brand PB-3905RR	None	9-25	22	1	35.5	--	--
ASGROW AG3505	3, 7	9-20	22	1	35.5	--	--
Midland MG 3826NRR	None	9-25	27	1	35.4	--	--
NuTech NT-3636+ RR/SCN	3, 4	9-18	22	1	35.2	--	--
Croplan Genetics RT3555	None	9-23	22	1	31.2	--	--
GROUP 3 AVERAGE		9-23	24	1	39.5	55.6	47.6
L.S.D. AT .10					3.0	6.9	
C.V. %					5.3	9.1	

MATURITY GROUP 4

Prairie Brand PB-4023NRR	None	9-29	31	1	51.9**	36.6	44.3
MFA Morsoy RT 4485N	5	9-30	33	1	51.5*	--	--
Bio Gene BG4406RN	8	9-27	32	1	51.5*	--	--
Vigoro V44N6RR	2	9-27	30	1	50.0*	--	--
Kruger K-433RR/SCN	5	9-29	33	1	49.8*	--	--
MPride/MPV 4705nRR	3, 4, 7	10-01	31	1	49.0*	56.4*	52.7
Midland MG 9A402NRR	None	9-29	28	1	48.1	52.7	50.4
MPride/MPV 4404nRR	3, 4, 7	9-29	31	1	48.0	56.8*	52.4
MFA Morsoy RT 4345N	5	9-28	30	1	48.0	--	--
LG Seeds C4115NRR	None	9-27	30	1	47.8	--	--
MFA Morsoy RT 4225N	5	9-27	30	1	47.8	--	--
MFA Morsoy RT 4683N	5	9-30	29	1	47.7	60.4*	54.1
Mersch. Memphis 642RR	None	9-29	35	1	47.5	--	--
MFA Morsoy RT 4480N	5	9-28	28	1	47.5	52.7	50.1
Mersch. Dallas RR	9	9-28	26	1	47.0	60.0*	53.5
Lewis 4010	1, 8	9-27	28	1	46.7	--	--
Kruger K-404RR	5	9-28	24	1	46.5	60.0*	53.3
MPride/MPV 4905nRR	3, 4, 7	9-29	29	1	46.3	--	--
Pioneer 94M80	3, 7	9-28	31	1	46.3	--	--
Midwest Seed Gen. GR4154	None	9-25	27	1	45.3	--	--
Stine 4532-4	None	10-01	36	1	45.3	--	--
Dyna-Gro 3443NRR	5	9-30	30	1	45.1	--	--
Mersch. Rocky RR	9	10-02	29	1	44.7	55.5	50.1
ASGROW AG4404	3, 7	10-02	26	1	44.4	--	--
MFA Morsoy RT 4114N	5	9-28	30	1	44.4	56.9*	50.7
NC+ 4A14RR	None	9-25	28	1	43.0	--	--
DEKALB DKB42-51	3, 7	10-02	28	1	42.7	--	--
Croplan Genetics RC4095	4, 7	9-27	26	1	42.2	--	--
Kruger K-411RR/SCN	5	9-28	30	1	41.7	--	--
Prairie Brand PB-4583NRR	None	10-02	22	1	41.6	--	--
MFA Morsoy RT 4201N	5	9-29	27	1	41.3	44.1	42.7
Mersch. Denver RRSTS	9	9-27	34	1	40.3	47.9	44.1
Stine 4102-4	None	9-29	24	1	39.9	--	--
Vigoro V42N3RR	2	10-02	24	1	39.3	56.9*	48.1
Midwest Seed Gen. GR4454	None	10-02	24	1	39.1	--	--
Bio Gene BG4305NRR	8	9-28	25	1	38.7	--	--
Prairie Brand PB-4394NRR	None	9-27	23	1	38.5	56.3*	47.4
Pioneer 94M30	2, 4	10-02	25	1	38.1	--	--
Mersch. Austin 643RR	None	10-03	24	1	38.0	--	--
Kruger K-403RR/SCN	5	9-27	23	1	37.1	--	--

TABLE 12. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Kruger K-410RR/SCN	5	10-01	32	1	35.6	--	--
Golden Harvest H-4368RR	None	9-28	25	1	33.8	--	--
Dyna-Gro 39G43	5	9-30	26	1	28.9	--	--
GROUP 4 AVERAGE		9-28	28	1	43.9	52.7	48.3
L.S.D. AT .10					3.3	5.7	
C.V. %					5.3	7.7	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 13. Glyphosate Resistant Soybean Test

Central Region: Annada, MO (Pike County)

Soil Type: Tice Silt Loam Soil Test: pH=6.3; OM=1.5%; P=48; K=174

Cyst Nematode Population at Planting: 165 Eggs/250cc of Soil

Rainfall: May=0.5, June=3.5, July=1.7, Aug.=2.7, Sept.=2.2 Total=10.6 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 3							
NuTech NT-3777+ RR	3, 4	9-18	36	1	56.9**	56.7*	56.8
ASGROW AG3802	3, 7	9-17	45	1	55.9*	53.7	54.8
Pioneer 93M50	2, 4	9-13	42	1	55.3*	52.2	53.8
ASGROW AG3602	3, 7	9-14	38	1	54.1*	56.7*	55.4
MFA Morsoy RT 3804N	5	9-16	42	1	53.6*	52.6	53.1
Kruger K-389RR/SCN	5	9-15	41	1	53.6*	46.3	50.0
Garst 3824RR/N	5	9-17	40	1	53.5*	46.6	50.1
Dyna-Gro 32C38	5	9-16	38	1	53.4*	50.7	52.1
Prairie Brand PB-3894NRR	None	9-15	37	1	53.0*	--	--
Stone HC 2385NRR	None	9-18	40	1	52.9*	--	--
MFA Morsoy RT 3991N	5	9-16	39	1	52.7*	47.1	49.9
MPride/MPV 3805nRR	3, 4, 7	9-16	36	1	52.7*	49.1	50.9
Midland MG 9A385NRS	None	9-16	35	1	52.0	47.7	49.9
Kruger K-370RR/SCN	5	9-16	37	1	51.7	--	--
Bio Gene BG3806RN	8	9-18	40	1	51.7	--	--
MFA Morsoy RT 3805	5	9-17	34	1	51.4	--	--
Vigoro V39N4RR	2	9-20	34	1	51.4	49.1	50.3
Garst 3624RR/N	5	9-16	36	1	50.9	47.4	49.2
MPride/MPV 3903nRR	3, 4, 7	9-16	38	1	50.9	51.4	51.2
Prairie Brand PB-3905RR	None	9-17	34	1	50.8	--	--
Dyna-Gro SX05138	5	9-17	35	1	50.6	--	--
Midland MG 9A373NRR	None	9-15	38	1	50.6	41.9	46.3
Golden Harvest H-3606RR	3, 7	9-15	33	1	50.4	--	--
NuTech NT-3909+ RR/SCN/ST	-	9-16	37	1	50.3	--	--
Lewis 3706	1, 8	9-16	43	1	50.3	--	--
ASGROW AG3505	3, 7	9-15	34	1	50.2	--	--
DEKALB DKB38-52	3, 7	9-16	39	1	50.2	48.1	49.2
Kruger K-399RR/SCN	5	9-15	40	1	50.1	--	--
ASGROW AG3905	3, 7	9-18	38	1	49.9	--	--
NC+ 3A92RR	None	9-18	41	1	49.9	--	--
Pioneer 93M90	3, 7	9-16	41	1	49.9	--	--
Mersch. Kennedy 538RR	9	9-18	38	1	49.7	--	--
MPride/MPV 3803nRR	3, 4, 7	9-19	35	1	49.7	--	--
Garst 3512RR/N	5	9-17	37	1	49.7	--	--
LG Seeds C3777NRR	None	9-17	41	1	49.7	--	--
Golden Harvest H-3945RR	None	9-16	40	1	49.6	--	--
Kruger K-397RR/SCN	5	9-14	40	1	49.6	--	--
DEKALB DKB36-52	3, 7	9-15	39	1	49.2	49.9	49.6
Kruger K-373RR/SCN	5	9-18	44	1	48.5	--	--
Dyna-Gro 33A37	5	9-16	32	1	48.0	42.2	45.1
Lewis 3716	1, 8	9-16	38	1	47.9	--	--
MFA Morsoy RT 3644N	5	9-16	41	1	47.8	51.0	49.4
Midland MG 3826NRR	None	9-16	44	1	47.7	--	--
MPride/MPV 3605nRR	3, 4, 7	9-15	38	1	46.8	--	--
Croplan Genetics RT3555	None	9-15	34	1	46.4	--	--

TABLE 13. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
NC+ 3A84RR	None	9-19	34	1	45.7	--	--
NuTech NT-3666+ RR/SCN	3, 4	9-15	41	1	44.8	--	--
Midland MG 3816NRS	None	9-16	37	1	44.0	--	--
NuTech NT-3636+ RR/SCN	3, 4	9-14	32	1	43.8	--	--
NuTech NT-3839+ RR	3, 4	9-19	35	1	43.4	--	--
GROUP 3 AVERAGE		9-15	38	1	50.3	49.0	49.7
L.S.D. AT .10					4.5	6.1	
C.V. %					6.4	8.7	

MATURITY GROUP 4

Mersch. Rocky RR	9	9-26	40	2	54.5**	54.2*	54.4
MFA Morsoy RT 4485N	5	9-24	45	2	53.4*	--	--
Kruger K-433RR/SCN	5	9-20	48	1	53.2*	--	--
MFA Morsoy RT 4683N	5	9-22	41	1	53.0*	55.3*	54.2
Kruger K-404RR	5	9-19	34	1	53.0*	50.7*	51.9
MPride/MPV 4905nRR	3, 4, 7	9-24	44	2	53.0*	--	--
LG Seeds C4115NRR	None	9-24	41	1	52.8*	--	--
MFA Morsoy RT 4345N	5	9-25	42	1	52.6*	--	--
Pioneer 94M30	2, 4	9-23	38	1	52.1*	--	--
Prairie Brand PB-4394NRR	None	9-17	34	1	52.1*	44.1	48.1
ASGROW AG4404	3, 7	9-22	41	1	51.2*	--	--
Prairie Brand PB-4023NRR	None	9-23	45	2	51.1*	55.2*	53.2
DEKALB DKB42-51	3, 7	9-23	38	1	50.8*	--	--
MPride/MPV 4404nRR	3, 4, 7	9-24	46	1	50.6*	51.0*	50.8
Bio Gene BG4406RN	8	9-21	49	1	50.5*	--	--
Midland MG 9A402NRR	None	9-19	43	1	50.5*	45.4	48.0
Mersch. Dallas RR	9	9-26	43	2	50.4	48.4	49.4
MFA Morsoy RT 4201N	5	9-21	35	1	50.2	52.1*	51.2
MFA Morsoy RT 4225N	5	9-21	42	1	50.2	--	--
Midwest Seed Gen. GR4454	None	9-25	39	1	50.0	--	--
Kruger K-411RR/SCN	5	9-23	44	1	49.0	--	--
Vigoro V42N3RR	2	9-27	33	1	48.9	54.7*	51.8
MFA Morsoy RT 4114N	5	9-21	44	1	48.5	58.6*	53.6
Pioneer 94M80	3, 7	9-27	45	2	48.5	--	--
Kruger K-410RR/SCN	5	9-25	33	1	48.4	--	--
Golden Harvest H-4368RR	None	9-19	34	1	48.2	--	--
Mersch. Austin 643RR	None	9-22	36	1	48.2	--	--
Kruger K-403RR/SCN	5	9-18	32	1	48.2	--	--
Lewis 4010	1, 8	9-25	42	1	48.1	--	--
Dyna-Gro 39G43	5	9-25	39	1	48.1	--	--
Vigoro V44N6RR	2	9-22	43	1	48.0	--	--
Stine 4102-4	None	9-20	35	1	47.9	--	--
Croplan Genetics RC4095	4, 7	9-17	42	1	47.5	--	--
Prairie Brand PB-4583NRR	None	9-25	41	1	47.4	--	--
MPride/MPV 4705nRR	3, 4, 7	9-25	46	1	47.1	39.2	43.2
NC+ 4A14RR	None	9-19	43	1	46.9	--	--
Dyna-Gro 3443NRR	5	9-24	43	1	46.8	--	--
Midwest Seed Gen. GR4154	None	9-24	39	1	46.8	--	--
Mersch. Memphis 642RR	None	9-21	43	1	46.2	--	--
MFA Morsoy RT 4480N	5	9-22	41	1	45.9	48.8	47.4

TABLE 13. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Bio Gene BG4305NRR	8	9-21	35	1	45.8	--	--
Mersch. Denver RRSTS	9	9-26	47	2	45.7	46.7	46.2
Stine 4532-4	None	9-29	47	2	41.6	--	--
GROUP 4 AVERAGE		9-22	41	1	49.4	49.4	49.4
L.S.D. AT .10					4.0	8.7	
C.V. %					5.9	12.4	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 14. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Central Missouri locations (Henrietta, Grand Pass, Columbia, Truxton, Annada) during 2005:

<u>Henrietta</u> Planted: 05-11 Harvested: 10-10 Growing Season Rainfall: 29.5 in. Irrigation: 0 in.	<u>Grand Pass</u> Planted: 05-11, 05-19 Harvested: 10-11 Growing Season Rainfall: 17.9 in. Irrigation: 0 in.	<u>Columbia</u> Planted: 05-17, 05-18 Harvested: 10-07, 10-14 Growing Season Rainfall: 19.4 in. Irrigation: 2.9 in.
<u>Truxton</u> Planted: 05-06 Harvested: 10-12 Growing Season Rainfall: 14.2 in. Irrigation: 0 in.	<u>Annada</u> Planted: 05-09 Harvested: 10-03 Growing Season Rainfall: 10.6 in. Irrigation: 0 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
MATURITY GROUP 3						
Prairie Brand PB-3894NRR	59.6*	61.8	63.0*	43.4*	53.0*	56.2**
Kruger K-389RR/SCN	59.2*	57.9	65.6**	43.8*	53.6*	56.0*
ASGROW AG3602	57.9	71.6**	55.0	37.2	54.1*	55.2*
ASGROW AG3802	57.8	63.5*	57.3	39.0	55.9*	54.7*
Dyna-Gro 32C38	59.7*	56.8	61.5*	42.1	53.4*	54.7*
Garst 3824RR/N	59.3*	60.6	54.8	43.1*	53.5*	54.2*
Dyna-Gro 33A37	58.5*	67.1*	54.5	41.2	48.0	53.8*
Stone HC 2385NRR	54.7	70.7*	53.4	37.2	52.9*	53.8*
MFA Morsoy RT 3804N	55.2	50.1	64.4*	43.7*	53.6*	53.4
MPride/MPV 3805nRR	58.8*	53.9	60.6	41.0	52.7*	53.4
MFA Morsoy RT 3805	59.6*	69.1*	49.4	37.3	51.4	53.4
MFA Morsoy RT 3644N	58.5*	62.5	58.0	39.9	47.8	53.3
Dyna-Gro SX05138	61.1*	66.9*	51.3	36.4	50.6	53.2
Bio Gene BG3806RN	56.5	66.2*	53.7	38.1	51.7	53.2
Midland MG 9A385NRS	59.3*	49.8	60.3	43.5*	52.0	53.0
NuTech NT-3777+ RR	56.4	65.0*	48.3	38.1	56.9**	52.9
Pioneer 93M90	56.5	65.6*	54.0	38.7	49.9	52.9
Prairie Brand PB-3905RR	57.1	68.9*	51.6	35.5	50.8	52.8
Lewis 3716	56.5	67.9*	53.4	38.0	47.9	52.7
DEKALB DKB36-52	53.7	68.5*	54.7	37.6	49.2	52.7
Garst 3624RR/N	56.7	57.8	53.4	43.8*	50.9	52.5
Golden Harvest H-3606RR	53.4	64.0*	52.4	41.6	50.4	52.4
MPride/MPV 3903nRR	54.5	59.6	53.6	42.7*	50.9	52.2
ASGROW AG3905	56.6	60.3	54.6	39.1	49.9	52.1
Kruger K-399RR/SCN	52.6	64.1*	55.4	38.2	50.1	52.1
MFA Morsoy RT 3991N	54.5	53.3	55.4	44.3*	52.7*	52.0
Kruger K-370RR/SCN	51.9	61.2	52.5	42.8*	51.7	52.0
Pioneer 93M50	64.3**	52.5	50.8	37.2	55.3*	52.0
NuTech NT-3909+ RR/SCN/ST	53.3	53.3	60.1	43.0*	50.3	52.0
Garst 3512RR/N	57.6	63.8*	50.1	38.6	49.7	52.0
MPride/MPV 3803nRR	59.3*	53.8	52.8	43.6*	49.7	51.8
Lewis 3706	54.4	61.7	53.2	39.3	50.3	51.8
DEKALB DKB38-52	52.4	63.2*	55.5	37.5	50.2	51.8
Midland MG 9A373NRR	50.2	57.4	57.7	42.6*	50.6	51.7
MPride/MPV 3605nRR	57.9	63.0*	52.8	36.8	46.8	51.4
Mersch. Kennedy 538RR	60.1*	55.9	52.8	38.7	49.7	51.4
Kruger K-373RR/SCN	58.7*	57.4	49.7	39.1	48.5	50.7
Midland MG 3826NRR	58.7*	60.1	50.7	35.4	47.7	50.5
NuTech NT-3666+ RR/SCN	57.6	61.9	50.5	36.7	44.8	50.3
NC+ 3A92RR	52.9	52.1	56.2	40.2	49.9	50.3

Table 14. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
Midland MG 3816NRS	48.0	62.6*	56.4	37.0	44.0	49.6
Golden Harvest H-3945RR	55.4	51.3	50.5	40.5	49.6	49.4
LG Seeds C3777NRR	57.8	49.1	52.8	37.8	49.7	49.4
NuTech NT-3839+ RR	54.9	50.6	52.4	45.3**	43.4	49.3
Vigoro V39N4RR	51.9	52.2	52.6	38.4	51.4	49.3
Kruger K-397RR/SCN	49.4	53.7	54.0	36.9	49.6	48.7
NC+ 3A84RR	55.1	48.3	51.8	41.1	45.7	48.4
NuTech NT-3636+ RR/SCN	58.2	57.7	46.7	35.2	43.8	48.3
ASGROW AG3505	52.1	52.6	51.1	35.5	50.2	48.3
Croplan Genetics RT3555	41.2	49.8	45.4	31.2	46.4	42.8
GROUP 3 AVERAGE	55.9	59.4	54.2	39.5	50.3	51.9
L.S.D. AT .10	5.9	9.0	4.9	3.0	4.5	2.6
C.V. %	7.2	10.8	6.1	5.3	6.4	7.2

MATURITY GROUP 4

Mersch. Dallas RR	54.4*	69.1**	60.8	47.0	50.4	56.3**
Lewis 4010	63.0**	59.5	63.4	46.7	48.1	56.1*
MFA Morsoy RT 4485N	48.2	53.9	73.6**	51.5*	53.4*	56.1*
Prairie Brand PB-4023NRR	52.2	57.8	67.6*	51.9**	51.1*	56.1*
Bio Gene BG4406RN	57.3*	56.8	64.1	51.5*	50.5*	56.0*
Mersch. Memphis 642RR	55.0*	63.4*	67.7*	47.5	46.2	56.0*
Kruger K-433RR/SCN	51.5	54.2	70.7*	49.8*	53.2*	55.9*
MFA Morsoy RT 4345N	52.7	58.3	65.8*	48.0	52.6*	55.5*
MFA Morsoy RT 4480N	57.7*	61.4*	63.3	47.5	45.9	55.2*
LG Seeds C4115NRR	57.2*	56.7	60.8	47.8	52.8*	55.0*
MFA Morsoy RT 4114N	61.1*	59.3	61.5	44.4	48.5	55.0*
MPride/MPV 4905nRR	61.0*	57.8	56.6	46.3	53.0*	54.9*
MFA Morsoy RT 4683N	58.2*	60.3*	53.5	47.7	53.0*	54.5*
Kruger K-404RR	50.1	59.9*	62.9	46.5	53.0*	54.5*
Midwest Seed Gen. GR4154	54.0*	64.3*	61.8	45.3	46.8	54.4*
Pioneer 94M80	55.1*	58.6	63.6	46.3	48.5	54.4*
Vigoro V44N6RR	50.2	55.2	68.1*	50.0*	48.0	54.3*
MFA Morsoy RT 4225N	54.6*	53.6	65.3*	47.8	50.2	54.3*
DEKALB DKB42-51	61.1*	58.9	57.7	42.7	50.8*	54.2*
NC+ 4A14RR	60.0*	60.0*	60.6	43.0	46.9	54.1*
Prairie Brand PB-4583NRR	52.1	66.1*	59.4	41.6	47.4	53.3*
Kruger K-411RR/SCN	56.8*	61.6*	56.6	41.7	49.0	53.1*
Midland MG 9A402NRR	48.7	56.7	61.4	48.1	50.5*	53.1*
ASGROW AG4404	52.9	56.2	60.1	44.4	51.2*	53.0*
Mersch. Rocky RR	53.0	50.2	61.6	44.7	54.5**	52.8
Mersch. Austin 643RR	54.0*	65.7*	56.8	38.0	48.2	52.5
MPride/MPV 4404nRR	52.7	50.7	58.0	48.0	50.6*	52.0
Bio Gene BG4305NRR	53.6	62.7*	57.4	38.7	45.8	51.6
Pioneer 94M30	53.6	55.7	57.7	38.1	52.1*	51.4
MPride/MPV 4705nRR	45.0	53.3	62.3	49.0*	47.1	51.3
Kruger K-403RR/SCN	51.5	60.9*	58.4	37.1	48.2	51.2
Dyna-Gro 3443NRR	51.2	53.8	58.6	45.1	46.8	51.1
Vigoro V42N3RR	53.7	53.4	58.7	39.3	48.9	50.8
Midwest Seed Gen. GR4454	51.8	57.4	55.5	39.1	50.0	50.8
Kruger K-410RR/SCN	53.9*	58.6	56.3	35.6	48.4	50.6

Table 14. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
MFA Morsoy RT 4201N	45.0	58.1	57.6	41.3	50.2	50.4
Mersch. Denver RRSTS	44.3	60.1*	59.2	40.3	45.7	49.9
Croplan Genetics RC4095	44.1	60.9*	54.7	42.2	47.5	49.9
Golden Harvest H-4368RR	50.5	62.5*	52.5	33.8	48.2	49.5
Stine 4532-4	39.9	59.8*	60.8	45.3	41.6	49.5
Prairie Brand PB-4394NRR	47.4	56.2	51.3	38.5	52.1*	49.1
Dyna-Gro 39G43	56.7*	52.8	56.1	28.9	48.1	48.5
Stine 4102-4	45.2	44.8	56.8	39.9	47.9	46.9
GROUP 4 AVERAGE	52.8	58.1	60.4	43.9	49.4	52.9
L.S.D. AT .10	9.2	9.3	9.2	3.3	4.0	3.3
C.V. %	11.9	11.3	10.5	5.3	5.9	9.0

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

Note: To view seed treatments for these varieties refer to the location table or the characteristics chart.

Southwest Region Crop Management Summary

There are five locations in the southwestern region of Missouri for glyphosate resistant and non-glyphosate resistant / special trait soybean tests. They are located in counties where a significant number of acres of soybean are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates were May 4 to May 12 with soil conditions being very good at all locations. Growing season rainfall was below normal and temperatures were above normal for the season. Yields at four of the southwest locations were normal or above normal depending on rainfall and irrigation. The Lamar location suffered more than the others from low rainfall and high temperatures and yields there were far below normal, averaging only 22 bushels per acre. The maturity group 5 glyphosate resistant and non-glyphosate/special trait soybeans at Harrisonville were accidentally bulk harvested so no data is available at that location for those varieties.

Climatological information for the growing season for Southwest Missouri (May 1 – September 30) is summarized below.

Average temperature = 74.6 degrees, 2.4 degrees above normal

Average precipitation = 20.7", 2.3" below normal

Table 15. Southwest Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide	
			N	P ₂ O ₅	K ₂ O		Pre	Post
<i>Glyphosate Resistant Soybean Tests</i>								
Harrisonville	05-05	10-12	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Adrian	05-04	10-05, 10-12	0	0	0	Conv.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Urich	05-04	10-13, 10-17	0	0	0	Min.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Nevada	05-12	10-07, 10-19	17	45	70	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Lamar	05-03	10-06, 10-07	0	0	0	Min.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Harrisonville	05-05	Not Harvested	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Assure II, Ultra Blazer, Basagran
Adrian	05-04	10-12	0	0	0	Conv.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Assure II, Ultra Blazer, Basagran
Urich	05-04	10-17	0	0	0	Min.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	
Nevada	05-12	10-19	17	45	70	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Assure II, Ultra Blazer, Basagran
Lamar	05-03	10-07	0	0	0	Min.	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Assure II, Ultra Blazer, Basagran

TABLE 16. **Glyphosate Resistant Soybean Test**

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=6.0; OM=1.5%; P=84; K=336

Cyst Nematode Population at Planting: 330 Eggs/250cc of Soil

Rainfall: May=2.8, June=8.5, July=2.5, Aug.=7.4, Sept.=3.5 Total=24.7 in.

Irrigation: 2.25 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	
MATURITY GROUP 4							
Kruger K-433RR/SCN	5	9-24	39	1	60.8**	--	--
Croplan Genetics RC4455	None	9-24	38	2	60.0*	--	--
MFA Morsoy RT 4480N	5	9-22	34	1	57.6*	56.1	56.9
MPride/MPV 4905nRR	3, 4, 7	9-22	36	2	57.4*	--	--
MFA Morsoy RT 4225N	5	9-20	36	1	57.1*	--	--
Dyna-Gro 3443NRR	5	9-25	34	1	56.9*	55.6	56.3
Willcross RR2432N	2, 4	9-22	33	1	56.1*	--	--
MFA Morsoy RT 4683N	5	9-20	28	1	55.8*	--	--
Mersch. Rocky RR	9	9-21	35	2	55.8*	--	--
Pioneer 94M30	2, 4	9-21	35	1	55.1*	--	--
ASGROW AG4703	3, 7	9-23	29	1	55.0*	--	--
Willcross RR2486N	2, 4	9-29	42	2	54.2*	--	--
Mersch. Dallas RR	9	9-25	37	1	53.7*	56.9*	55.3
Delta King DK4461	2, 6	9-23	35	1	53.2*	57.7*	55.5
Delta King DKXTJ650	2, 6	9-23	36	1	52.6*	--	--
Pioneer 94M80	3, 7	9-25	37	2	52.5*	--	--
MFA Morsoy RTS 4824	5	9-23	40	1	52.5*	--	--
Dyna-Gro 36M49	5	9-22	34	1	52.5*	--	--
Dyna-Gro 39G43	5	9-20	34	1	51.6*	--	--
Delta King DK4763	2, 6	9-22	35	1	51.3*	57.5*	54.4
Stine 4532-4	None	9-30	41	1	50.8*	--	--
DEKALB DKB42-51	3, 7	9-23	34	1	50.7*	--	--
Mersch. Memphis 642RR	None	9-22	36	2	50.2	--	--
Stone HC 2405NRR	None	9-20	32	1	49.5	--	--
Mersch. Austin 643RR	None	9-19	30	1	49.2	--	--
Croplan Genetics RC4095	4, 7	9-17	30	1	48.8	--	--
MPride/MPV 4404nRR	3, 4, 7	9-25	38	1	48.8	--	--
ASGROW AG4902	3, 7	9-26	35	1	48.7	--	--
Willcross RR2446N	2, 4	9-23	37	1	48.6	--	--
Delta King DK4866	2, 6	9-22	38	1	48.5	--	--
MFA Morsoy RT 4731N	5	9-22	34	1	48.5	57.1*	52.8
MFA Morsoy RT 4485N	5	9-22	39	1	48.4	--	--
Delta King DK4566	2, 6	9-22	37	1	48.0	--	--
MFA Morsoy RT 4845N	5	9-30	41	1	47.9	--	--
Pioneer 93M50##	2, 4	9-04	32	1	47.9	--	--
Stine 4842-4	None	9-22	35	2	47.8	55.0	51.4
Midwest Seed Gen. GR4454	None	9-17	30	1	47.7	--	--
ASGROW AG4404	3, 7	9-17	31	1	47.4	--	--
Willcross RR2484N	2, 4	9-22	37	1	47.4	--	--
MPride/MPV 4705nRR	3, 4, 7	9-22	34	1	47.2	--	--
ASGROW AG3802##	3, 7	9-17	36	1	47.1	--	--
Pioneer 93M90##	3, 7	9-18	34	1	46.4	58.0*	52.2
Delta King DKXTJ6G51	2, 6	9-30	39	1	45.0	--	--
Kruger K-473RR/SCN	5	9-29	42	1	45.0	--	--
DEKALB DKB46-51	3, 7	9-27	34	1	44.4	55.6	50.0

TABLE 16. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	
Midwest Seed Gen. GR4752	None	9-22	35	1	43.5	--	--
Midland MG 9A494XRR	None	9-28	36	2	43.5	--	--
ASGROW AG3905##	3, 7	9-09	31	1	42.3	53.7	48.0
Midland MG 4806NRS	None	9-27	39	2	42.3	--	--
Midland MG 4406NRS	None	9-06	35	1	41.7	--	--
ASGROW AG4801	3, 7	10-01	32	1	40.1	--	--
Garst D484RR	5	9-29	41	2	39.9	--	--
Croplan Genetics RC4655	None	9-29	41	1	39.2	--	--
Dyna-Gro 3468NRR	5	9-16	31	1	37.6	--	--
Delta King DK4967	2, 6	9-14	36	1	36.1	53.4	44.8
GROUP 4 AVERAGE		9-21	35	1	49.2	54.9	52.1
L.S.D. AT .10					10.3	3.6	
C.V. %					14.4	4.7	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 17. **Glyphosate Resistant Soybean Test**

Southwest Region: Adrian, MO (Bates County)

Soil Type: Kenoma Silt Loam Soil Test: pH=6.4; OM=2.3%; P=28; K=338

Cyst Nematode Population at Planting: 165 Eggs/250cc of Soil

Rainfall: May=3.5, June=7.0, July=1.3, Aug.=10.4, Sept.=2.7 Total=24.9 in.

Brand-Variety	Seed Treatment [†]	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
							-----bu/acre-----
MATURITY GROUP 4							
Delta King DK4866	2, 6	9-28	27	1	46.2**	--	--
Pioneer 94M80	3, 7	9-27	34	1	45.6*	--	--
Midland MG 4806NRS	None	9-29	27	1	44.9*	--	--
MFA Morsoy RTS 4824	5	9-29	29	1	43.6*	77.1**	60.4
DEKALB DKB46-51	3, 7	9-26	26	1	43.0*	66.5	54.8
MFA Morsoy RT 4485N	5	9-26	29	1	43.0*	--	--
Kruger K-433RR/SCN	5	9-25	28	1	42.5*	--	--
MPride/MPV 4905nRR	3, 4, 7	9-26	29	1	42.4*	63.0	52.7
Croplan Genetics RC4455	None	9-27	31	1	42.3*	--	--
Willcross RR2446N	2, 4	9-26	29	1	42.3*	--	--
Midwest Seed Gen. GR4752	None	9-27	28	1	41.8*	--	--
Delta King DK4763	2, 6	9-28	25	1	41.7*	69.5	55.6
Mersch. Memphis 642RR	None	9-25	31	1	41.7*	--	--
MFA Morsoy RT 4480N	5	9-28	27	1	41.5	--	--
ASGROW AG4902	3, 7	9-27	28	1	41.3	--	--
Mersch. Dallas RR	9	9-26	24	1	41.2	62.1	51.7
MPride/MPV 4404nRR	3, 4, 7	9-26	28	1	41.1	71.3*	56.2
Mersch. Rocky RR	9	9-28	30	1	41.1	61.1	51.1
Delta King DKXTJ650	2, 6	9-26	28	1	40.7	--	--
Delta King DK4967	2, 6	9-26	25	1	40.6	63.7	52.2
Delta King DK4461	2, 6	9-27	29	1	40.2	71.4*	55.8
Delta King DKXTJ6G51	2, 6	9-29	32	1	39.9	--	--
Garst D484RR	5	9-26	30	1	39.8	--	--
Kruger K-473RR/SCN	5	9-26	30	1	39.5	--	--
Stone HC 2405NRR	None	9-21	25	1	39.4	--	--
Midland MG 9A494XRR	None	9-26	27	1	38.9	--	--
MFA Morsoy RT 4845N	5	9-28	36	1	38.9	--	--
Dyna-Gro 3468NRR	5	9-29	26	1	38.8	--	--
Willcross RR2484N	2, 4	9-24	29	1	38.5	63.4	51.0
MFA Morsoy RT 4225N	5	9-25	27	1	38.4	--	--
Willcross RR2432N	2, 4	9-26	30	1	38.3	--	--
MPride/MPV 4705nRR	3, 4, 7	9-25	29	1	38.1	70.1	54.1
MFA Morsoy RT 4731N	5	9-25	25	1	38.0	63.2	50.6
Willcross RR2486N	2, 4	9-24	30	1	37.5	--	--
MFA Morsoy RT 4683N	5	9-26	27	1	37.5	--	--
Dyna-Gro 36M49	5	9-23	28	1	37.4	--	--
Dyna-Gro 39G43	5	9-25	29	1	37.3	--	--
Dyna-Gro 3443NRR	5	9-25	26	1	37.1	74.3*	55.7
Croplan Genetics RC4655	None	9-26	30	1	36.0	--	--
ASGROW AG4703	3, 7	9-24	22	1	36.0	--	--
Pioneer 94M30	2, 4	9-26	27	1	35.4	--	--
ASGROW AG3905##	3, 7	9-20	27	1	35.1	62.7	48.9
Stine 4842-4	None	9-27	29	1	34.8	64.6	49.7
Midwest Seed Gen. GR4454	None	9-24	23	1	34.7	--	--
Delta King DK4566	2, 6	9-24	29	1	34.2	--	--

TABLE 17. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Stine 4532-4	None	9-28	33	1	33.9	--	--
Croplan Genetics RC4095	4, 7	9-13	26	1	33.8	--	--
ASGROW AG4801	3, 7	9-28	28	1	33.5	63.8	48.7
Midland MG 4406NRS	None	9-20	25	1	33.1	--	--
ASGROW AG4404	3, 7	9-24	26	1	32.8	--	--
Mersch. Austin 643RR	None	9-25	25	1	31.8	--	--
Pioneer 93M90##	3, 7	9-23	26	1	30.9	--	--
ASGROW AG3802##	3, 7	9-14	25	1	30.7	63.1	46.9
DEKALB DKB42-51	3, 7	9-29	28	1	28.3	--	--
Pioneer 93M50##	2, 4	9-09	29	1	28.2	--	--
GROUP 4 AVERAGE		9-24	28	1	38.3	63.5	50.9
L.S.D. AT .10					4.5	6.9	
C.V. %					8.3	7.7	

MATURITY GROUP 5

Willcross RR2544NSTS	2, 4	10-02	31	1	48.4**	--	--
MPride/MPV 5505nRR	3, 4, 7	10-03	33	1	47.7*	55.4*	51.6
MFA Morsoy RT 5043N	5	9-28	31	1	43.4	61.6*	52.5
MFA Morsoy RT 5154N	5	9-30	34	1	42.7	--	--
Delta King DK5066	2, 6	10-02	30	1	42.0	--	--
Willcross RR2525N	8	9-26	25	1	38.8	61.9*	50.4
GROUP 5 AVERAGE		9-29	31	1	43.8	53.6	48.7
L.S.D. AT .10					2.7	7.3	
C.V. %					5.0	11.5	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 18. **Glyphosate Resistant Soybean Test**

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=5.6; OM=2.2%; P=22; K=252

Cyst Nematode Population at Planting: 828 Eggs/250cc of Soil

Rainfall: May=2.6, June=5.2, July=1.7, Aug.=9.6, Sept.=3.6 Total=22.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	2 Yr. Mean
							-----bu/acre-----
MATURITY GROUP 4							
Kruger K-433RR/SCN	5	9-26	44	2	59.9**	--	--
MFA Morsoy RT 4480N	5	9-25	44	2	58.2*	41.3	49.8
MPride/MPV 4404nRR	3, 4, 7	9-26	46	2	57.7*	--	--
Willcross RR2484N	2, 4	9-25	41	2	57.6*	--	--
MPride/MPV 4705nRR	3, 4, 7	9-24	48	2	57.5*	--	--
MFA Morsoy RT 4485N	5	9-22	42	2	56.9*	--	--
Delta King DKXTJ650	2, 6	9-27	50	2	56.4*	--	--
Willcross RR2446N	2, 4	9-24	43	2	56.1*	--	--
Kruger K-473RR/SCN	5	10-02	48	2	56.0*	--	--
Croplan Genetics RC4455	None	9-24	43	2	56.0*	--	--
Willcross RR2432N	2, 4	9-26	43	2	55.2	--	--
Delta King DK4763	2, 6	9-27	42	2	54.7	44.8*	49.8
Mersch. Dallas RR	9	9-26	41	2	54.6	40.9	47.8
Mersch. Rocky RR	9	9-25	42	3	54.5	--	--
Pioneer 94M80	3, 7	9-27	45	2	54.4	--	--
Dyna-Gro 3443NRR	5	9-26	39	2	54.4	43.0*	48.7
Delta King DK4967	2, 6	9-27	42	2	54.4	44.2*	49.3
DEKALB DKB46-51	3, 7	9-25	43	2	54.3	45.9*	50.1
Mersch. Memphis 642RR	None	9-26	48	2	54.2	--	--
Willcross RR2486N	2, 4	10-02	48	2	54.1	--	--
Mersch. Austin 643RR	None	9-22	37	1	54.0	--	--
MPride/MPV 4905nRR	3, 4, 7	9-25	39	3	54.0	--	--
ASGROW AG4703	3, 7	9-25	40	2	53.8	--	--
Garst D484RR	5	9-26	45	2	53.6	--	--
Delta King DK4461	2, 6	9-25	41	2	53.2	39.0	46.1
MFA Morsoy RT 4845N	5	10-03	46	2	53.0	--	--
ASGROW AG4801	3, 7	9-27	34	2	52.9	--	--
Delta King DK4866	2, 6	9-30	43	2	52.8	--	--
Midwest Seed Gen. GR4454	None	9-22	38	1	52.8	--	--
MFA Morsoy RT 4683N	5	9-21	43	2	52.6	--	--
Delta King DKXTJ6G51	2, 6	10-03	46	2	52.3	--	--
MFA Morsoy RT 4731N	5	9-26	47	2	52.3	46.5**	49.4
Stine 4532-4	None	10-01	47	2	52.2	--	--
Pioneer 94M30	2, 4	9-22	41	1	52.1	--	--
MFA Morsoy RT 4225N	5	9-23	42	2	51.7	--	--
Midwest Seed Gen. GR4752	None	9-26	47	2	51.3	--	--
Dyna-Gro 36M49	5	9-26	42	2	51.3	--	--
Midland MG 4406NRS	None	9-23	44	1	51.0	--	--
Stone HC 2405NRR	None	9-19	43	2	50.7	--	--
ASGROW AG4404	3, 7	9-22	40	2	50.1	--	--
ASGROW AG3802##	3, 7	9-10	47	2	50.1	--	--
Dyna-Gro 39G43	5	9-22	43	1	50.0	--	--
Stine 4842-4	None	9-27	42	3	49.8	42.5*	46.2
Croplan Genetics RC4655	None	9-30	49	2	49.8	--	--
ASGROW AG4902	3, 7	9-29	40	2	49.8	--	--

TABLE 18. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	2 Yr. Mean
Midland MG 4806NRS	None	9-29	44	2	49.7	--	--
MFA Morsoy RTS 4824	5	9-30	40	2	49.7	--	--
DEKALB DKB42-51	3, 7	9-24	41	1	49.4	--	--
Dyna-Gro 3468NRR	5	9-29	39	1	49.4	--	--
Croplan Genetics RC4095	4, 7	9-19	42	2	48.8	--	--
ASGROW AG3905##	3, 7	9-17	40	1	48.5	37.6	43.1
Midland MG 9A494XRR	None	9-28	44	1	47.3	--	--
Delta King DK4566	2, 6	9-21	46	2	47.2	--	--
Pioneer 93M90##	3, 7	9-16	43	1	46.9	34.5	40.7
Pioneer 93M50##	2, 4	9-05	43	2	41.3	--	--
GROUP 4 AVERAGE		9-24	43	2	52.6	38.4	45.5
L.S.D. AT .10					4.2	4.3	
C.V. %					5.4	7.9	

MATURITY GROUP 5

MPride/MPV 5505nRR	3, 4, 7	10-10	43	3	64.6**	--	--
Willcross RR2544NSTS	2, 4	10-10	43	3	60.8*	--	--
MFA Morsoy RT 5154N	5	10-01	45	3	58.4	--	--
Delta King DK5066	2, 6	10-03	43	3	56.4	--	--
MFA Morsoy RT 5043N	5	9-21	44	3	54.0	--	--
Willcross RR2525N	8	9-21	41	2	53.1	--	--
GROUP 5 AVERAGE		9-30	43	3	57.9	52.3	55.1
L.S.D. AT .10					4.5	4.4	
C.V. %					6.3	6.8	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 19. **Glyphosate Resistant Soybean Test**

Southwest Region: Nevada, MO (Vernon County)

Soil Type: Parsons Silt Loam Soil Test: pH=6.3; OM=1.5%; P=78; K=268

Cyst Nematode Population at Planting: 995 Eggs/250cc of Soil

Rainfall: May=1.4, June=5.5, July=1.4, Aug.=3.2, Sept.=1.4 Total=12.9 in.

Irrigation: 5 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
MFA Morsoy RT 4485N	5	9-23	41	2	57.5**	--	--
Croplan Genetics RC4455	None	9-23	42	2	57.1*	--	--
Kruger K-433RR/SCN	5	9-24	39	2	55.2*	--	--
MFA Morsoy RT 4683N	5	9-23	35	2	55.2*	--	--
Mersch. Austin 643RR	None	9-22	30	1	54.9*	--	--
Pioneer 94M30	2, 4	9-22	29	1	54.9*	--	--
Willcross RR2446N	2, 4	9-20	37	2	54.7*	--	--
Mersch. Rocky RR	9	9-26	37	2	54.0*	64.0*	59.0
Dyna-Gro 36M49	5	9-28	34	2	53.7*	--	--
MFA Morsoy RT 4225N	5	9-20	37	1	53.5*	--	--
MPride/MPV 4905nRR	3, 4, 7	9-22	34	2	53.2*	64.3*	58.8
Stone HC 2405NRR	None	9-20	40	2	52.4*	--	--
ASGROW AG4902	3, 7	9-29	36	3	52.2*	--	--
MFA Morsoy RT 4731N	5	9-23	35	3	51.5	60.3	55.9
Delta King DKXTJ6G51	2, 6	10-02	43	2	51.4	--	--
ASGROW AG4801	3, 7	9-26	31	1	51.2	64.2*	57.7
ASGROW AG4404	3, 7	9-20	35	1	51.1	--	--
Willcross RR2484N	2, 4	9-23	30	1	50.6	58.7	54.7
MFA Morsoy RTS 4824	5	9-25	34	2	50.3	58.8	54.6
Mersch. Memphis 642RR	None	9-20	38	2	50.1	--	--
Garst D484RR	5	9-20	40	2	50.0	--	--
ASGROW AG4703	3, 7	9-24	35	1	49.3	--	--
Midland MG 4806NRS	None	9-25	35	1	49.3	--	--
Delta King DK4763	2, 6	9-23	35	2	48.9	54.6	51.8
Midwest Seed Gen. GR4454	None	9-21	29	1	48.9	--	--
MFA Morsoy RT 4845N	5	9-29	41	2	48.8	--	--
Mersch. Dallas RR	9	9-23	34	2	48.7	53.2	51.0
Delta King DK4461	2, 6	9-22	36	2	48.6	59.2	53.9
Willcross RR2486N	2, 4	9-30	41	2	48.6	--	--
Midland MG 4406NRS	None	9-19	34	1	48.3	--	--
ASGROW AG3905##	3, 7	9-17	30	1	48.2	62.6*	55.4
MPride/MPV 4404nRR	3, 4, 7	9-24	37	1	48.2	59.2	53.7
Dyna-Gro 3468NRR	5	9-23	34	2	48.1	--	--
Kruger K-473RR/SCN	5	9-30	42	2	48.0	--	--
MFA Morsoy RT 4480N	5	9-24	37	2	48.0	--	--
Delta King DK4967	2, 6	9-27	37	3	48.0	66.1*	57.1
DEKALB DKB46-51	3, 7	9-24	39	3	47.3	60.3	53.8
Pioneer 93M50##	2, 4	9-09	34	1	47.2	--	--
Delta King DK4866	2, 6	9-27	37	2	47.1	--	--
Pioneer 94M80	3, 7	9-24	36	2	47.0	--	--
Croplan Genetics RC4095	4, 7	9-17	35	1	46.8	--	--
Midwest Seed Gen. GR4752	None	9-18	34	1	46.5	--	--
Willcross RR2432N	2, 4	9-24	36	1	46.5	--	--
Pioneer 93M90##	3, 7	9-19	33	1	46.3	--	--
Stine 4842-4	None	9-27	34	3	46.3	56.1	51.2

TABLE 19. Continued.

Brand-Variety	Seed Treatment ⁺	Maturity Date	2005		Yield		2 Yr. Mean
			Plant Height (in)	Lodging Score	2005	2004	
DEKALB DKB42-51	3, 7	9-20	29	1	46.2	--	--
ASGROW AG3802##	3, 7	9-18	35	1	46.0	62.5*	54.3
Stine 4532-4	None	9-29	40	2	45.9	--	--
Midland MG 9A494XRR	None	9-27	34	2	45.8	--	--
MPride/MPV 4705nRR	3, 4, 7	9-19	34	2	45.7	59.4	52.6
Delta King DK4566	2, 6	9-20	39	2	45.7	--	--
Dyna-Gro 39G43	5	9-22	34	1	45.4	--	--
Dyna-Gro 3443NRR	5	9-17	32	1	45.0	59.7	52.4
Delta King DKXTJ650	2, 6	9-23	39	1	45.0	--	--
Croplan Genetics RC4655	None	9-24	35	2	37.0	--	--
GROUP 4 AVERAGE		9-22	36	2	49.3	58.6	54.0
L.S.D. AT .10					5.9	6.4	
C.V. %					8.2	7.7	

MATURITY GROUP 5

Willcross RR2544NSTS	2, 4	10-09	39	2	63.1**	--	--
Delta King DK5066	2, 6	9-29	33	2	60.6*	--	--
MPride/MPV 5505nRR	3, 4, 7	10-09	39	2	59.9*	56.8*	58.4
MFA Morsoy RT 5154N	5	10-01	34	2	59.0*	--	--
MFA Morsoy RT 5043N	5	9-25	33	2	57.8	58.4**	58.1
Willcross RR2525N	8	9-22	33	1	54.0	56.9*	55.5
GROUP 5 AVERAGE		9-30	35	2	59.1	52.9	56.0
L.S.D. AT .10					4.6	5.3	
C.V. %					6.3	8.4	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 20. **Glyphosate Resistant Soybean Test**

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parsons Silt Loam Soil Test: pH=5.8; OM=0.7%%; P=20; K=90

Cyst Nematode Population at Planting: 0 Eggs/250cc of Soil

Rainfall: May=3.0, June=4.2, July=1.1, Aug.=4.8, Sept.=3.6 Total=16.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Delta King DK4866	2, 6	9-20	30	1	28.1**	--	--
Midland MG 4806NRS	None	9-18	28	1	26.1*	--	--
Kruger K-433RR/SCN	5	9-09	34	1	25.7*	--	--
MFA Morsoy RT 4225N	5	9-13	26	1	25.4*	--	--
Willcross RR2446N	2, 4	9-06	34	1	25.1*	--	--
MFA Morsoy RTS 4824	5	9-16	30	1	25.1*	55.5*	40.3
Croplan Genetics RC4455	None	9-14	28	1	25.0*	--	--
ASGROW AG4801	3, 7	9-12	26	1	24.7*	48.3	36.5
MPride/MPV 4705nRR	3, 4, 7	9-10	30	1	24.7*	51.2*	38.0
Midwest Seed Gen. GR4752	None	9-16	25	1	24.6*	--	--
Pioneer 94M80	3, 7	9-17	34	1	24.6*	--	--
Delta King DK4763	2, 6	9-14	33	1	24.5*	50.5	37.5
Dyna-Gro 36M49	5	9-17	28	1	24.5*	--	--
MPride/MPV 4905nRR	3, 4, 7	9-15	27	1	24.1*	52.1*	38.1
Kruger K-473RR/SCN	5	9-19	35	1	24.0*	--	--
Willcross RR2486N	2, 4	9-20	34	1	24.0*	--	--
Delta King DK4967	2, 6	9-18	29	1	23.7	46.0	34.9
Delta King DKXTJ6G51	2, 6	9-22	33	1	23.7	--	--
MFA Morsoy RT 4683N	5	9-11	25	1	23.3	--	--
ASGROW AG4703	3, 7	9-10	27	1	23.3	--	--
Stone HC 2405NRR	None	9-09	28	1	23.2	--	--
MFA Morsoy RT 4731N	5	9-13	30	1	23.1	49.9	36.5
Mersch. Rocky RR	9	9-19	28	1	23.0	54.3*	38.7
Willcross RR2484N	2, 4	9-11	28	1	23.0	46.2	34.6
MFA Morsoy RT 4845N	5	9-20	33	1	22.9	--	--
Dyna-Gro 3468NRR	5	9-14	28	1	22.8	--	--
Croplan Genetics RC4655	None	9-19	27	1	22.8	--	--
Midland MG 9A494XRR	None	9-20	28	1	22.7	--	--
MFA Morsoy RT 4480N	5	9-16	27	1	22.6	--	--
MPride/MPV 4404nRR	3, 4, 7	9-17	28	1	22.5	50.6	36.6
Willcross RR2432N	2, 4	9-12	30	1	22.4	--	--
Pioneer 94M30	2, 4	9-09	28	1	22.1	--	--
DEKALB DKB46-51	3, 7	9-14	28	1	22.1	47.7	34.9
MFA Morsoy RT 4485N	5	9-12	29	1	22.0	--	--
Stine 4532-4	None	9-21	28	1	22.0	--	--
Garst D484RR	5	9-18	31	1	21.7	--	--
Mersch. Memphis 642RR	None	9-11	31	1	21.6	--	--
ASGROW AG4902	3, 7	9-20	27	1	21.3	--	--
Mersch. Dallas RR	9	9-11	25	1	21.3	51.4*	36.4
Stine 4842-4	None	9-15	26	1	21.1	56.8**	39.0
Dyna-Gro 3443NRR	5	9-16	27	1	19.8	52.4*	36.1
ASGROW AG4404	3, 7	9-09	29	1	19.6	--	--
ASGROW AG3905##	3, 7	9-11	26	1	19.4	51.4*	35.4
Delta King DK4461	2, 6	9-17	25	1	19.3	53.1*	36.2
Dyna-Gro 39G43	5	9-12	28	1	19.2	--	--

TABLE 20. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Delta King DKXTJ650	2, 6	9-14	30	1	19.2	--	--
ASGROW AG3802##	3, 7	9-02	33	1	18.7	52.8*	35.8
DEKALB DKB42-51	3, 7	9-09	27	1	18.7	--	--
Mersch. Austin 643RR	None	9-11	24	1	18.7	--	--
Midland MG 4406NRS	None	9-04	32	1	18.5	--	--
Delta King DK4566	2, 6	9-07	33	1	17.3	--	--
Croplan Genetics RC4095	4, 7	9-11	29	1	16.5	--	--
Midwest Seed Gen. GR4454	None	9-09	23	1	16.1	--	--
Pioneer 93M90##	3, 7	8-31	26	1	12.6	--	--
Pioneer 93M50##	2, 4	8-28	27	1	9.8	--	--
GROUP 4 AVERAGE		9-12	29	1	21.9	49.8	35.9
L.S.D. AT .10					4.3	5.6	
C.V. %					13.6	8.1	
MATURITY GROUP 5							
Willcross RR2544NSTS	2, 4	9-24	31	1	26.4**	--	--
MPride/MPV 5505nRR	3, 4, 7	9-23	32	1	24.4*	43.5	34.0
MFA Morsoy RT 5154N	5	9-22	32	1	23.3	--	--
Delta King DK5066	2, 6	9-22	26	1	21.5	--	--
MFA Morsoy RT 5043N	5	9-19	30	1	20.8	55.9**	38.4
Willcross RR2525N	8	9-17	25	1	16.8	48.0	32.4
GROUP 5 AVERAGE		9-20	29	1	22.2	46.1	34.2
L.S.D. AT .10					2.3	3.1	
C.V. %					8.3	5.7	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 21. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Southwest Missouri locations (Harrisonville, Adrian, Urich, Nevada, Lamar) during 2005.

<u>Harrisonville</u> Planted: 05-05 Harvested: 10-12 Growing Season Rainfall: 24.7 in. Irrigation: 2.25 in.	<u>Adrian</u> Planted: 05-04 Harvested: 10-05, 10-12 Growing Season Rainfall: 24.9 in. Irrigation: 0 in.	<u>Urich</u> Planted: 05-04 Harvested: 10-13, 10-17 Growing Season Rainfall: 22.7 in. Irrigation: 0 in.
<u>Nevada</u> Planted: 05-12 Harvested: 10-07, 10-19 Growing Season Rainfall: 12.9 in. Irrigation: 5 in.	<u>Lamar</u> Planted: 05-03 Harvested: 10-06, 10-7 Growing Season Rainfall: 16.7 in. Irrigation: 0 in.	

Brand-Variety	Yield (Bu/Acre)					
	Harrisonville	Adrian	Urich	Nevada	Lamar	Mean
MATURITY GROUP 4						
Kruger K-433RR/SCN	60.8**	42.5*	59.9**	55.2*	25.7*	48.8**
Croplan Genetics RC4455	60.0*	42.3*	56.0*	57.1*	25.0*	48.1*
MPride/MPV 4905nRR	57.4*	42.4*	54.0	53.2*	24.1*	46.2*
Mersch. Rocky RR	55.8*	41.1	54.5	54.0*	23.0	45.7
MFA Morsoy RT 4480N	57.6*	41.5	58.2*	48.0	22.6	45.6
MFA Morsoy RT 4485N	48.4	43.0*	56.9*	57.5**	22.0	45.6
Willcross RR2446N	48.6	42.3*	56.1*	54.7*	25.1*	45.4
MFA Morsoy RT 4225N	57.1*	38.4	51.7	53.5*	25.4*	45.2
MFA Morsoy RT 4683N	55.8*	37.5	52.6	55.2*	23.3	44.9
Pioneer 94M80	52.5*	45.6*	54.4	47.0	24.6*	44.8
Delta King DK4866	48.5	46.2**	52.8	47.1	28.1**	44.5
MFA Morsoy RTS 4824	52.5*	43.6*	49.7	50.3	25.1*	44.2
Delta King DK4763	51.3*	41.7*	54.7	48.9	24.5*	44.2
Pioneer 94M30	55.1*	35.4	52.1	54.9*	22.1	43.9
Mersch. Dallas RR	53.7*	41.2	54.6	48.7	21.3	43.9
Dyna-Gro 36M49	52.5*	37.4	51.3	53.7*	24.5*	43.9
Willcross RR2432N	56.1*	38.3	55.2	46.5	22.4	43.7
Willcross RR2486N	54.2*	37.5	54.1	48.6	24.0*	43.7
MPride/MPV 4404nRR	48.8	41.1	57.7*	48.2	22.5	43.6
Mersch. Memphis 642RR	50.2	41.7*	54.2	50.1	21.6	43.6
ASGROW AG4703	55.0*	36.0	53.8	49.3	23.3	43.5
Willcross RR2484N	47.4	38.5	57.6*	50.6	23.0	43.4
Stone HC 2405NRR	49.5	39.4	50.7	52.4*	23.2	43.0
Delta King DK4461	53.2*	40.2	53.2	48.6	19.3	42.9
Delta King DKXTJ650	52.6*	40.7	56.4*	45.0	19.2	42.8
MFA Morsoy RT 4731N	48.5	38.0	52.3	51.5	23.1	42.7
ASGROW AG4902	48.7	41.3	49.8	52.2*	21.3	42.6
Dyna-Gro 3443NRR	56.9*	37.1	54.4	45.0	19.8	42.6
MPride/MPV 4705nRR	47.2	38.1	57.5*	45.7	24.7*	42.6
Kruger K-473RR/SCN	45.0	39.5	56.0*	48.0	24.0*	42.5
Delta King DKXTJ6G51	45.0	39.9	52.3	51.4	23.7	42.5
Midland MG 4806NRS	42.3	44.9*	49.7	49.3	26.1*	42.5
MFA Morsoy RT 4845N	47.9	38.9	53.0	48.8	22.9	42.3
DEKALB DKB46-51	44.4	43.0*	54.3	47.3	22.1	42.2
Mersch. Austin 643RR	49.2	31.8	54.0	54.9*	18.7	41.7
Midwest Seed Gen. GR4752	43.5	41.8*	51.3	46.5	24.6*	41.5
Garst D484RR	39.9	39.8	53.6	50.0	21.7	41.0
Stine 4532-4	50.8*	33.9	52.2	45.9	22.0	41.0
Dyna-Gro 39G43	51.6*	37.3	50.0	45.4	19.2	40.7
Delta King DK4967	36.1	40.6	54.4	48.0	23.7	40.6

Table 21. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
ASGROW AG4801	40.1	33.5	52.9	51.2	24.7*	40.5
ASGROW AG4404	47.4	32.8	50.1	51.1	19.6	40.2
Midwest Seed Gen. GR4454	47.7	34.7	52.8	48.9	16.1	40.0
Stine 4842-4	47.8	34.8	49.8	46.3	21.1	40.0
Midland MG 9A494XRR	43.5	38.9	47.3	45.8	22.7	39.6
Dyna-Gro 3468NRR	37.6	38.8	49.4	48.1	22.8	39.3
Croplan Genetics RC4095	48.8	33.8	48.8	46.8	16.5	38.9
ASGROW AG3905##	42.3	35.1	48.5	48.2	19.4	38.7
DEKALB DKB42-51	50.7*	28.3	49.4	46.2	18.7	38.7
Midland MG 4406NRS	41.7	33.1	51.0	48.3	18.5	38.5
ASGROW AG3802##	47.1	30.7	50.1	46.0	18.7	38.5
Delta King DK4566	48.0	34.2	47.2	45.7	17.3	38.5
Croplan Genetics RC4655	39.2	36.0	49.8	37.0	22.8	37.0
Pioneer 93M90##	46.4	30.9	46.9	46.3	12.6	36.6
Pioneer 93M50##	47.9	28.2	41.3	47.2	9.8	34.9
GROUP 4 AVERAGE	49.2	38.3	52.6	49.3	21.9	42.3
L.S.D. AT .10	10.3	4.5	4.2	5.9	4.3	2.8
C.V. %	14.4	8.3	5.4	8.2	13.6	10.0

MATURITY GROUP 5

Willcross RR2544NSTS	-	48.4**	60.8*	63.1**	26.4**	49.7**
MPride/MPV 5505nRR	-	47.7*	64.6**	59.9*	24.4*	49.2*
MFA Morsoy RT 5154N	-	42.7	58.4	59.0*	23.3	45.8
Delta King DK5066	-	42.0	56.4	60.6*	21.5	45.1
MFA Morsoy RT 5043N	-	43.4	54.0	57.8	20.8	44.0
Willcross RR2525N	-	38.8	53.1	54.0	16.8	40.7
GROUP 5 AVERAGE	-	43.8	57.9	59.1	22.2	45.8
L.S.D. AT .10	-	2.7	4.5	4.6	2.3	1.8
C.V. %	-	5.0	6.3	6.3	8.3	6.5

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

Note: To view seed treatments for these varieties refer to the location table or the characteristics chart.

Maturity group III soybean variety entered in the maturity group IV test.

TABLE 22. Non-Glyphosate Resistant / Special Traits Soybean Test

Southwest Region: Adrian, MO (Bates County)

Soil Type: Kenoma Silt Loam Soil Test: pH=6.4; OM=2.3%; P=28; K=338

Cyst Nematode Population at Planting: Eggs/250cc of Soil

Rainfall: May=3.5, June=7.0, July=1.3, Aug.=10.4, Sept.=2.7 Total=24.9 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 5							
S00-99970-09	None	10-02	28	1	39.3**	--	--
High Yield Check 3	-	9-26	23	1	37.0*	--	--
S00-9925-10	None	9-28	27	1	36.2	--	--
Anand	8	10-01	27	1	35.8	50.5	43.2
High Yield Check 2	-	10-03	30	1	33.4	--	--
High Yield Check 1	-	9-26	30	1	33.0	--	--
GROUP 5 AVERAGE		9-28	28	1	35.8	61.1	48.5
L.S.D. AT .10					2.9	NS	
C.V. %					6.4	4.9	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 23. Non-Glyphosate Resistant / Special Traits Soybean Test

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=5.6; OM=2.2%; P=22; K=252

Cyst Nematode Population at Planting: Eggs/250cc of Soil

Rainfall: May=2.6, June=5.2, July=1.7, Aug.=9.6, Sept.=3.6 Total=22.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2003	
MATURITY GROUP 5							
S00-99970-09	None	10-09	45	3	55.2**	--	--
Anand	8	10-06	34	1	53.8*	45.0**	49.4
High Yield Check 2	-	10-09	50	3	50.9	--	--
High Yield Check 1	-	9-23	45	2	50.3	--	--
High Yield Check 3	-	9-24	42	1	48.5	--	--
S00-9925-10	None	10-06	35	3	48.5	--	--
GROUP 5 AVERAGE		10-02	42	2	51.2	37.8	44.5
L.S.D. AT .10					2.5	5.8	
C.V. %					4.0	11.9	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 24. Non-Glyphosate Resistant / Special Traits Soybean Test

Southwest Region: Nevada, MO (Vernon County)

Soil Type: Parsons Silt Loam Soil Test: pH=6.3; OM=1.5%; P=78; K=268

Cyst Nematode Population at Planting: Eggs/250cc of Soil

Rainfall: May=1.4, June=5.5, July=1.4, Aug.=3.2, Sept.=1.4 Total=12.9 in.

Irrigation: 5 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 5							
S00-99970-09	None	10-02	32	2	57.3**	--	--
Anand	8	10-01	30	4	57.3**	51.3	54.3
S00-9925-10	None	10-01	31	4	53.1*	--	--
High Yield Check 3	-	9-22	30	1	50.5	--	--
High Yield Check 1	-	9-26	36	3	50.5	--	--
High Yield Check 2	-	10-09	39	3	48.4	--	--
GROUP 5 AVERAGE		9-29	33	3	52.9	57.5	55.2
L.S.D. AT .10					4.9	NS	
C.V. %					7.4	15.1	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 25. Non-Glyphosate Resistant / Special Traits Soybean Test

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parsons Silt Loam Soil Test: pH=5.8; OM=0.7%; P=20; K=90

Cyst Nematode Population at Planting: Eggs/250cc of Soil

Rainfall: May=3.0, June=4.2, July=1.1, Aug.=4.8, Sept.=3.6 Total=16.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 5							
High Yield Check 2	-	9-28	31	1	26.2**	--	--
S00-9925-10	None	9-22	26	1	24.6	--	--
Anand	8	9-24	24	1	24.6	47.4	36.0
S00-99970-09	None	9-28	27	1	24.4	--	--
High Yield Check 1	-	9-17	27	1	22.8	--	--
High Yield Check 3	-	9-12	25	1	21.9	--	--
GROUP 5 AVERAGE		9-21	27	1	24.1	49.9	37.0
L.S.D. AT .10					NS	3.2	
C.V. %					9.2	4.9	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 26. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Four Southwest Missouri locations (Adrian, Urich, Nevada, Lamar) during 2005.

Adrian

Planted: 05-04
Harvested: 10-12
Growing Season Rainfall: 24.9 in.
Irrigation: 0 in.

Urich

Planted: 05-04
Harvested: 10-17
Growing Season Rainfall: 22.7 in.
Irrigation: 0 in.

Nevada

Planted: 05-12
Harvested: 10-19
Growing Season Rainfall: 12.9 in.
Irrigation: 5 in.

Lamar

Planted: 05-03
Harvested: 10-07
Growing Season Rainfall: 16.7 in.
Irrigation: 0 in.

Brand-Variety	Yield (Bu/Acre)				
	Adrian	Urich	Nevada	Lamar	Mean
MATURITY GROUP 5					
S00-99970-09	39.3**	55.2**	57.3**	24.4	44.0**
Anand	35.8	53.8*	57.3**	24.6	42.9*
S00-9925-10	36.2	48.5	53.1*	24.6	40.6
High Yield Check 2	33.4	50.9	48.4	26.2**	39.7
High Yield Check 3	37.0*	48.5	50.5	21.9	39.5
High Yield Check 1	33.0	50.3	50.5	22.8	39.1
GROUP 5 AVERAGE	35.8	51.2	52.9	24.1	41.0
L.S.D. AT .10	2.9	2.5	4.9	NS	1.6
C.V. %	6.4	4.0	7.4	9.2	6.8

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

Note: To view seed treatments for these varieties refer to the location table or the characteristics chart.

Southeast Region Crop Management Summary

There are five locations in the southeastern region of Missouri for glyphosate resistant and non-glyphosate resistant / special trait soybean tests. They are located in counties where a significant number of acres of soybean are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates were from May 3 to May 16 at the five locations with soil conditions being good at all locations. Rainfall was below normal for southeastern Missouri and temperatures were above normal providing challenging growing conditions for the soybean crop. Yields at Morley were low because the sandy soil there couldn't hold enough water to sustain the soybeans between irrigations and rainfall. Yields at the other 4 sites were about normal for the year. Maturity dates for some of the later maturing varieties at Morely and Morehouse were inadvertently missed. The plots were harvested before we realized the omission. Please refer to the maturity dates at the other 3 locations.

Climatological information for the growing season for Southeast Missouri (May 1 – September 30) is summarized below.

Average temperature = 75.2 degrees, 1.1 degrees above normal

Average precipitation = 16.5", 2.6" below normal

Table 27. Southeast Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide	
			N	P ₂ O ₅	K ₂ O		Pre	Post
<i>Glyphosate Resistant Soybean Tests</i>								
Oran	05-13	10-13, 10-19	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Roundup WeatherMax
Morely	05-11, 05-12	09-30, 10-14	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Roundup WeatherMax
Morehouse	05-16	10-11	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Roundup WeatherMax
Portageville (Loam)	05-03	09-27, 10-06	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Roundup WeatherMax
Portageville (Clay)	05-06	09-28, 10-05	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Roundup WeatherMax
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Oran	05-13	10-19	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Reflex, Select
Morely	05-11	10-14	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Reflex, Select
Morehouse	05-16	10-11	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Reflex, Select
Portageville (Loam)	05-03	10-07	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Reflex, Select
Portageville (Clay)	05-09	10-06	0	0	0	Conv.	Dual II Magnum, Scepter, Roundup WeatherMax	Reflex, Select

TABLE 28. Glyphosate Resistant Soybean Test

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.7; OM=3.3%; P=59; K=244

Cyst Nematode Population at Planting: 1162 Eggs/250cc of Soil

Rainfall: May=2.2, June=3.6, July=6.2, Aug.=3.2, Sept.=4.8 Total=20.0 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Progeny 3805RR##	None	9-13	35	1	55.8**	--	--
Morsoy RT 4993N	5	9-27	39	1	53.1*	52.7	52.9
Delta King DKXTJ6L49	2, 6	10-02	39	1	52.9*	--	--
MPride/MPV 4506nRR	3, 4, 7	9-27	51	1	52.6*	--	--
Progeny 4805RR	None	10-02	43	1	52.2*	--	--
ASGROW AG4903	3, 7	9-29	41	1	51.4*	56.6*	54.0
Delta Grow 4840RR	2	10-02	40	1	51.1*	53.3	52.2
Delta King DK4868	2, 6	9-26	43	1	51.0*	54.4*	52.7
Mersch. Austin 643RR	None	9-25	32	1	50.1*	--	--
Delta Grow 4970RR	2	10-01	43	1	49.9*	48.1	49.0
ASGROW AG4801	3, 7	9-25	35	1	49.9*	53.0	51.5
ASGROW AG4404	3, 7	9-25	39	1	49.8*	--	--
Delta King DK4866	2, 6	9-24	41	1	49.7*	54.9*	52.3
FFR 4545RR	3	9-27	42	1	49.7*	--	--
UniSouth USG 7484nRR	10	10-02	42	1	49.4*	56.2*	52.8
MPride/MPV 4905nRR	3, 4, 7	9-26	43	1	49.3*	50.5	49.9
Delta Grow 4250RR	2	9-15	35	1	49.0	--	--
Excel 8509NRR	4	10-05	44	3	48.9	--	--
Delta Grow 4860RR	2	9-25	42	2	48.9	53.4	51.2
MFA Morsoy RT 4485N	5	9-27	44	2	48.6	--	--
Delta King DK4967	2, 6	9-26	40	2	48.2	59.6**	53.9
Delta King DKXTJ650	2, 6	9-27	47	1	48.0	--	--
Stine 4842-4	None	9-27	38	2	47.9	47.6	47.8
Dyna-Gro 37A44	NA	9-26	42	1	47.6	--	--
Vigoro V44N6RR	2	9-26	46	1	47.5	--	--
Delta King DKXTJ6G51	2, 6	10-04	42	1	47.4	--	--
Mersch. Rocky RR	9	9-26	38	1	47.4	55.0*	51.2
Mersch. Dallas RR	9	9-26	38	2	47.3	53.0	50.2
Delta King DKXTJ638##	2, 6	9-14	38	1	47.3	--	--
Progeny 4804RR	None	9-27	36	2	47.3	51.6	49.5
Trisoy 4858RR(CN)	None	10-05	39	1	47.0	--	--
FFR 4925RR	3, 4, 7	9-27	47	1	46.8	--	--
Delta King DKXTJ640	2, 6	9-26	38	1	46.8	--	--
Garst 3824RR/N##	5	9-13	35	1	46.6	--	--
Dyna-Gro 35Z49	NA	9-29	51	1	46.6	--	--
Morsoy RTS 4955N	5	9-28	40	2	46.5	--	--
MPride/MPV 4404nRR	3, 4, 7	9-26	44	1	46.5	52.5	49.5
MPride/MPV 4706nRR	3, 4, 7	9-26	51	1	46.4	--	--
Schillinger 495.RC	None	10-02	43	2	46.4	--	--
Hornbeck HBK R4924	NA	9-29	45	2	46.4	53.2	49.8
Progeny 4604RR	None	9-26	38	3	46.1	50.5	48.3
UniSouth USG 7499nRR	10	9-27	46	2	46.0	54.5*	50.3
Schillinger 476.RC	None	10-02	39	2	46.0	--	--
Dyna-Gro 36Y48	NA	9-28	44	2	45.9	--	--
Trisoy 4557RR(CN)	None	9-26	46	2	45.8	--	--

TABLE 28. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
UniSouth USG 7475RR	10	9-26	46	1	45.7	--	--
Delta Grow 4960RR	2	10-02	47	2	45.7	48.3	47.0
Progeny 4405RR	None	9-25	46	2	45.5	--	--
Delta King DK4763	2, 6	9-27	44	1	45.5	56.6*	51.1
Delta King DK4661	2, 6	9-26	48	1	45.3	50.4	47.9
Southern Cross Reuben	None	9-29	45	1	44.9	--	--
Gateway 4R495	None	9-30	42	1	44.9	52.1	48.5
Delta King DK4667	2, 6	9-26	44	2	44.8	--	--
ASGROW AG4703	3, 7	9-26	37	1	44.7	--	--
Croplan Genetics RC4842RR	None	9-26	40	1	44.7	--	--
Progeny 3900RR##	None	9-13	36	1	44.7	48.5	46.6
Garst D484RR	5	9-27	48	2	44.5	--	--
Gateway 4RS421	None	9-26	33	1	44.5	55.6*	50.1
Stine 4532-4	None	9-30	45	1	44.5	--	--
Armor GP-422	None	9-16	46	2	44.4	--	--
Mersch. Richmond 649RR	None	10-03	44	1	44.2	--	--
Hornbeck HBK R4820	NA	9-26	41	1	44.1	59.1*	51.6
Morsoy RT 4802N	5	9-27	46	2	44.0	--	--
Pioneer 94M80	3, 7	9-27	52	2	43.6	--	--
Southern Cross Stephen##	None	9-14	38	2	43.6	--	--
Garst 3624RR/N##	5	9-14	35	1	43.5	--	--
Morsoy RT 4914N	5	9-29	42	2	43.5	--	--
Progeny 4315RR	None	9-25	42	1	43.4	--	--
Delta Pine DP 4933 RR	None	9-26	46	1	43.4	45.5	44.5
Progeny 4205RR	None	9-26	40	1	43.3	--	--
Delta King DKXTJ6D44	2, 6	9-27	43	2	43.1	--	--
Hornbeck HBK R4724	NA	9-29	37	1	43.0	53.6	48.3
UniSouth USG 7473nRR	10	9-26	50	1	42.7	52.7	47.7
Delta King DK4461	2, 6	9-27	42	1	42.7	58.8*	50.8
Delta Grow 4460RR	2	9-16	44	2	42.6	--	--
UniSouth USG 7455nRR	10	9-27	44	2	42.5	--	--
ASGROW AG4503	3, 7	9-16	37	1	42.3	--	--
Armor GP-470	None	9-26	44	2	42.3	--	--
Croplan Genetics RC4992RR	None	9-28	48	1	42.2	--	--
Armor 47-G7	None	9-26	41	1	42.1	51.6	46.9
Dyna-Gro 3481NRR	None	9-25	41	1	42.0	53.0	47.5
MPride/MPV 4705nRR	3, 4, 7	9-26	44	2	42.0	--	--
Hornbeck HBK R3824	NA	9-23	43	1	42.0	--	--
Delta Pine DP 3861 RR##	None	9-14	36	1	41.9	49.4	45.7
Morsoy RT 4665N	5	9-26	46	2	41.8	--	--
Mersch. Memphis 642RR	None	9-22	45	2	41.8	--	--
Progeny 4401RR	None	9-28	36	1	41.8	54.9*	48.4
Delta Grow 3950RR##	2	9-15	38	1	41.8	--	--
UniSouth USG 7440nRR	10	9-27	38	1	41.8	52.3	47.1
Delta Grow 4150RR	2	9-15	38	1	41.8	--	--
Progeny 4949RR	None	9-29	44	2	41.5	46.2	43.9
NK Brand S35-F9##	2	9-12	37	2	41.4	--	--
Dyna-Gro 3443NRR	5	9-25	39	1	41.4	56.3*	48.9
MFA Morsoy RT 4731N	5	9-26	40	1	41.2	--	--
NK Brand S49-Q9	2	9-26	46	1	41.1	53.4	47.3
Progeny 3905RR##	None	9-13	39	1	41.1	--	--
Delta Pine DP 4724 RR	None	9-25	41	2	41.1	57.8*	49.5
Dyna-Gro 35B40	NA	9-16	43	1	40.9	--	--
Armor 42-B2	None	9-13	42	1	40.6	--	--

TABLE 28. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
FFR 4705RR	3, 4, 7	9-27	42	1	40.5	--	--
Armor GP-474	None	10-02	42	1	40.5	53.2	46.9
Dyna-Gro 36M49	5	9-26	41	1	40.4	44.6	42.5
Trisoy 4254RR(CN)	None	9-16	34	1	40.4	--	--
Vigoro V48N5RR	2	9-20	39	2	40.4	53.0	46.7
Mersch. Washington IXRR##	9	9-15	37	1	40.3	42.4	41.4
Delta King DK3967##	2, 6	9-13	40	2	40.0	--	--
Armor GP-488	None	9-29	39	1	39.9	--	--
Pioneer 94M90	None	9-29	38	3	39.6	48.9	44.3
Golden Harvest H-4878RR	None	9-27	43	1	39.6	--	--
Pioneer 93M90##	3, 7	9-14	39	1	39.3	--	--
UniSouth USG 7466nRR	10	9-26	39	2	39.1	--	--
Delta King DK4566	2, 6	9-16	44	1	38.8	51.2	45.0
Pioneer 94M50	None	9-24	37	1	38.7	--	--
Delta Grow 4660RR	2	9-25	43	2	38.6	--	--
Delta King DKXTJ648	2, 6	9-26	46	2	38.4	--	--
Pioneer 94B73	None	9-26	35	1	37.4	54.1*	45.8
Delta King DK3968##	2, 6	9-13	37	1	37.4	44.5	41.0
Dyna-Gro 37F46	NA	9-24	43	1	37.3	--	--
Delta Pine DP 4331 RR	None	9-26	35	1	36.5	57.5*	47.0
Croplan Genetics RC4444RR	None	9-27	39	1	35.7	--	--
Southern Cross Levi	None	9-27	34	1	34.9	--	--
Pioneer 94M70	None	9-16	46	3	34.0	45.5	39.8
Progeny 4615RR	None	9-27	43	1	34.0	--	--
Dyna-Gro 3463NRR	NA	9-25	42	1	33.9	47.8	40.9
Delta Pine DP 4546 RR	None	9-27	44	2	32.1	46.7	39.4
Armor 44-R4	None	9-29	38	1	29.9	47.6	38.8
Delta Pine DPX 1908 RR	None	9-16	41	3	28.5	--	--
Hornbeck HBK R4623	None	9-25	38	1	28.3	49.7	39.0
GROUP 4 AVERAGE		9-24	41	1	43.6	51.2	47.4
L.S.D. AT .10					6.5	5.8	
C.V. %					10.7	8.1	

MATURITY GROUP 5

UniSouth USG 7553nRS	10	10-09	40	1	59.3**	46.7*	53.0
FFR 5663RR	3	10-07	41	1	56.3*	49.5*	52.9
MFA Morsoy RT 5043N	5	9-27	44	1	55.6*	--	--
Delta King DKXTJ6K54	2, 6	10-07	44	1	55.1*	--	--
MPride/MPV 5505nRR	3, 4, 7	10-10	44	1	55.0*	45.7	50.4
Delta Grow 5830RR	2	10-12	40	1	53.9*	--	--
Mersch. Rushmore 553RR	9	10-03	43	1	53.9*	48.4*	51.2
Delta Grow 5630RR	2	10-09	44	1	53.2	39.9	46.6
Delta Pine DP 5915 RR	None	10-12	43	2	53.1	44.2	48.7
Delta King DK5466	2, 6	10-05	44	2	53.0	--	--
UniSouth USG 7504nRR	10	9-29	38	1	52.6	47.1*	49.9
Progeny 5605RR	None	10-12	39	2	52.3	--	--
Delta King DK5967	2, 6	10-09	46	1	52.2	49.1*	50.7
Delta Grow 5460RR	2	10-08	43	1	52.1	40.7	46.4
ASGROW AG5605	3, 7	10-09	41	1	51.8	46.0*	48.9
Progeny 5205RR	None	10-01	49	3	51.7	--	--
Delta Grow 5650RR	2	10-07	43	2	51.6	47.4*	49.5
Armor GP-555	None	10-05	38	3	51.3	--	--

TABLE 28. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Delta King DKXTJ6G510	2, 6	9-29	50	2	51.0	--	--
Progeny 5660RR	None	10-09	49	2	50.8	40.8	45.8
UniSouth USG 7505nRR	10	10-03	46	3	50.8	--	--
ASGROW AG5301	3, 7	10-03	47	2	50.5	41.6	46.1
Armor 53-K3	None	10-09	38	2	50.4	44.0	47.2
Delta King DK55T6	2, 6	10-10	48	2	50.0	48.5*	49.3
TN05 - 547RR	None	10-09	45	2	49.9	--	--
Progeny 5250RR	None	10-05	39	1	49.7	44.8	47.3
MPride/MPV 5206nRR	3, 4, 7	10-01	46	1	49.5	--	--
Morsoy RT 5620N	5	10-09	41	3	49.5	--	--
Dyna-Gro 3583NRR	NA	10-10	43	2	49.3	48.0*	48.7
NK Brand S56-D7	2	10-05	38	2	49.3	40.8	45.1
Delta Grow 5560RR	2	10-10	43	1	49.0	--	--
Pioneer 95M50	None	10-05	44	1	49.0	--	--
Delta King DK5366	2, 6	10-11	43	2	48.9	49.6*	49.3
Golden Harvest H-5053RR	None	9-30	36	1	48.2	--	--
Armor 54-03	None	10-08	39	2	48.0	42.2	45.1
Delta King DKXTJ6501	2, 6	9-28	44	1	47.9	--	--
Armor ARX B57104	None	10-08	37	2	47.7	--	--
Delta Pine DP 5808 RR	7	10-07	52	3	47.7	41.7	44.7
Progeny 5115RR	None	10-02	50	1	47.5	--	--
Delta King DK5567	2, 6	10-09	43	2	47.5	45.2	46.4
ASGROW AG5702	3, 7	10-05	35	1	47.3	--	--
Delta Grow 5260RR	2	10-04	40	1	47.1	39.0	43.1
Delta Grow 5960RR	2	10-07	42	1	46.9	--	--
UniSouth USG 510nRR	10	10-03	44	2	46.9	48.0*	47.5
UniSouth USG 7515NRR	10	9-29	46	2	46.8	--	--
Progeny 5622RR	None	10-10	43	2	46.4	49.1*	47.8
Mersch. Olympus RR	9	9-26	48	2	46.1	40.2	43.2
Delta Pine DP 5634 RR	None	10-03	49	2	46.1	42.5	44.3
Hornbeck HBK R5525	NA	10-10	40	1	45.8	--	--
NK Brand S52-U3	2	10-03	38	2	45.5	38.7	42.1
Hornbeck HBK R5425	3, 7	10-11	47	1	45.5	--	--
Delta King DK5066	2, 6	10-02	42	2	45.4	--	--
Dyna-Gro 33X55	NA	10-05	35	1	45.1	--	--
Dyna-Gro 3535NRR	NA	10-10	37	1	44.9	43.0	44.0
Progeny 5105RR	None	10-02	39	1	44.7	--	--
Delta Grow 5160RR	2	9-27	47	2	44.3	--	--
Morsoy RT 5553N	5	10-05	47	2	44.0	47.4*	45.7
Dyna-Gro 3562NRR	NA	10-09	33	2	43.9	44.5	44.2
Delta Pine DP 5414 RR	None	10-03	47	2	43.6	43.5	43.6
Mersch. Everest RR	9	10-03	43	1	43.0	38.6	40.8
Dyna-Gro 33B52	NA	10-01	40	3	42.9	40.9	41.9
Dyna-Gro 36N57	NA	10-07	40	3	42.9	--	--
Crow's C5515R	None	10-04	45	2	42.0	--	--
FFR 5033RR	3	10-01	44	2	41.8	49.9*	45.9
Dyna-Gro 38K57	NA	10-09	33	2	40.9	42.5	41.7
Southern Cross Abner	None	10-01	42	2	40.3	--	--
Croplan Genetics RC5332RR	None	10-01	45	1	39.5	--	--
Hornbeck HBK 5324	NA	10-03	31	1	38.8	44.9	41.9

TABLE 28. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Delta King DK5161	2, 6	10-02	42	3	37.6	48.4*	43.0
Armor GP-513	None	10-02	34	3	36.7	--	--
Armor GP-530	None	10-05	40	1	34.2	41.3	37.8
Crow's C5215R	None	10-03	37	2	33.4	--	--
GROUP 5 AVERAGE		10-04	42	2	47.6	44.1	45.9
L.S.D. AT .10					5.8	5.6	
C.V. %					8.6	9.2	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 29. **Glyphosate Resistant Soybean Test**

Southeast Region: Morely, MO (Mississippi County)

Soil Type: Clana Loamy Sand Soil Test: pH=5.9; OM=1.8%; P=86; K=171

Cyst Nematode Population at Planting: 1655 Eggs/250cc of Soil

Rainfall: May=2.2, June=3.6, July=6.2, Aug.=3.2, Sept.=4.8 Total=20.0 in.

Irrigation: 2.2 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Mersch. Memphis 642RR	None	9-16	40	1	40.1**	--	--
Delta Grow 4250RR	2	9-15	37	1	39.7*	--	--
Delta Grow 4840RR	2	9-24	30	1	39.6*	47.2*	43.4
Progeny 4804RR	None	9-23	30	2	39.4*	43.0	41.2
Morsoy RTS 4955N	5	9-26	35	2	36.6*	--	--
Dyna-Gro 36M49	5	9-26	37	1	36.4*	48.3*	42.4
Delta King DKXTJ6G51	2, 6	9-26	34	1	36.4*	--	--
MFA Morsoy RT 4485N	5	9-18	26	1	36.4*	--	--
UniSouth USG 7484nRR	10	9-25	34	2	36.2*	52.2*	44.2
Mersch. Richmond 649RR	None	9-26	33	2	36.2*	--	--
UniSouth USG 7466nRR	10	9-16	27	1	36.1*	--	--
MPride/MPV 4905nRR	3, 4, 7	9-25	33	2	36.1*	47.7*	41.9
Delta King DK4667	2, 6	9-26	35	2	35.9*	--	--
Dyna-Gro 36Y48	NA	9-26	35	1	35.8*	--	--
Dyna-Gro 35Z49	NA	9-29	32	1	35.8*	--	--
Delta King DKXTJ6D44	2, 6	9-16	24	2	34.7*	--	--
Vigoro V44N6RR	2	9-18	34	1	34.6*	--	--
Stine 4842-4	None	9-27	38	1	34.3*	38.5	36.4
Delta King DK4763	2, 6	9-18	29	1	34.0*	40.5	37.3
Mersch. Rocky RR	9	9-27	28	1	33.9	55.1*	44.5
UniSouth USG 7499nRR	10	9-27	35	1	33.9	41.8	37.9
Hornbeck HBK R4924	NA	9-26	39	2	33.8	37.5	35.7
Pioneer 94M50	None	9-18	24	1	33.2	--	--
Southern Cross Reuben	None	9-28	36	1	33.1	--	--
Stine 4532-4	None	9-26	37	1	33.1	--	--
UniSouth USG 7473nRR	10	9-18	36	1	33.0	42.2	37.6
Delta King DK4566	2, 6	9-14	34	1	32.6	37.2	34.9
UniSouth USG 7455nRR	10	9-17	30	1	32.6	--	--
Progeny 4405RR	None	9-16	36	2	32.5	--	--
Dyna-Gro 3443NRR	5	9-17	27	1	32.0	32.4	32.2
Armor GP-474	None	9-26	29	1	32.0	46.7*	39.4
Morsoy RT 4665N	5	9-22	36	1	31.9	--	--
Delta Grow 4660RR	2	9-21	33	1	31.7	--	--
Delta Grow 4150RR	2	9-18	30	1	31.4	--	--
Delta Grow 4960RR	2	9-24	33	1	31.4	39.2	35.3
Delta Pine DP 4724 RR	None	9-18	30	1	31.4	35.7	33.6
Morsoy RT 4993N	5	9-19	28	2	31.3	46.7*	39.0
Delta King DKXTJ6L49	2, 6	10-01	30	1	31.3	--	--
MPride/MPV 4705nRR	3, 4, 7	9-18	32	1	31.3	--	--
Delta Grow 4460RR	2	9-19	34	2	30.1	--	--
Dyna-Gro 3481NRR	None	9-23	28	1	30.1	32.6	31.4
Progeny 4604RR	None	9-23	24	1	29.9	48.3*	39.1
ASGROW AG4801	3, 7	9-12	22	1	29.6	50.0*	39.8
Trisoy 4557RR(CN)	None	9-17	31	1	29.5	--	--
Progeny 4615RR	None	9-20	27	1	29.5	--	--

TABLE 29. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
NK Brand S49-Q9	2	9-26	39	1	29.2	46.3*	37.8
FFR 4705RR	3, 4, 7	9-21	25	1	29.2	--	--
Dyna-Gro 37F46	NA	9-20	32	2	29.0	--	--
Armor 44-R4	None	9-17	28	1	28.9	37.9	33.4
Pioneer 94M90	None	9-23	28	1	28.9	36.8	32.9
Mersch. Dallas RR	9	9-18	28	1	28.8	39.7	34.3
Gateway 4R495	None	9-22	31	1	28.7	47.7*	38.2
Armor 47-G7	None	9-18	22	1	28.5	34.8	31.7
Trisoy 4254RR(CN)	None	9-14	24	1	28.2	--	--
Schillinger 476.RC	None	9-26	30	1	28.1	--	--
Delta King DK3967##	2, 6	9-15	25	1	28.0	--	--
Progeny 4315RR	None	9-17	29	1	28.0	--	--
MFA Morsoy RT 4731N	5	9-18	30	1	27.9	--	--
FFR 4925RR	3, 4, 7	9-27	33	1	27.8	--	--
Delta Grow 4970RR	2	9-24	36	2	27.7	41.6	34.7
Progeny 4205RR	None	9-14	26	1	27.6	--	--
Dyna-Gro 37A44	NA	9-10	27	2	27.5	--	--
Delta King DK4461	2, 6	9-17	23	1	27.5	32.3	29.9
Pioneer 94M70	None	9-14	28	1	27.4	30.2	28.8
Delta Pine DP 4331 RR	None	9-18	30	1	27.3	40.3	33.8
Progeny 4805RR	None	9-26	28	1	27.2	--	--
Garst D484RR	5	9-26	34	1	27.2	--	--
UniSouth USG 7440nRR	10	9-24	31	1	27.0	39.0	33.0
Schillinger 495.RC	None	9-25	33	2	26.8	--	--
MPride/MPV 4506nRR	3, 4, 7	9-16	27	1	26.6	--	--
Progeny 4401RR	None	9-23	29	1	26.2	43.9	35.1
Pioneer 94M80	3, 7	9-21	33	1	26.1	--	--
Delta King DK4866	2, 6	9-11	29	1	26.1	34.0	30.1
Delta Grow 3950RR##	2	9-13	24	1	26.1	--	--
FFR 4545RR	3	9-23	39	1	26.0	--	--
Croplan Genetics RC4444RR	None	9-17	22	1	26.0	--	--
Delta King DKXTJ640	2, 6	9-16	31	1	25.9	--	--
Croplan Genetics RC4842RR	None	9-20	28	1	25.9	--	--
MPride/MPV 4706nRR	3, 4, 7	9-26	30	1	25.8	--	--
Garst 3624RR/N##	5	9-14	29	1	25.8	--	--
ASGROW AG4503	3, 7	9-12	26	1	25.4	--	--
ASGROW AG4404	3, 7	9-17	24	1	25.3	--	--
ASGROW AG4903	3, 7	9-26	28	1	25.3	22.6	24.0
MPride/MPV 4404nRR	3, 4, 7	9-24	33	1	25.2	35.0	30.1
Pioneer 93M90##	3, 7	9-12	29	1	24.9	--	--
Southern Cross Stephen##	None	9-18	23	1	24.7	--	--
Trisoy 4858RR(CN)	None	9-24	32	2	24.6	--	--
Excel 8509NRR	4	9-26	29	1	24.4	--	--
Pioneer 94B73	None	9-19	36	1	24.4	28.1	26.3
Morsoy RT 4802N	5	9-23	36	1	24.2	--	--
Croplan Genetics RC4992RR	None	9-28	35	1	24.1	--	--
Delta Pine DP 4933 RR	None	9-27	33	1	23.7	30.3	27.0
Delta Grow 4860RR	2	9-22	31	1	23.6	46.3*	35.0
Mersch. Austin 643RR	None	9-14	27	1	23.6	--	--
Delta Pine DP 3861 RR##	None	9-11	25	1	23.5	27.3	25.4
Hornbeck HBK R4623	None	9-16	28	1	23.2	36.2	29.7
ASGROW AG4703	3, 7	9-24	33	1	23.2	--	--
Delta Pine DPX 1908 RR	None	9-18	20	1	23.0	--	--
Delta Pine DP 4546 RR	None	9-22	30	1	22.9	35.1	29.0

TABLE 29. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
Delta King DK4967	2, 6	9-23	31	1	22.8	34.5	28.7
Morsoy RT 4914N	5	9-19	30	2	22.8	--	--
Mersch.Washington IXRR##	9	9-13	23	1	22.6	35.9	29.3
Dyna-Gro 35B40	NA	9-16	29	1	22.4	--	--
Dyna-Gro 3463NRR	NA	9-14	33	1	22.2	39.9	31.1
Garst 3824RR/N##	5	9-09	24	1	22.1	--	--
Hornbeck HBK R3824	NA	9-16	31	1	21.9	--	--
UniSouth USG 7475RR	10	9-15	28	1	21.8	--	--
Southern Cross Levi	None	9-19	24	1	21.8	--	--
Vigoro V48N5RR	2	9-25	32	1	21.6	35.6	28.6
Golden Harvest H-4878RR	None	9-24	36	2	21.5	--	--
Armor 42-B2	None	9-14	28	1	21.5	--	--
Delta King DKXTJ648	2, 6	9-23	34	1	21.4	--	--
Delta King DK3968##	2, 6	9-09	23	1	21.4	35.7	28.6
Progeny 3900RR##	None	9-12	24	2	21.1	31.4	26.3
Progeny 3805RR##	None	9-14	24	1	21.0	--	--
Delta King DK4868	2, 6	9-26	27	1	20.8	37.3	29.1
Progeny 3905RR##	None	9-09	29	1	20.7	--	--
Armor GP-488	None	9-27	27	1	20.7	--	--
Gateway 4RS421	None	9-14	24	1	20.6	28.9	24.8
NK Brand S35-F9##	2	9-09	22	1	20.5	--	--
Hornbeck HBK R4820	NA	9-27	32	1	19.9	31.5	25.7
Armor GP-422	None	9-14	31	1	19.1	--	--
Delta King DKXTJ638##	2, 6	9-18	16	1	18.8	--	--
Hornbeck HBK R4724	NA	9-16	31	1	18.3	39.6	29.0
Armor GP-470	None	9-20	30	1	17.6	--	--
Progeny 4949RR	None	9-26	34	1	17.6	39.8	28.7
Delta King DKXTJ650	2, 6	9-16	24	1	16.2	--	--
Delta King DK4661	2, 6	9-25	36	1	15.5	29.9	22.7
GROUP 4 AVERAGE		9-19	30	1	27.6	37.9	32.8
L.S.D. AT .10					6.1	12.0	
C.V. %					15.6	22.8	

MATURITY GROUP 5

MPride/MPV 5206nRR	3, 4, 7	9-29	37	1	39.2**	--	--
Progeny 5622RR	None	--	33	1	36.6*	42.9	39.8
UniSouth USG 7515NRR	10	9-26	35	1	35.5*	--	--
MFA Morsoy RT 5043N	5	9-26	33	1	33.4*	--	--
Dyna-Gro 3583NRR	NA	--	31	1	33.3*	45.7*	39.5
NK Brand S56-D7	2	10-05	29	1	32.7	40.8	36.8
Delta King DK5967	2, 6	10-07	34	1	32.6	38.9	35.8
Progeny 5115RR	None	10-03	37	1	32.4	--	--
Progeny 5105RR	None	9-26	41	1	32.3	--	--
Delta Grow 5650RR	2	10-03	30	1	31.8	46.0*	38.9
Delta King DK55T6	2, 6	--	29	1	31.7	50.8*	41.3
Delta Grow 5160RR	2	9-28	33	1	31.0	--	--
Morsoy RT 5620N	5	10-03	32	1	30.9	--	--
Progeny 5250RR	None	9-30	29	1	30.7	43.0	36.9
Crow's C5215R	None	9-29	34	1	30.7	--	--
Delta King DK5066	2, 6	9-26	33	1	30.5	--	--
Delta Grow 5830RR	2	--	27	1	30.4	--	--
Dyna-Gro 38K57	NA	10-01	38	1	29.8	42.7	36.3

TABLE 29. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
Delta King DK5466	2, 6	10-03	30	1	29.5	--	--
Golden Harvest H-5053RR	None	9-25	30	1	29.4	--	--
Hornbeck HBK 5324	NA	9-26	27	1	28.9	35.6	32.3
Delta Pine DP 5915 RR	None	--	28	1	28.8	37.0	32.9
UniSouth USG 510nRR	10	9-28	31	1	28.8	50.1*	39.5
Delta Grow 5460RR	2	9-27	29	1	28.6	49.5*	39.1
NK Brand S52-U3	2	10-02	26	1	28.3	39.4	33.9
Delta Grow 5960RR	2	--	28	1	28.2	--	--
Progeny 5605RR	None	--	28	1	27.7	--	--
UniSouth USG 7504nRR	10	9-26	31	1	27.7	46.7*	37.2
Pioneer 95M50	None	10-02	29	1	27.6	--	--
ASGROW AG5702	3, 7	10-03	29	1	27.5	--	--
Delta Grow 5630RR	2	--	36	1	27.0	42.9	35.0
Mersch. Everest RR	9	9-29	28	1	26.8	48.5*	37.7
Dyna-Gro 33X55	NA	--	23	1	26.7	--	--
Delta Grow 5260RR	2	9-30	32	1	26.5	45.5*	36.0
Hornbeck HBK R5525	NA	10-03	27	1	26.5	--	--
Delta King DK5567	2, 6	9-30	18	1	26.4	37.7	32.1
Dyna-Gro 3562NRR	NA	--	27	1	26.4	36.2	31.3
Dyna-Gro 3535NRR	NA	--	28	1	26.4	40.9	33.7
Delta King DKXTJ6G510	2, 6	10-01	35	1	26.3	--	--
FFR 5033RR	3	9-26	30	1	26.2	41.0	33.6
Morsoy RT 5553N	5	10-02	39	1	26.1	37.3	31.7
MPride/MPV 5505nRR	3, 4, 7	10-02	33	1	25.9	39.5	32.7
Delta King DKXTJ6K54	2, 6	--	23	1	25.4	--	--
Delta Pine DP 5634 RR	None	--	33	1	25.4	47.2*	36.3
Delta King DK5366	2, 6	10-05	33	1	25.2	43.3	34.3
Progeny 5660RR	None	--	35	1	25.1	41.4	33.3
ASGROW AG5605	3, 7	9-29	27	1	24.9	38.4	31.7
Southern Cross Abner	None	9-25	28	1	24.7	--	--
UniSouth USG 7505nRR	10	9-25	32	2	24.4	--	--
TN05 - 547RR	None	10-05	29	1	24.3	--	--
ASGROW AG5301	3, 7	9-26	33	1	23.9	52.9**	38.4
Armor 53-K3	None	9-29	23	1	23.8	45.6*	34.7
Mersch. Olympus RR	9	9-25	31	1	23.3	42.9	33.1
Armor GP-555	None	10-03	25	1	23.1	--	--
Mersch. Rushmore 553RR	9	10-02	37	1	22.7	32.3	27.5
UniSouth USG 7553nRS	10	9-30	26	1	22.4	36.5	29.5
Crow's C5515R	None	10-04	29	1	22.3	--	--
Progeny 5205RR	None	9-24	33	1	21.9	--	--
Hornbeck HBK R5425	3, 7	10-06	41	1	21.3	--	--
Armor GP-513	None	9-26	26	1	21.1	--	--
Armor GP-530	None	10-03	26	1	20.9	33.7	27.3
Dyna-Gro 36N57	NA	10-03	18	1	20.9	--	--
Armor ARX B57104	None	10-03	21	1	20.8	--	--
Dyna-Gro 33B52	NA	9-29	28	1	20.2	40.1	30.2
Delta Grow 5560RR	2	10-03	27	1	20.0	--	--
Armor 54-03	None	9-29	25	1	19.8	36.8	28.3
Delta King DK5161	2, 6	9-28	28	1	19.7	41.7	30.7
Croplan Genetics RC5332RR	None	9-30	30	1	18.9	--	--

TABLE 29. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Delta Pine DP 5414 RR	None	--	30	1	18.8	35.1	27.0
FFR 5663RR	3	--	28	1	16.3	38.3	27.3
Delta King DKXTJ6501	2, 6	9-22	31	1	15.3	--	--
Delta Pine DP 5808 RR	7	10-04	32	1	14.7	34.1	24.4
GROUP 5 AVERAGE		9-29	30	1	26.3	40.7	33.5
L.S.D. AT .10					5.9	9.3	
C.V. %					15.4	16.2	

- ## Maturity group III soybean variety entered in the maturity group IV test.
 -- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.
 + Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 30. **Glyphosate Resistant Soybean Test**

Southeast Region: Morehouse, MO (Stoddard County)

Soil Type: Sharkey Clay Soil Test: pH=5.6; OM=3.4%; P=42; K=326

Cyst Nematode Population at Planting: 165 Eggs/250cc of Soil

Rainfall: May=0.4, June=1.2, July=5.8, Aug.=3.8, Sept.=3.1 Total=14.3 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield			
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean	
							-----bu/acre-----	
MATURITY GROUP 4								
Armor GP-422	None	9-18	42	4	59.9**	--	--	
Hornbeck HBK R3824	NA	9-16	40	2	59.9**	--	--	
MPride/MPV 4905nRR	3, 4, 7	9-24	38	2	59.5*	53.3*	56.4	
FFR 4925RR	3, 4, 7	9-30	42	1	57.0*	--	--	
Mersch. Austin 643RR	None	9-22	39	1	56.8*	--	--	
Schillinger 495.RC	None	10-02	39	3	56.7*	--	--	
Schillinger 476.RC	None	9-26	40	2	56.5*	--	--	
Southern Cross Reuben	None	10-05	44	2	55.7*	--	--	
Morsoy RT 4914N	5	10-05	40	3	54.9*	--	--	
ASGROW AG4801	3, 7	9-24	40	1	54.8*	49.1	52.0	
Armor GP-470	None	9-20	40	2	54.7*	--	--	
Dyna-Gro 3443NRR	5	9-18	36	3	54.7*	48.3	51.5	
MPride/MPV 4404nRR	3, 4, 7	9-18	40	4	54.7*	46.0	50.4	
Croplan Genetics RC4842RR	None	9-17	33	5	54.2*	--	--	
Delta King DKXTJ6G51	2, 6	9-25	44	1	54.1*	--	--	
Dyna-Gro 36M49	5	9-24	38	3	53.6	47.3	50.5	
Delta Pine DP 4546 RR	None	9-21	44	3	53.6	42.5	48.1	
Stine 4532-4	None	9-26	43	1	53.3	--	--	
Mersch. Rocky RR	9	9-22	37	5	53.3	54.8*	54.1	
Delta King DK4461	2, 6	9-16	43	3	53.1	47.2	50.2	
Morsoy RT 4802N	5	9-21	33	2	52.9	--	--	
Delta Grow 4970RR	2	10-02	39	2	52.4	57.0**	54.7	
Delta Grow 4840RR	2	9-23	37	3	52.2	52.0*	52.1	
Golden Harvest H-4878RR	None	10-07	46	3	52.2	--	--	
Trisoy 4858RR(CN)	None	9-28	38	1	51.9	--	--	
Armor 44-R4	None	9-16	36	3	51.8	48.4	50.1	
Morsoy RT 4665N	5	9-22	42	5	51.7	--	--	
Delta King DKXTJ6L49	2, 6	9-26	40	3	51.6	--	--	
Morsoy RT 4993N	5	9-23	45	5	51.3	56.1*	53.7	
Morsoy RTS 4955N	5	9-26	38	4	51.2	--	--	
UniSouth USG 7466nRR	10	9-21	41	3	50.9	--	--	
Delta King DK4661	2, 6	9-21	44	2	50.6	51.4*	51.0	
Delta Pine DP 4933 RR	None	9-26	40	2	50.5	44.2	47.4	
Delta King DK4967	2, 6	9-17	36	3	50.4	52.8*	51.6	
Delta Pine DPX 1908 RR	None	9-16	43	2	50.2	--	--	
Excel 8509NRR	4	--	40	2	50.2	--	--	
Pioneer 93M90##	3, 7	9-13	32	2	50.2	--	--	
Progeny 4805RR	None	9-26	38	3	50.2	--	--	
Delta King DK4667	2, 6	9-20	43	5	50.1	--	--	
Mersch. Richmond 649RR	None	9-24	40	1	50.1	--	--	
Delta Grow 4860RR	2	9-19	38	4	50.0	47.0	48.5	
Gateway 4R495	None	9-24	38	5	50.0	49.8	49.9	
Progeny 4949RR	None	9-26	30	3	49.9	52.0*	51.0	
Mersch. Dallas RR	9	9-21	46	5	49.8	50.9	50.4	
Croplan Genetics RC4444RR	None	9-18	37	3	49.7	--	--	

TABLE 30. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
Armor GP-488	None	9-23	41	2	49.6	--	--
Dyna-Gro 3481NRR	None	9-21	35	5	49.5	55.1*	52.3
Dyna-Gro 35Z49	NA	9-26	47	2	49.5	--	--
FFR 4545RR	3	9-24	37	2	49.4	--	--
UniSouth USG 7440nRR	10	9-18	41	3	49.4	50.0	49.7
UniSouth USG 7484nRR	10	9-24	39	5	49.3	52.2*	50.8
Stine 4842-4	None	9-23	30	5	48.8	51.3*	50.1
Delta King DK4866	2, 6	9-21	42	5	48.3	46.5	47.4
Progeny 4615RR	None	9-21	38	4	48.2	--	--
ASGROW AG4503	3, 7	9-15	30	2	48.2	--	--
Pioneer 94M90	None	9-17	42	2	48.1	50.5	49.3
Delta Pine DP 4331 RR	None	9-17	29	1	47.9	45.0	46.5
Dyna-Gro 37F46	NA	9-22	46	4	47.8	--	--
Delta Pine DP 4724 RR	None	9-18	44	4	47.8	49.3	48.6
Progeny 3900RR##	None	9-12	31	5	47.7	48.7	48.2
Delta King DK4868	2, 6	9-16	37	4	47.4	49.3	48.4
Croplan Genetics RC4992RR	None	9-26	36	1	47.4	--	--
Delta King DK3967##	2, 6	9-14	29	4	47.3	--	--
Mersch. Washington IXRR##	9	9-12	25	4	47.3	52.4*	49.9
NK Brand S49-Q9	2	9-21	40	1	47.1	46.7	46.9
Progeny 3905RR##	None	9-16	40	3	47.1	--	--
Dyna-Gro 36Y48	NA	9-30	41	3	46.7	--	--
Gateway 4RS421	None	9-23	36	1	46.3	54.9*	50.6
Progeny 4804RR	None	9-22	34	5	46.1	48.1	47.1
Garst 3624RR/N##	5	9-11	33	5	46.0	--	--
Hornbeck HBK R4820	NA	9-20	30	4	45.9	50.0	48.0
Delta Grow 4660RR	2	9-21	46	3	45.9	--	--
Progeny 4401RR	None	9-17	35	3	45.9	47.5	46.7
ASGROW AG4404	3, 7	9-17	29	1	45.8	--	--
Pioneer 94B73	None	9-18	33	2	45.8	48.1	47.0
Armor GP-474	None	9-22	38	5	45.7	52.8*	49.3
Progeny 3805RR##	None	9-13	41	1	45.4	--	--
MPride/MPV 4705nRR	3, 4, 7	9-16	41	2	45.3	--	--
UniSouth USG 7475RR	10	9-15	38	2	45.2	--	--
Delta Grow 4250RR	2	9-15	37	2	45.0	--	--
Delta King DKXTJ638##	2, 6	9-12	39	2	44.9	--	--
Progeny 4315RR	None	9-15	41	5	44.6	--	--
MPride/MPV 4506nRR	3, 4, 7	9-22	38	3	44.3	--	--
NK Brand S35-F9##	2	9-10	30	5	44.0	--	--
Hornbeck HBK R4623	None	9-14	39	5	43.8	42.7	43.3
Pioneer 94M80	3, 7	9-17	36	5	43.5	--	--
Delta King DK4763	2, 6	9-15	32	4	43.4	52.2*	47.8
ASGROW AG4703	3, 7	9-21	28	3	43.4	--	--
Delta Grow 4960RR	2	9-26	31	4	43.3	43.1	43.2
Garst D484RR	5	9-17	43	4	43.0	--	--
Southern Cross Stephen##	None	9-11	32	4	43.0	--	--
ASGROW AG4903	3, 7	9-28	42	4	42.8	51.1*	47.0
Trisoy 4557RR(CN)	None	9-15	37	5	42.8	--	--
Pioneer 94M70	None	9-17	38	5	42.6	51.0*	46.8
Vigoro V48N5RR	2	9-26	41	3	42.5	49.1	45.8
Delta King DKXTJ650	2, 6	9-28	36	2	42.4	--	--
Delta Grow 3950RR##	2	9-11	31	5	42.4	--	--
Delta King DKXTJ648	2, 6	9-15	36	5	42.3	--	--
MPride/MPV 4706nRR	3, 4, 7	9-21	40	2	42.2	--	--

TABLE 30. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
Delta King DK4566	2, 6	9-13	31	4	42.0	52.8*	47.4
Armor 47-G7	None	9-18	37	4	40.9	50.6	45.8
Hornbeck HBK R4924	NA	9-26	39	4	40.7	47.7	44.2
Delta King DKXTJ640	2, 6	9-14	34	5	40.6	--	--
UniSouth USG 7499nRR	10	9-18	41	5	40.4	45.8	43.1
Delta Grow 4460RR	2	9-15	37	5	40.4	--	--
Delta Pine DP 3861 RR##	None	9-12	38	3	40.1	42.1	41.1
MFA Morsoy RT 4731N	5	9-14	39	3	39.1	--	--
Vigoro V44N6RR	2	9-14	34	5	39.0	--	--
Mersch. Memphis 642RR	None	9-15	41	5	38.9	--	--
Trisoy 4254RR(CN)	None	9-12	30	3	38.6	--	--
Progeny 4405RR	None	9-17	34	5	38.3	--	--
MFA Morsoy RT 4485N	5	9-15	41	5	38.3	--	--
Garst 3824RR/N##	5	9-11	38	2	38.2	--	--
Pioneer 94M50	None	9-15	28	5	38.1	--	--
Delta King DK3968##	2, 6	9-11	41	3	38.1	40.5	39.3
Dyna-Gro 35B40	NA	9-17	37	5	37.6	--	--
Armor 42-B2	None	9-10	45	3	37.4	--	--
Hornbeck HBK R4724	NA	9-14	38	4	37.3	53.1*	45.2
FFR 4705RR	3, 4, 7	9-24	38	2	37.2	--	--
Delta Grow 4150RR	2	9-13	36	5	37.2	--	--
Progeny 4604RR	None	9-23	36	3	37.1	42.0	39.6
Delta King DKXTJ6D44	2, 6	9-20	36	5	36.9	--	--
Progeny 4205RR	None	9-14	36	5	36.9	--	--
UniSouth USG 7455nRR	10	9-14	32	5	36.8	--	--
Dyna-Gro 3463NRR	NA	9-14	42	3	36.7	43.3	40.0
Dyna-Gro 37A44	NA	9-16	30	5	36.3	--	--
UniSouth USG 7473nRR	10	9-17	39	3	34.9	38.4	36.7
Southern Cross Levi	None	9-16	25	1	34.3	--	--
GROUP 4 AVERAGE		9-19	38	3	46.6	48.1	47.4
L.S.D. AT .10					6.3	6.0	
C.V. %					9.7	8.7	

MATURITY GROUP 5

Delta Grow 5630RR	2	10-09	41	3	61.7**	43.5	52.6
Progeny 5660RR	None	10-07	34	2	60.0*	42.7	51.4
Delta King DK5967	2, 6	10-06	37	2	58.9*	46.9	52.9
Dyna-Gro 3583NRR	NA	10-10	36	1	58.4*	47.7	53.1
Dyna-Gro 3535NRR	NA	10-03	41	3	57.4*	52.1*	54.8
Dyna-Gro 36N57	NA	10-01	36	2	57.3*	--	--
Delta King DK55T6	2, 6	10-09	31	2	57.3*	48.6	53.0
ASGROW AG5301	3, 7	9-27	33	2	57.1*	36.3	46.7
Progeny 5622RR	None	10-07	36	1	57.0*	54.1*	55.6
Hornbeck HBK R5525	NA	10-01	36	2	56.9*	--	--
Delta Grow 5830RR	2	10-06	31	3	56.7*	--	--
Armor GP-555	None	10-01	34	3	56.3*	--	--
Delta Pine DP 5634 RR	None	10-05	40	1	56.0*	50.2	53.1
FFR 5663RR	3	10-03	31	2	55.9*	52.9*	54.4
Delta Grow 5960RR	2	10-07	29	3	55.9*	--	--
Delta Pine DP 5808 RR	7	10-04	43	5	55.5	38.5	47.0
MPride/MPV 5206nRR	3, 4, 7	9-28	31	3	55.5	--	--
Hornbeck HBK R5425	3, 7	--	35	3	55.1	--	--

TABLE 30. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Delta Grow 5650RR	2	10-03	36	3	54.5	47.5	51.0
Delta King DK5366	2, 6	10-03	33	2	54.1	46.3	50.2
TN05 - 547RR	None	10-09	35	1	53.9	--	--
Progeny 5205RR	None	9-29	42	2	53.8	--	--
Progeny 5605RR	None	10-10	38	3	53.8	--	--
Morsoy RT 5620N	5	10-03	30	3	53.5	--	--
Progeny 5250RR	None	10-03	46	1	53.5	47.1	50.3
Delta Pine DP 5915 RR	None	10-05	36	5	53.3	46.8	50.1
UniSouth USG 7505nRR	10	9-27	36	2	53.2	--	--
Armor GP-513	None	10-01	31	2	53.2	--	--
Dyna-Gro 33B52	NA	10-03	36	2	53.1	59.1*	56.1
Armor 53-K3	None	10-05	36	4	53.1	49.7	51.4
Dyna-Gro 38K57	NA	10-05	42	4	52.7	48.5	50.6
Pioneer 95M50	None	10-03	36	3	52.6	--	--
UniSouth USG 7515NRR	10	9-25	42	5	52.4	--	--
NK Brand S56-D7	2	10-01	38	5	52.4	46.5	49.5
MPride/MPV 5505nRR	3, 4, 7	9-29	30	4	52.4	51.8*	52.1
MFA Morsoy RT 5043N	5	9-22	38	5	52.1	--	--
Delta King DK5161	2, 6	9-29	29	2	51.8	56.7*	54.3
Crow's C5215R	None	10-02	38	3	51.5	--	--
ASGROW AG5605	3, 7	10-03	28	5	51.0	51.7*	51.4
UniSouth USG 7553nRS	10	9-30	36	1	50.8	51.2*	51.0
Delta King DKXTJ6K54	2, 6	10-01	44	3	50.6	--	--
Progeny 5105RR	None	9-22	43	5	50.3	--	--
Delta King DK5567	2, 6	10-04	36	3	50.3	58.9*	54.6
Armor ARX B57104	None	10-03	40	3	50.1	--	--
UniSouth USG 510nRR	10	9-27	35	1	50.0	42.0	46.0
Delta Grow 5460RR	2	10-03	32	2	49.9	52.3*	51.1
Hornbeck HBK 5324	NA	9-25	28	4	49.8	50.2	50.0
Delta Grow 5160RR	2	9-22	46	5	49.6	--	--
Progeny 5115RR	None	9-22	36	3	49.3	--	--
Southern Cross Abner	None	9-28	32	5	49.0	--	--
Armor GP-530	None	9-27	42	2	49.0	45.7	47.4
Dyna-Gro 3562NRR	NA	10-05	41	2	48.7	41.0	44.9
ASGROW AG5702	3, 7	10-01	29	5	48.5	--	--
Golden Harvest H-5053RR	None	9-22	33	5	48.5	--	--
UniSouth USG 7504nRR	10	9-22	38	5	48.0	59.6**	53.8
Croplan Genetics RC5332RR	None	9-28	34	2	47.9	--	--
Mersch. Rushmore 553RR	9	9-25	32	4	47.7	48.2	48.0
Delta Pine DP 5414 RR	None	10-02	37	5	47.7	45.0	46.4
Dyna-Gro 33X55	NA	9-29	31	4	47.2	--	--
Mersch. Everest RR	9	9-26	36	1	47.0	50.0	48.5
Armor 54-03	None	9-28	27	4	47.0	54.1*	50.6
Crow's C5515R	None	10-02	39	1	46.9	--	--
Delta King DK5066	2, 6	9-24	41	5	45.9	--	--
Delta King DKXTJ6G510	2, 6	9-24	43	1	44.6	--	--
Delta Grow 5260RR	2	9-30	36	5	44.6	48.8	46.7
Delta King DK5466	2, 6	9-29	34	4	43.8	--	--
FFR 5033RR	3	9-26	36	3	43.0	49.9	46.5
Mersch. Olympus RR	9	9-22	38	4	42.4	49.0	45.7

TABLE 30. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Delta King DKXTJ6501	2, 6	9-21	44	3	42.2	--	--
Morsoy RT 5553N	5	10-03	37	5	40.5	42.8	41.7
NK Brand S52-U3	2	10-03	33	5	39.1	43.1	41.1
Delta Grow 5560RR	2	9-29	36	5	35.9	--	--
GROUP 5 AVERAGE		10-01	36	3	51.2	48.4	49.8
L.S.D. AT .10					5.8	9.3	
C.V. %					7.9	13.7	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 31. Glyphosate Resistant Soybean Test

Southeast Region: Portageville (Loam), MO (Pemiscot County)

Soil Type: Tiptonville Silt Loam Soil Test: pH=6.3; OM=1.5%; P=107; K=294

Cyst Nematode Population at Planting: 828 Eggs/250cc of Soil

Rainfall: May=0.6, June=2.3, July=4.4, Aug.=6.2, Sept.=2.2 Total=15.7 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Gateway 4R495	None	9-15	40	5	79.5**	76.1	77.8
Morsoy RTS 4955N	5	9-19	46	4	77.9*	--	--
Hornbeck HBK R4924	NA	9-19	49	4	75.2*	72.7	74.0
Golden Harvest H-4878RR	None	9-20	43	4	74.8*	--	--
Delta King DKXTJ6G51	2, 6	9-20	50	3	74.4*	--	--
UniSouth USG 7455nRR	10	9-09	49	5	74.0*	--	--
Delta Grow 4660RR	2	9-14	44	5	73.7*	--	--
Delta King DK4866	2, 6	9-16	43	5	73.6*	78.9*	76.3
Morsoy RT 4665N	5	9-14	41	5	73.5*	--	--
Excel 8509NRR	4	9-19	42	5	73.4*	--	--
Schillinger 476.RC	None	9-20	45	3	73.3*	--	--
Dyna-Gro 35Z49	NA	9-21	56	2	73.1*	--	--
MFA Morsoy RT 4485N	5	9-09	48	5	73.0*	--	--
Armor GP-474	None	9-16	44	3	73.0*	76.4	74.7
Progeny 4405RR	None	9-09	50	5	72.8*	--	--
Schillinger 495.RC	None	9-20	45	5	72.6*	--	--
Delta Grow 4840RR	2	9-16	40	5	72.5*	78.4*	75.5
Vigoro V44N6RR	2	9-09	44	5	72.5*	--	--
Mersch. Austin 643RR	None	9-10	38	2	72.3*	--	--
Morsoy RT 4914N	5	9-20	44	5	72.0*	--	--
Delta Pine DP 4331 RR	None	9-10	45	5	71.9*	80.8*	76.4
Croplan Genetics RC4842RR	None	9-10	40	4	71.8*	--	--
Dyna-Gro 37F46	NA	9-15	42	4	71.8*	--	--
Mersch. Richmond 649RR	None	9-20	48	3	71.8*	--	--
Southern Cross Reuben	None	9-20	42	3	71.8*	--	--
FFR 4925RR	3, 4, 7	9-19	44	2	71.6	--	--
Delta King DK4667	2, 6	9-16	42	5	71.4	--	--
Morsoy RT 4993N	5	9-14	47	5	71.2	76.3	73.8
Delta King DKXTJ6D44	2, 6	9-07	45	5	70.8	--	--
MPride/MPV 4905nRR	3, 4, 7	9-13	39	4	70.8	75.2	73.0
Dyna-Gro 36Y48	NA	9-20	45	5	70.8	--	--
Stine 4842-4	None	9-16	40	3	70.7	77.4*	74.1
Progeny 4804RR	None	9-15	44	4	70.6	75.2	72.9
Delta King DK4967	2, 6	9-14	40	4	70.2	75.4	72.8
Pioneer 94M90	None	9-16	38	3	70.2	69.5	69.9
ASGROW AG4703	3, 7	9-14	33	2	70.2	--	--
Dyna-Gro 36M49	5	9-15	36	4	70.2	77.2*	73.7
Dyna-Gro 37A44	NA	9-13	43	3	69.7	--	--
UniSouth USG 7466nRR	10	9-15	40	3	69.7	--	--
MPride/MPV 4506nRR	3, 4, 7	9-17	56	2	69.6	--	--
Progeny 4949RR	None	9-19	44	4	69.0	73.4	71.2
Mersch. Rocky RR	9	9-17	37	4	68.7	77.1*	72.9
Delta Grow 4970RR	2	9-20	38	5	68.6	76.7	72.6
Delta King DKXTJ640	2, 6	9-11	38	5	68.2	--	--
UniSouth USG 7499nRR	10	9-14	53	4	68.2	73.6	70.9

TABLE 31. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
Delta King DK4763	2, 6	9-16	44	3	68.2	74.1	71.1
Progeny 4615RR	None	9-14	44	5	68.2	--	--
Progeny 4401RR	None	9-10	41	4	68.1	72.4	70.3
MPride/MPV 4404nRR	3, 4, 7	9-11	44	2	68.1	76.7	72.4
UniSouth USG 7484nRR	10	9-15	39	5	68.0	77.7*	72.9
Delta King DK4661	2, 6	9-13	51	4	67.9	63.2	65.6
Dyna-Gro 3481NRR	None	9-15	38	5	67.9	73.4	70.7
ASGROW AG4903	3, 7	9-15	41	3	67.9	73.7	70.8
Delta Grow 4860RR	2	9-15	42	5	67.7	73.3	70.5
MPride/MPV 4706nRR	3, 4, 7	9-17	49	3	67.7	--	--
UniSouth USG 7475RR	10	9-12	44	3	67.6	--	--
Delta Grow 4960RR	2	9-20	39	4	67.3	63.4	65.4
Pioneer 94M70	None	9-08	39	5	67.2	69.3	68.3
Delta Grow 4460RR	2	9-09	48	5	67.1	--	--
Trisoy 4858RR(CN)	None	9-19	46	3	66.8	--	--
Delta Grow 4250RR	2	9-06	47	5	66.7	--	--
Delta Grow 4150RR	2	9-10	40	5	66.7	--	--
UniSouth USG 7440nRR	10	9-14	45	5	66.4	82.3**	74.4
Delta Pine DP 4724 RR	None	9-16	43	3	66.4	70.3	68.4
FFR 4705RR	3, 4, 7	9-16	35	2	66.3	--	--
ASGROW AG4503	3, 7	9-08	36	5	66.2	--	--
MFA Morsoy RT 4731N	5	9-09	44	4	66.1	--	--
NK Brand S49-Q9	2	9-19	44	2	66.0	70.7	68.4
Progeny 4805RR	None	9-20	44	3	66.0	--	--
Vigoro V48N5RR	2	9-17	40	3	65.9	70.0	68.0
Delta King DK4868	2, 6	9-15	42	3	65.9	74.5	70.2
Armor GP-488	None	9-20	46	2	65.9	--	--
Progeny 4604RR	None	9-11	43	4	65.8	67.2	66.5
Mersch. Memphis 642RR	None	9-10	48	3	65.8	--	--
Hornbeck HBK R4820	NA	9-16	43	3	65.6	74.9	70.3
Stine 4532-4	None	9-20	48	4	65.5	--	--
Pioneer 94M80	3, 7	9-13	41	3	65.5	--	--
Dyna-Gro 35B40	NA	9-11	42	5	65.4	--	--
Garst D484RR	5	9-15	44	3	65.1	--	--
ASGROW AG4801	3, 7	9-15	36	5	65.0	71.7	68.4
Mersch. Dallas RR	9	9-18	43	3	65.0	72.1	68.6
Trisoy 4254RR(CN)	None	9-06	38	2	64.5	--	--
Trisoy 4557RR(CN)	None	9-10	41	5	64.1	--	--
Delta King DK4461	2, 6	9-14	42	3	64.1	79.1*	71.6
Progeny 4315RR	None	9-05	52	5	64.0	--	--
Croplan Genetics RC4992RR	None	9-19	53	1	63.7	--	--
MPride/MPV 4705nRR	3, 4, 7	9-05	37	3	63.6	--	--
Armor 47-G7	None	9-11	38	4	63.5	73.5	68.5
Delta King DKXTJ6L49	2, 6	9-20	49	5	63.4	--	--
Delta Pine DP 4933 RR	None	9-17	54	5	63.4	61.9	62.7
FFR 4545RR	3	9-10	31	5	63.3	--	--
Croplan Genetics RC4444RR	None	9-14	41	3	63.2	--	--
Morsoy RT 4802N	5	9-15	42	2	63.2	--	--
Gateway 4RS421	None	9-09	34	2	62.9	69.6	66.3
Pioneer 94M50	None	9-08	41	3	62.8	--	--
Progeny 4205RR	None	9-15	41	5	62.7	--	--
Delta King DK4566	2, 6	9-09	37	3	62.2	78.9*	70.6
Armor 44-R4	None	9-11	43	5	62.1	78.7*	70.4
Delta King DKXTJ650	2, 6	9-17	41	4	61.9	--	--

TABLE 31. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
Armor 42-B2	None	9-01	38	2	61.9	--	--
Delta Pine DP 4546 RR	None	9-15	46	4	61.5	64.9	63.2
Delta Pine DPX 1908 RR	None	9-09	40	4	61.4	--	--
Hornbeck HBK R4724	NA	9-16	51	3	61.4	69.8	65.6
Dyna-Gro 3443NRR	5	9-14	39	5	61.2	73.3	67.3
UniSouth USG 7473nRR	10	9-14	45	4	61.2	69.7	65.5
Hornbeck HBK R4623	None	9-12	45	5	60.6	63.1	61.9
Dyna-Gro 3463NRR	NA	9-10	53	3	59.0	63.1	61.1
Delta King DKXTJ638##	2, 6	8-30	35	5	58.8	--	--
Armor GP-470	None	9-10	46	3	58.7	--	--
Pioneer 94B73	None	9-04	40	3	58.6	75.3	67.0
Armor GP-422	None	9-07	42	5	57.8	--	--
Hornbeck HBK R3824	NA	9-09	37	5	57.7	--	--
NK Brand S35-F9##	2	8-30	38	5	57.4	--	--
ASGROW AG4404	3, 7	9-05	39	4	57.4	--	--
Garst 3624RR/N##	5	8-31	37	5	57.3	--	--
Delta King DKXTJ648	2, 6	9-11	50	4	57.1	--	--
Progeny 3805RR##	None	9-02	38	5	56.3	--	--
Progeny 3900RR##	None	9-02	37	4	55.9	64.5	60.2
Garst 3824RR/N##	5	8-31	40	3	55.7	--	--
Mersch.Washington IXRR##	9	9-05	32	5	55.0	63.4	59.2
Southern Cross Stephen##	None	8-30	37	5	54.2	--	--
Delta Pine DP 3861 RR##	None	9-01	37	2	52.7	65.4	59.1
Delta King DK3968##	2, 6	8-30	37	2	51.3	67.2	59.3
Delta King DK3967##	2, 6	9-01	39	4	50.7	--	--
Progeny 3905RR##	None	8-30	39	5	50.7	--	--
Southern Cross Levi	None	9-04	39	5	47.9	--	--
Pioneer 93M90##	3, 7	8-30	42	5	46.9	--	--
Delta Grow 3950RR##	2	9-03	33	5	39.5	--	--
GROUP 4 AVERAGE		9-11	42	4	65.6	70.7	68.1
L.S.D. AT .10					7.7	5.4	
C.V. %					8.5	5.4	

MATURITY GROUP 5

Progeny 5115RR	None	9-20	48	4	74.5**	--	--
MPride/MPV 5206nRR	3, 4, 7	9-29	39	1	73.7*	--	--
MFA Morsoy RT 5043N	5	9-15	41	3	72.6*	--	--
Dyna-Gro 38K57	NA	9-27	38	2	72.1*	81.4*	76.8
Delta King DKXTJ6501	2, 6	9-15	44	2	71.1*	--	--
Delta King DKXTJ6G510	2, 6	9-26	39	4	71.1*	--	--
Progeny 5105RR	None	9-22	38	3	70.5*	--	--
Progeny 5622RR	None	10-02	36	2	70.5*	72.6	71.6
UniSouth USG 7504nRR	10	9-14	37	3	69.5*	72.9	71.2
Crow's C5515R	None	9-28	47	1	68.8*	--	--
Delta Grow 5650RR	2	9-30	36	2	68.7*	76.9	72.8
Golden Harvest H-5053RR	None	9-15	37	5	68.3*	--	--
Dyna-Gro 33X55	NA	10-02	49	4	68.2*	--	--
ASGROW AG5702	3, 7	9-30	38	1	68.1*	--	--
ASGROW AG5301	3, 7	9-26	43	2	68.0*	71.0	69.5
Delta Grow 5160RR	2	9-18	43	2	68.0*	--	--
Mersch. Olympus RR	9	9-16	38	3	67.3	65.3	66.3
UniSouth USG 7515NRR	10	9-19	33	3	66.9	--	--

TABLE 31. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Dyna-Gro 3583NRR	NA	10-07	38	1	66.9	73.5	70.2
FFR 5033RR	3	9-26	39	4	66.9	81.1*	74.0
Progeny 5205RR	None	9-17	36	4	66.8	--	--
Delta Grow 5460RR	2	9-30	38	1	66.3	73.3	69.8
Hornbeck HBK R5425	3, 7	9-30	51	2	66.0	--	--
Delta Pine DP 5634 RR	None	10-01	39	1	65.9	73.3	69.6
Dyna-Gro 33B52	NA	9-26	28	1	65.9	77.8	71.9
Delta Pine DP 5915 RR	None	10-03	34	1	65.8	71.2	68.5
UniSouth USG 7505nRR	10	9-19	37	3	65.8	--	--
Crow's C5215R	None	9-26	40	2	65.7	--	--
Delta Grow 5830RR	2	10-12	34	3	65.6	--	--
Pioneer 95M50	None	9-26	31	3	65.4	--	--
Delta King DKXTJ6K54	2, 6	10-01	38	1	65.4	--	--
TN05 - 547RR	None	10-05	41	2	64.9	--	--
Delta Grow 5260RR	2	9-28	30	1	64.9	75.3	70.1
Armor GP-530	None	9-30	38	1	64.9	75.9	70.4
MPride/MPV 5505nRR	3, 4, 7	9-29	39	1	64.7	73.7	69.2
Armor ARX B57104	None	9-30	31	2	64.6	--	--
Hornbeck HBK R5525	NA	9-27	37	1	64.6	--	--
Delta King DK5066	2, 6	9-19	43	3	64.5	--	--
Morsoy RT 5553N	5	9-30	37	1	64.3	78.4	71.4
Delta King DK5466	2, 6	9-28	29	1	64.2	--	--
Delta King DK5161	2, 6	9-26	31	4	64.0	76.0	70.0
Delta Grow 5960RR	2	9-30	44	1	63.7	--	--
Mersch. Rushmore 553RR	9	9-17	42	4	63.4	70.0	66.7
Dyna-Gro 3562NRR	NA	10-03	30	4	63.2	78.8	71.0
Delta Grow 5630RR	2	10-05	40	2	63.1	75.5	69.3
Progeny 5250RR	None	9-27	30	1	63.0	73.1	68.1
Mersch. Everest RR	9	9-26	36	1	62.9	70.3	66.6
Delta King DK5567	2, 6	9-30	36	1	62.8	73.4	68.1
NK Brand S52-U3	2	9-26	31	1	62.8	75.4	69.1
NK Brand S56-D7	2	9-29	35	2	62.7	78.0	70.4
Armor GP-513	None	9-24	29	2	62.5	--	--
UniSouth USG 7553nRS	10	9-28	38	1	62.4	66.6	64.5
Southern Cross Abner	None	9-26	35	1	62.4	--	--
Delta King DK55T6	2, 6	9-30	36	1	62.3	71.9	67.1
UniSouth USG 510nRR	10	9-26	36	1	62.0	74.8	68.4
Delta Pine DP 5414 RR	None	9-30	40	2	61.9	72.9	67.4
Morsoy RT 5620N	5	9-30	36	3	61.8	--	--
ASGROW AG5605	3, 7	9-27	33	2	61.7	71.4	66.6
Delta Grow 5560RR	2	9-27	33	2	61.4	--	--
Delta King DK5967	2, 6	9-30	31	1	61.3	63.4	62.4
Progeny 5605RR	None	10-12	36	3	60.7	--	--
Croplan Genetics RC5332RR	None	9-26	35	1	59.8	--	--
Delta King DK5366	2, 6	9-30	40	3	59.4	77.0	68.2
Armor 53-K3	None	9-26	33	1	58.9	68.4	63.7
Armor 54-03	None	9-30	35	1	58.8	65.2	62.0
Dyna-Gro 36N57	NA	9-26	36	1	58.5	--	--
Delta Pine DP 5808 RR	7	9-29	36	2	58.3	66.8	62.6
Armor GP-555	None	9-27	30	1	57.9	--	--

TABLE 31. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
FFR 5663RR	3	9-27	30	1	57.9	77.8	67.9
Progeny 5660RR	None	10-07	41	2	57.9	69.4	63.7
Dyna-Gro 3535NRR	NA	9-30	38	3	56.0	68.4	62.2
Hornbeck HBK 5324	NA	9-27	30	2	53.5	75.6	64.6
GROUP 5 AVERAGE		9-26	37	2	64.5	73.4	69.0
L.S.D. AT .10					6.8	7.5	
C.V. %					7.7	7.2	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 32. **Glyphosate Resistant Soybean Test**

Southeast Region: Portageville (Clay), MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH=6.6; OM=2.8%; P=86; K=349

Cyst Nematode Population at Planting: 998 Eggs/250cc of Soil

Rainfall: May=0.6, June=2.3, July=4.4, Aug.=6.2, Sept.=2.2 Total=15.7 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Schillinger 495.RC	None	9-19	50	5	71.2**	--	--
Excel 8509NRR	4	9-21	44	4	70.4*	--	--
Morsoy RT 4914N	5	9-21	42	2	69.8*	--	--
Delta King DK4866	2, 6	9-17	38	3	69.8*	65.2	67.5
Pioneer 94M70	None	9-11	46	5	69.6*	66.7	68.1
Delta Grow 4840RR	2	9-16	39	4	69.3*	72.5*	70.9
MPride/MPV 4404nRR	3, 4, 7	9-16	38	3	68.8*	72.5*	70.7
Delta Grow 4860RR	2	9-16	43	5	68.4*	70.0	69.2
ASGROW AG4903	3, 7	9-19	46	5	68.3*	72.4*	70.4
Delta Pine DP 4724 RR	None	9-16	43	4	68.3*	71.9*	70.1
Mersch. Dallas RR	9	9-15	42	5	68.0*	69.1	68.6
Golden Harvest H-4878RR	None	9-20	43	4	68.0*	--	--
Mersch. Rocky RR	9	9-16	40	5	67.8*	76.2*	72.0
Croplan Genetics RC4444RR	None	9-16	43	3	67.7*	--	--
Dyna-Gro 3443NRR	5	9-16	39	2	67.7*	71.1*	69.4
Vigoro V44N6RR	2	9-15	36	3	67.6*	--	--
Schillinger 476.RC	None	9-20	44	3	67.3*	--	--
Delta Grow 4660RR	2	9-16	45	5	67.2*	--	--
Delta Grow 4150RR	2	9-14	38	2	66.9*	--	--
Delta King DK4667	2, 6	9-16	50	5	66.9*	--	--
Delta Grow 4970RR	2	9-21	44	3	66.8*	73.4*	70.1
Croplan Genetics RC4842RR	None	9-16	40	2	66.6*	--	--
Delta King DK4461	2, 6	9-14	40	2	66.5*	75.2*	70.9
Morsoy RT 4802N	5	9-18	39	2	66.2*	--	--
Garst D484RR	5	9-19	49	4	66.2*	--	--
Morsoy RT 4993N	5	9-17	35	4	66.1*	71.6*	68.9
ASGROW AG4801	3, 7	9-13	39	3	66.1*	72.5*	69.3
Delta Pine DP 4546 RR	None	9-15	42	3	66.1*	67.8	67.0
UniSouth USG 7466nRR	10	9-16	40	5	66.0	--	--
UniSouth USG 7455nRR	10	9-11	42	5	66.0	--	--
Stine 4842-4	None	9-19	39	5	65.9	73.6*	69.8
Pioneer 94B73	None	9-15	36	3	65.8	74.0*	69.9
Dyna-Gro 3481NRR	None	9-15	46	5	65.7	73.9*	69.8
NK Brand S49-Q9	2	9-21	50	2	65.7	69.5	67.6
MPride/MPV 4705nRR	3, 4, 7	9-13	35	2	65.7	--	--
Armor 47-G7	None	9-19	36	2	65.5	69.9	67.7
Progeny 4205RR	None	9-15	36	3	65.4	--	--
Dyna-Gro 36Y48	NA	9-21	43	5	65.3	--	--
Morsoy RT 4665N	5	9-17	46	5	64.9	--	--
Gateway 4RS421	None	9-12	36	3	64.8	72.5*	68.7
MPride/MPV 4905nRR	3, 4, 7	9-17	42	5	64.8	75.2*	70.0
Dyna-Gro 35B40	NA	9-14	41	4	64.7	--	--
Trisoy 4557RR(CN)	None	9-11	48	4	64.7	--	--
MFA Morsoy RT 4485N	5	9-13	45	3	64.6	--	--
Dyna-Gro 37F46	NA	9-20	38	5	64.5	--	--

TABLE 32. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
UniSouth USG 7475RR	10	9-19	39	3	64.4	--	--
Progeny 4401RR	None	9-16	49	3	64.4	74.4*	69.4
UniSouth USG 7440nRR	10	9-15	48	5	64.3	76.2*	70.3
Dyna-Gro 37A44	NA	9-14	48	4	64.2	--	--
ASGROW AG4404	3, 7	9-15	36	1	64.2	--	--
Stine 4532-4	None	9-18	56	4	64.0	--	--
UniSouth USG 7484nRR	10	9-18	37	5	64.0	69.5	66.8
Pioneer 94M80	3, 7	9-14	36	5	64.0	--	--
Delta King DKXTJ640	2, 6	9-16	35	3	63.9	--	--
Armor 44-R4	None	9-16	39	2	63.9	69.6	66.8
Progeny 4405RR	None	9-11	47	5	63.9	--	--
Progeny 4804RR	None	9-17	37	5	63.8	74.5*	69.2
Delta King DKXTJ6G51	2, 6	9-23	46	2	63.8	--	--
Dyna-Gro 35Z49	NA	9-20	54	5	63.8	--	--
Hornbeck HBK R4924	NA	9-21	43	5	63.7	69.5	66.6
Delta King DKXTJ6L49	2, 6	9-21	38	3	63.7	--	--
Hornbeck HBK R4724	NA	9-15	49	3	63.6	71.7*	67.6
Progeny 4615RR	None	9-15	44	5	63.6	--	--
Pioneer 94M90	None	9-18	34	3	63.6	66.8	65.2
Delta King DK4967	2, 6	9-15	40	3	63.5	71.3*	67.4
UniSouth USG 7499nRR	10	9-20	44	4	63.5	68.8	66.2
Morsoy RTS 4955N	5	9-20	45	4	63.5	--	--
FFR 4925RR	3, 4, 7	9-21	43	2	63.4	--	--
MPride/MPV 4506nRR	3, 4, 7	9-15	38	3	63.4	--	--
Delta King DK4868	2, 6	9-16	45	5	63.1	70.7*	66.9
Mersch. Memphis 642RR	None	9-08	42	5	63.0	--	--
Delta Pine DP 4331 RR	None	9-13	36	3	62.9	71.9*	67.4
Delta King DKXTJ650	2, 6	9-16	48	3	62.8	--	--
Hornbeck HBK R4820	NA	9-16	41	3	62.8	72.3*	67.6
Pioneer 94M50	None	9-09	35	3	62.7	--	--
MFA Morsoy RT 4731N	5	9-12	43	3	62.7	--	--
Croplan Genetics RC4992RR	None	9-20	43	3	62.6	--	--
Delta Pine DP 4933 RR	None	9-18	48	2	62.0	60.8	61.4
Armor GP-474	None	9-17	40	5	62.0	72.4*	67.2
Delta King DKXTJ6D44	2, 6	9-13	36	3	61.9	--	--
Dyna-Gro 36M49	5	9-17	34	5	61.8	73.6*	67.7
Progeny 4949RR	None	9-20	42	4	61.7	74.7*	68.2
Vigoro V48N5RR	2	9-17	40	3	61.7	66.4	64.1
ASGROW AG4503	3, 7	9-08	35	3	61.6	--	--
Mersch. Richmond 649RR	None	9-20	46	3	61.6	--	--
Southern Cross Reuben	None	9-17	44	3	61.5	--	--
Trisoy 4254RR(CN)	None	9-11	35	2	61.4	--	--
Progeny 3805RR##	None	9-06	35	2	61.4	--	--
Armor 42-B2	None	9-09	39	2	60.9	--	--
Garst 3824RR/N##	5	9-05	38	2	60.7	--	--
Delta King DK4763	2, 6	9-14	34	3	60.6	72.0*	66.3
Delta Grow 4960RR	2	9-21	40	4	60.5	65.4	63.0
Armor GP-422	None	9-11	42	5	60.3	--	--
Hornbeck HBK R3824	NA	9-13	42	5	60.2	--	--
Delta Grow 4460RR	2	9-08	44	5	60.2	--	--
Delta King DKXTJ638##	2, 6	9-03	38	2	60.1	--	--
Trisoy 4858RR(CN)	None	9-21	41	3	59.9	--	--
Delta Pine DPX 1908 RR	None	9-12	39	3	59.7	--	--
Garst 3624RR/N##	5	9-04	33	4	59.4	--	--

TABLE 32. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
				-----bu/acre-----			
Mersch. Austin 643RR	None	9-14	35	1	59.4	--	--
FFR 4705RR	3, 4, 7	9-16	40	2	59.2	--	--
MPride/MPV 4706nRR	3, 4, 7	9-20	38	3	59.1	--	--
Progeny 4805RR	None	9-20	48	5	58.7	--	--
Delta Grow 4250RR	2	9-06	40	3	58.6	--	--
Gateway 4R495	None	9-19	38	4	58.5	77.2**	67.9
Delta King DK4661	2, 6	9-16	45	3	58.3	57.1	57.7
Delta King DK4566	2, 6	9-09	39	3	58.2	72.7*	65.5
Hornbeck HBK R4623	None	9-13	42	5	58.1	51.9	55.0
Progeny 3905RR##	None	9-06	39	3	57.9	--	--
Progeny 4604RR	None	9-19	37	2	57.8	63.8	60.8
Progeny 4315RR	None	9-11	47	4	57.4	--	--
Delta Pine DP 3861 RR##	None	9-07	31	2	57.1	57.0	57.1
ASGROW AG4703	3, 7	9-14	38	4	56.8	--	--
Pioneer 93M90##	3, 7	9-05	36	4	56.2	--	--
UniSouth USG 7473nRR	10	9-13	44	5	56.2	63.8	60.0
Delta King DK3968##	2, 6	9-05	34	1	56.1	65.6	60.9
Delta King DKXTJ648	2, 6	9-16	44	5	55.8	--	--
Mersch. Washington IXRR##	9	9-04	36	4	55.6	68.1	61.9
Delta Grow 3950RR##	2	9-14	40	5	55.2	--	--
Armor GP-470	None	9-16	49	3	55.0	--	--
Progeny 3900RR##	None	9-06	35	4	55.0	69.0	62.0
Armor GP-488	None	9-20	40	3	54.8	--	--
Delta King DK3967##	2, 6	9-05	41	2	54.6	--	--
FFR 4545RR	3	9-15	35	2	54.5	--	--
Southern Cross Levi	None	9-08	38	3	53.6	--	--
Dyna-Gro 3463NRR	NA	9-11	41	5	53.0	60.6	56.8
NK Brand S35-F9##	2	9-07	31	2	52.6	--	--
Southern Cross Stephen##	None	9-13	40	3	49.9	--	--
GROUP 4 AVERAGE		9-14	41	4	62.6	67.8	65.2
L.S.D. AT .10					5.1	6.7	
C.V. %					5.8	7.0	

MATURITY GROUP 5

Progeny 5205RR	None	9-22	40	4	73.9**	--	--
UniSouth USG 7505nRR	10	9-29	42	3	70.8*	--	--
Delta Pine DP 5414 RR	None	9-26	39	3	69.9*	57.6	63.8
Delta Pine DP 5634 RR	None	9-30	40	3	69.5	56.4	63.0
MFA Morsoy RT 5043N	5	9-17	36	5	69.4	--	--
Delta King DK55T6	2, 6	9-30	36	1	68.8	58.4	63.6
MPride/MPV 5206nRR	3, 4, 7	9-26	40	3	68.8	--	--
Dyna-Gro 33B52	NA	9-26	38	3	68.6	64.3*	66.5
Dyna-Gro 36N57	NA	9-26	33	1	68.2	--	--
Pioneer 95M50	None	9-30	38	1	68.1	--	--
Progeny 5622RR	None	10-07	40	2	68.0	55.2	61.6
Golden Harvest H-5053RR	None	9-18	33	4	67.9	--	--
Dyna-Gro 33X55	NA	9-27	38	1	67.9	--	--
Crow's C5515R	None	9-27	45	1	67.5	--	--
ASGROW AG5301	3, 7	9-22	36	1	67.5	61.1	64.3
FFR 5033RR	3	9-25	37	2	67.3	66.1*	66.7
Delta King DKXTJ6501	2, 6	9-19	40	1	67.3	--	--
Delta Grow 5160RR	2	9-23	36	3	67.1	--	--

TABLE 32. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
Delta King DK5567	2, 6	9-27	37	3	66.9	62.2*	64.6
Delta Pine DP 5915 RR	None	10-05	37	1	66.8	57.4	62.1
Armor ARX B57104	None	9-27	39	2	66.5	--	--
Delta Grow 5630RR	2	10-03	45	2	66.5	61.3	63.9
Dyna-Gro 38K57	NA	10-02	45	3	66.4	58.7	62.6
UniSouth USG 7504nRR	10	9-19	38	4	66.3	62.6*	64.5
Delta Grow 5960RR	2	10-02	35	2	66.3	--	--
Delta King DK5967	2, 6	9-29	40	1	66.3	57.1	61.7
Delta King DK5366	2, 6	10-02	38	4	66.3	58.5	62.4
Delta King DK5466	2, 6	9-27	36	2	66.3	--	--
Armor GP-513	None	9-26	34	3	66.2	--	--
Delta King DKXTJ6G510	2, 6	9-23	39	1	66.2	--	--
Delta Pine DP 5808 RR	7	9-30	42	3	65.9	61.1	63.5
Delta King DK5161	2, 6	9-26	32	5	65.9	66.6*	66.3
Armor GP-555	None	9-26	30	3	65.8	--	--
Progeny 5605RR	None	10-03	38	4	65.4	--	--
FFR 5663RR	3	9-28	31	3	65.3	61.7	63.5
Dyna-Gro 3583NRR	NA	10-02	35	1	65.3	59.8	62.6
Morsoy RT 5553N	5	9-30	40	1	65.3	57.7	61.5
UniSouth USG 7515NRR	10	9-20	43	3	65.3	--	--
Dyna-Gro 3535NRR	NA	9-30	37	4	65.2	50.6	57.9
Mersch. Rushmore 553RR	9	9-21	36	2	65.0	67.2*	66.1
Progeny 5105RR	None	9-19	40	2	65.0	--	--
Progeny 5250RR	None	9-19	32	1	64.9	64.0*	64.5
Delta Grow 5260RR	2	9-26	40	3	64.9	56.9	60.9
Delta King DKXTJ6K54	2, 6	9-29	35	1	64.9	--	--
Progeny 5660RR	None	10-02	43	2	64.8	64.4*	64.6
Delta Grow 5650RR	2	9-30	42	4	64.7	61.0	62.9
Delta Grow 5460RR	2	9-26	35	1	64.7	64.8*	64.8
ASGROW AG5702	3, 7	9-28	36	1	64.6	--	--
Armor GP-530	None	9-26	40	2	64.4	54.6	59.5
ASGROW AG5605	3, 7	9-27	32	1	64.1	64.1*	64.1
Delta King DK5066	2, 6	9-23	39	2	64.1	--	--
NK Brand S56-D7	2	9-27	37	4	63.8	60.6	62.2
UniSouth USG 7553nRS	10	9-28	36	1	63.7	60.9	62.3
TN05 - 547RR	None	10-01	41	1	63.6	--	--
Mersch. Olympus RR	9	9-20	39	2	63.4	64.8*	64.1
Armor 54-03	None	9-26	36	1	62.9	59.6	61.3
MPride/MPV 5505nRR	3, 4, 7	9-29	35	1	62.5	59.6	61.1
Progeny 5115RR	None	9-21	43	3	62.0	--	--
Armor 53-K3	None	9-29	32	1	61.8	55.5	58.7
Dyna-Gro 3562NRR	NA	10-01	34	5	61.6	57.7	59.7
Hornbeck HBK R5525	NA	10-03	36	1	61.2	--	--
UniSouth USG 510nRR	10	9-26	36	1	61.2	58.4	59.8
Delta Grow 5830RR	2	10-09	37	4	61.0	--	--
Hornbeck HBK 5324	NA	9-22	33	1	60.8	62.9*	61.9
Morsoy RT 5620N	5	9-30	43	3	60.6	--	--
Southern Cross Abner	None	9-25	34	1	60.5	--	--
Mersch. Everest RR	9	9-26	36	1	60.4	57.6	59.0
Hornbeck HBK R5425	3, 7	10-12	48	1	60.1	--	--

TABLE 32. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
Delta Grow 5560RR	2	10-01	35	1	59.4	--	--
Crow's C5215R	None	9-26	37	1	58.7	--	--
Croplan Genetics RC5332RR	None	9-27	40	1	58.1	--	--
NK Brand S52-U3	2	9-26	32	4	56.6	58.0	57.3
GROUP 5 AVERAGE		9-26	38	2	65.0	59.8	62.4
L.S.D. AT .10					4.3	6.2	
C.V. %					4.6	7.3	

Maturity group III soybean variety entered in the maturity group IV test.

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 33. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Southeast Missouri locations (Oran, Morely, Morehouse, Portageville (Loam), Portageville (Clay)) during 2005.

<u>Oran</u> Planted: 05-13 Harvested: 10-13,10-19 Growing Season Rainfall: 20.0 in. Irrigation: 0 in.	<u>Morely</u> Planted: 05-11, 05-12 Harvested: 09-30, 10-14 Growing Season Rainfall: 20.0 in. Irrigation: 2.2 in.	<u>Morehouse</u> Planted: 05-16 Harvested: 10-11 Growing Season Rainfall: 14.3 in. Irrigation: 0 in.
<u>Portageville (Loam)</u> Planted: 05-03 Harvested: 09-27, 10-06 Growing Season Rainfall: 15.7 in. Irrigation: 12 in.	<u>Portageville (Clay)</u> Planted: 05-06 Harvested: 09-28, 10-05 Growing Season Rainfall: 15.7 in. Irrigation: 12 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Oran	Morely	Morehouse	Portageville (Loam)	Portageville (Clay)	
MATURITY GROUP 4						
Delta Grow 4840RR	51.1*	39.6*	52.2	72.5*	69.3*	56.9**
MPride/MPV 4905nRR	49.3*	36.1*	59.5*	70.8	64.8	56.1*
Delta King DKXTJ6G51	47.4	36.4*	54.1*	74.4*	63.8	55.2*
Morsoy RTS 4955N	46.5	36.6*	51.2	77.9*	63.5	55.1*
Schillinger 495.RC	46.4	26.8	56.7*	72.6*	71.2**	54.7*
Morsoy RT 4993N	53.1*	31.3	51.3	71.2	66.1*	54.6*
Schillinger 476.RC	46.0	28.1	56.5*	73.3*	67.3*	54.2*
Mersch. Rocky RR	47.4	33.9	53.3	68.7	67.8*	54.2*
Delta King DK4667	44.8	35.9*	50.1	71.4	66.9*	53.8
Dyna-Gro 35Z49	46.6	35.8*	49.5	73.1*	63.8	53.8
Stine 4842-4	47.9	34.3*	48.8	70.7	65.9	53.5
Delta King DK4866	49.7*	26.1	48.3	73.6*	69.8*	53.5
Excel 8509NRR	48.9	24.4	50.2	73.4*	70.4*	53.5
Progeny 4804RR	47.3	39.4*	46.1	70.6	63.8	53.4
Southern Cross Reuben	44.9	33.1	55.7*	71.8*	61.5	53.4
UniSouth USG 7484nRR	49.4*	36.2*	49.3	68.0	64.0	53.4
FFR 4925RR	46.8	27.8	57.0*	71.6	63.4	53.3
Delta Grow 4970RR	49.9*	27.7	52.4	68.6	66.8*	53.1
ASGROW AG4801	49.9*	29.6	54.8*	65.0	66.1*	53.1
Dyna-Gro 36Y48	45.9	35.8*	46.7	70.8	65.3	52.9
Mersch. Richmond 649RR	44.2	36.2*	50.1	71.8*	61.6	52.8
Morsoy RT 4665N	41.8	31.9	51.7	73.5*	64.9	52.8
MPride/MPV 4404nRR	46.5	25.2	54.7*	68.1	68.8*	52.7
Croplan Genetics RC4842RR	44.7	25.9	54.2*	71.8*	66.6*	52.6
Morsoy RT 4914N	43.5	22.8	54.9*	72.0*	69.8*	52.6
Delta King DKXTJ6L49	52.9*	31.3	51.6	63.4	63.7	52.6
Dyna-Gro 36M49	40.4	36.4*	53.6	70.2	61.8	52.5
Mersch. Austin 643RR	50.1*	23.6	56.8*	72.3*	59.4	52.4
UniSouth USG 7466nRR	39.1	36.1*	50.9	69.7	66.0	52.4
Gateway 4R495	44.9	28.7	50.0	79.5**	58.5	52.3
Vigoro V44N6RR	47.5	34.6*	39.0	72.5*	67.6*	52.2
MFA Morsoy RT 4485N	48.6	36.4*	38.3	73.0*	64.6	52.2
Stine 4532-4	44.5	33.1	53.3	65.5	64.0	52.1
Hornbeck HBK R4924	46.4	33.8	40.7	75.2*	63.7	52.0
Delta Grow 4250RR	49.0	39.7*	45.0	66.7	58.6	51.8
Mersch. Dallas RR	47.3	28.8	49.8	65.0	68.0*	51.8
Delta Grow 4860RR	48.9	23.6	50.0	67.7	68.4*	51.7
Delta Grow 4660RR	38.6	31.7	45.9	73.7*	67.2*	51.4
Dyna-Gro 3443NRR	41.4	32.0	54.7*	61.2	67.7*	51.4
MPride/MPV 4506nRR	52.6*	26.6	44.3	69.6	63.4	51.3

Table 33. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Oran	Morely	Morehouse	Portageville (Loam)	Portageville (Clay)	
Golden Harvest H-4878RR	39.6	21.5	52.2	74.8*	68.0*	51.2
ASGROW AG4903	51.4*	25.3	42.8	67.9	68.3*	51.1
Dyna-Gro 3481NRR	42.0	30.1	49.5	67.9	65.7	51.0
Delta King DK4967	48.2	22.8	50.4	70.2	63.5	51.0
Delta Pine DP 4724 RR	41.1	31.4	47.8	66.4	68.3*	51.0
Progeny 4805RR	52.2*	27.2	50.2	66.0	58.7	50.9
Delta King DK4461	42.7	27.5	53.1	64.1	66.5*	50.8
Armor GP-474	40.5	32.0	45.7	73.0*	62.0	50.6
Progeny 4405RR	45.5	32.5	38.3	72.8*	63.9	50.6
UniSouth USG 7499nRR	46.0	33.9	40.4	68.2	63.5	50.4
UniSouth USG 7455nRR	42.5	32.6	36.8	74.0*	66.0	50.4
Delta King DK4763	45.5	34.0*	43.4	68.2	60.6	50.3
Morsoy RT 4802N	44.0	24.2	52.9	63.2	66.2*	50.1
Dyna-Gro 37F46	37.3	29.0	47.8	71.8*	64.5	50.1
Pioneer 94M90	39.6	28.9	48.1	70.2	63.6	50.1
Trisoy 4858RR(CN)	47.0	24.6	51.9	66.8	59.9	50.0
Mersch. Memphis 642RR	41.8	40.1**	38.9	65.8	63.0	49.9
NK Brand S49-Q9	41.1	29.2	47.1	66.0	65.7	49.8
UniSouth USG 7440nRR	41.8	27.0	49.4	66.4	64.3	49.8
Delta Grow 4960RR	45.7	31.4	43.3	67.3	60.5	49.6
Delta King DK4868	51.0*	20.8	47.4	65.9	63.1	49.6
MPride/MPV 4705nRR	42.0	31.3	45.3	63.6	65.7	49.6
Delta King DKXTJ6D44	43.1	34.7*	36.9	70.8	61.9	49.5
Trisoy 4557RR(CN)	45.8	29.5	42.8	64.1	64.7	49.4
Delta Pine DP 4331 RR	36.5	27.3	47.9	71.9*	62.9	49.3
Progeny 4401RR	41.8	26.2	45.9	68.1	64.4	49.3
Garst D484RR	44.5	27.2	43.0	65.1	66.2*	49.2
Delta King DKXTJ640	46.8	25.9	40.6	68.2	63.9	49.1
Dyna-Gro 37A44	47.6	27.5	36.3	69.7	64.2	49.0
UniSouth USG 7475RR	45.7	21.8	45.2	67.6	64.4	48.9
Delta Grow 4150RR	41.8	31.4	37.2	66.7	66.9*	48.8
ASGROW AG4503	42.3	25.4	48.2	66.2	61.6	48.7
Progeny 4615RR	34.0	29.5	48.2	68.2	63.6	48.7
Delta Pine DP 4933 RR	43.4	23.7	50.5	63.4	62.0	48.6
FFR 4545RR	49.7*	26.0	49.4	63.3	54.5	48.6
Pioneer 94M80	43.6	26.1	43.5	65.5	64.0	48.5
ASGROW AG4404	49.8*	25.3	45.8	57.4	64.2	48.5
Croplan Genetics RC4444RR	35.7	26.0	49.7	63.2	67.7*	48.4
Hornbeck HBK R3824	42.0	21.9	59.9**	57.7	60.2	48.3
Armor GP-422	44.4	19.1	59.9**	57.8	60.3	48.3
MPride/MPV 4706nRR	46.4	25.8	42.2	67.7	59.1	48.2
Pioneer 94M70	34.0	27.4	42.6	67.2	69.6*	48.2
Armor 47-G7	42.1	28.5	40.9	63.5	65.5	48.1
Delta Grow 4460RR	42.6	30.1	40.4	67.1	60.2	48.1
Croplan Genetics RC4992RR	42.2	24.1	47.4	63.7	62.6	48.0
Progeny 3805RR##	55.8**	21.0	45.4	56.3	61.4	48.0
Progeny 4949RR	41.5	17.6	49.9	69.0	61.7	47.9
Gateway 4RS421	44.5	20.6	46.3	62.9	64.8	47.8
ASGROW AG4703	44.7	23.2	43.4	70.2	56.8	47.6
Hornbeck HBK R4820	44.1	19.9	45.9	65.6	62.8	47.6
Delta King DK4661	45.3	15.5	50.6	67.9	58.3	47.5
Progeny 4315RR	43.4	28.0	44.6	64.0	57.4	47.5
MFA Morsoy RT 4731N	41.2	27.9	39.1	66.1	62.7	47.4
Progeny 4604RR	46.1	29.9	37.1	65.8	57.8	47.3
Armor 44-R4	29.9	28.9	51.8	62.1	63.9	47.3

Table 33. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Oran	Morely	Morehouse	Portageville (Loam)	Portageville (Clay)	
Delta Pine DP 4546 RR	32.1	22.9	53.6	61.5	66.1*	47.2
Progeny 4205RR	43.3	27.6	36.9	62.7	65.4	47.2
Pioneer 94M50	38.7	33.2	38.1	62.8	62.7	47.1
Delta King DK4566	38.8	32.6	42.0	62.2	58.2	46.8
Trisoy 4254RR(CN)	40.4	28.2	38.6	64.5	61.4	46.6
FFR 4705RR	40.5	29.2	37.2	66.3	59.2	46.5
Vigoro V48N5RR	40.4	21.6	42.5	65.9	61.7	46.4
Pioneer 94B73	37.4	24.4	45.8	58.6	65.8	46.4
Garst 3624RR/N##	43.5	25.8	46.0	57.3	59.4	46.4
Delta King DKXTJ650	48.0	16.2	42.4	61.9	62.8	46.3
Dyna-Gro 35B40	40.9	22.4	37.6	65.4	64.7	46.2
Armor GP-488	39.9	20.7	49.6	65.9	54.8	46.2
Delta King DKXTJ638##	47.3	18.8	44.9	58.8	60.1	46.0
Armor GP-470	42.3	17.6	54.7*	58.7	55.0	45.7
UniSouth USG 7473nRR	42.7	33.0	34.9	61.2	56.2	45.6
Progeny 3900RR##	44.7	21.1	47.7	55.9	55.0	44.9
Hornbeck HBK R4724	43.0	18.3	37.3	61.4	63.6	44.7
Garst 3824RR/N##	46.6	22.1	38.2	55.7	60.7	44.7
Delta Pine DPX 1908 RR	28.5	23.0	50.2	61.4	59.7	44.6
Armor 42-B2	40.6	21.5	37.4	61.9	60.9	44.5
Mersch. Washington IXRR##	40.3	22.6	47.3	55.0	55.6	44.2
Delta King DK3967##	40.0	28.0	47.3	50.7	54.6	44.1
Pioneer 93M90##	39.3	24.9	50.2	46.9	56.2	43.5
Progeny 3905RR##	41.1	20.7	47.1	50.7	57.9	43.5
NK Brand S35-F9##	41.4	20.5	44.0	57.4	52.6	43.2
Southern Cross Stephen##	43.6	24.7	43.0	54.2	49.9	43.1
Delta Pine DP 3861 RR##	41.9	23.5	40.1	52.7	57.1	43.0
Delta King DKXTJ648	38.4	21.4	42.3	57.1	55.8	43.0
Hornbeck HBK R4623	28.3	23.2	43.8	60.6	58.1	42.8
Delta Grow 3950RR##	41.8	26.1	42.4	39.5	55.2	41.0
Dyna-Gro 3463NRR	33.9	22.2	36.7	59.0	53.0	41.0
Delta King DK3968##	37.4	21.4	38.1	51.3	56.1	40.8
Southern Cross Levi	34.9	21.8	34.3	47.9	53.6	38.5
GROUP 4 AVERAGE	43.6	27.6	46.6	65.6	62.6	49.2
L.S.D. AT .10	6.5	6.1	6.3	7.7	5.1	2.8
C.V. %	10.7	15.6	9.7	8.5	5.8	10.1

MATURITY GROUP 5

MPride/MPV 5206nRR	49.5	39.2**	55.5	73.7*	68.8	57.3**
MFA Morsoy RT 5043N	55.6*	33.4*	52.1	72.6*	69.4	56.6*
Progeny 5622RR	46.4	36.6*	57.0*	70.5*	68.0	55.7*
Dyna-Gro 3583NRR	49.3	33.3*	58.4*	66.9	65.3	54.6*
Delta Grow 5630RR	53.2	27.0	61.7**	63.1	66.5	54.3
Delta King DK5967	52.2	32.6	58.9*	61.3	66.3	54.3
Delta Grow 5650RR	51.6	31.8	54.5	68.7*	64.7	54.2
Delta King DK55T6	50.0	31.7	57.3*	62.3	68.8	54.0
Progeny 5205RR	51.7	21.9	53.8	66.8	73.9**	53.6
Delta Pine DP 5915 RR	53.1	28.8	53.3	65.8	66.8	53.6
Delta Grow 5830RR	53.9*	30.4	56.7*	65.6	61.0	53.5
ASGROW AG5301	50.5	23.9	57.1*	68.0*	67.5	53.4

Table 33. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Oran	Morely	Morehouse	Portageville (Loam)	Portageville (Clay)	
UniSouth USG 7515NRR	46.8	35.5*	52.4	66.9	65.3	53.4
Progeny 5115RR	47.5	32.4	49.3	74.5**	62.0	53.1
UniSouth USG 7505nRR	50.8	24.4	53.2	65.8	70.8*	53.0
UniSouth USG 7504nRR	52.6	27.7	48.0	69.5*	66.3	52.8
Delta Pine DP 5634 RR	46.1	25.4	56.0*	65.9	69.5	52.6
Progeny 5105RR	44.7	32.3	50.3	70.5*	65.0	52.6
Pioneer 95M50	49.0	27.6	52.6	65.4	68.1	52.5
Golden Harvest H-5053RR	48.2	29.4	48.5	68.3*	67.9	52.5
Dyna-Gro 38K57	40.9	29.8	52.7	72.1*	66.4	52.4
Progeny 5250RR	49.7	30.7	53.5	63.0	64.9	52.4
Delta Grow 5460RR	52.1	28.6	49.9	66.3	64.7	52.3
Delta King DKXTJ6K54	55.1*	25.4	50.6	65.4	64.9	52.3
Delta Grow 5960RR	46.9	28.2	55.9*	63.7	66.3	52.2
NK Brand S56-D7	49.3	32.7	52.4	62.7	63.8	52.2
MPride/MPV 5505nRR	55.0*	25.9	52.4	64.7	62.5	52.1
Delta Grow 5160RR	44.3	31.0	49.6	68.0*	67.1	52.0
Progeny 5605RR	52.3	27.7	53.8	60.7	65.4	52.0
Delta King DKXTJ6G510	51.0	26.3	44.6	71.1*	66.2	51.8
Progeny 5660RR	50.8	25.1	60.0*	57.9	64.8	51.7
UniSouth USG 7553nRS	59.3**	22.4	50.8	62.4	63.7	51.7
Delta King DK5466	53.0	29.5	43.8	64.2	66.3	51.4
TN05 - 547RR	49.9	24.3	53.9	64.9	63.6	51.3
Morsoy RT 5620N	49.5	30.9	53.5	61.8	60.6	51.2
ASGROW AG5702	47.3	27.5	48.5	68.1*	64.6	51.2
Dyna-Gro 33X55	45.1	26.7	47.2	68.2*	67.9	51.0
Hornbeck HBK R5525	45.8	26.5	56.9*	64.6	61.2	51.0
Armor GP-555	51.3	23.1	56.3*	57.9	65.8	50.9
Delta King DK5366	48.9	25.2	54.1	59.4	66.3	50.8
Delta King DK5567	47.5	26.4	50.3	62.8	66.9	50.8
ASGROW AG5605	51.8	24.9	51.0	61.7	64.1	50.7
Mersch. Rushmore 553RR	53.9*	22.7	47.7	63.4	65.0	50.5
FFR 5663RR	56.3*	16.3	55.9*	57.9	65.3	50.3
Dyna-Gro 33B52	42.9	20.2	53.1	65.9	68.6	50.1
Delta King DK5066	45.4	30.5	45.9	64.5	64.1	50.1
Dyna-Gro 3535NRR	44.9	26.4	57.4*	56.0	65.2	50.0
Armor ARX B57104	47.7	20.8	50.1	64.6	66.5	49.9
UniSouth USG 510nRR	46.9	28.8	50.0	62.0	61.2	49.8
Armor 53-K3	50.4	23.8	53.1	58.9	61.8	49.6
Delta Grow 5260RR	47.1	26.5	44.6	64.9	64.9	49.6
Hornbeck HBK R5425	45.5	21.3	55.1	66.0	60.1	49.6
Dyna-Gro 36N57	42.9	20.9	57.3*	58.5	68.2	49.6
Crow's C5515R	42.0	22.3	46.9	68.8*	67.5	49.5
FFR 5033RR	41.8	26.2	43.0	66.9	67.3	49.0
Delta King DKXTJ6501	47.9	15.3	42.2	71.1*	67.3	48.8
Dyna-Gro 3562NRR	43.9	26.4	48.7	63.2	61.6	48.8
Mersch. Olympus RR	46.1	23.3	42.4	67.3	63.4	48.5
Delta Pine DP 5808 RR	47.7	14.7	55.5	58.3	65.9	48.4
Delta Pine DP 5414 RR	43.6	18.8	47.7	61.9	69.9*	48.4
Morsoy RT 5553N	44.0	26.1	40.5	64.3	65.3	48.0
Mersch. Everest RR	43.0	26.8	47.0	62.9	60.4	48.0
Crow's C5215R	33.4	30.7	51.5	65.7	58.7	48.0
Armor GP-513	36.7	21.1	53.2	62.5	66.2	47.9
Delta King DK5161	37.6	19.7	51.8	64.0	65.9	47.8
Southern Cross Abner	40.3	24.7	49.0	62.4	60.5	47.4
Armor 54-03	48.0	19.8	47.0	58.8	62.9	47.3

Table 33. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Oran	Morely	Morehouse	Portageville (Loam)	Portageville (Clay)	
Armor GP-530	34.2	20.9	49.0	64.9	64.4	46.7
NK Brand S52-U3	45.5	28.3	39.1	62.8	56.6	46.4
Hornbeck HBK 5324	38.8	28.9	49.8	53.5	60.8	46.4
Delta Grow 5560RR	49.0	20.0	35.9	61.4	59.4	45.1
Croplan Genetics RC5332RR	39.5	18.9	47.9	59.8	58.1	44.8
GROUP 5 AVERAGE	47.6	26.3	51.2	64.5	65.0	50.9
L.S.D. AT .10	5.8	5.9	5.8	6.8	4.3	2.6
C.V. %	8.6	15.4	7.9	7.7	4.6	8.8

Maturity group III soybean variety entered in the maturity group IV test.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

Note: To view seed treatments for these varieties refer to the location table or the characteristics chart.

TABLE 34. Non-Glyphosate Resistant / Special Traits Soybean Test

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.7; OM=3.3%; P=59; K=244

Cyst Nematode Population at Planting: 1162 Eggs/250cc of Soil

Rainfall: May=2.2, June=3.6, July=6.2, Aug.=3.2, Sept.=4.8 Total=20.0 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Southern Cross Benjamin	None	9-25	41	2	53.0**	--	--
High Yield Check 4	NA	9-26	42	1	50.0*	--	--
High Yield Check 5	NA	9-25	38	1	49.6*	--	--
Progeny 4910	None	9-28	46	2	49.6*	40.5	45.1
Trisoy 4380(CN)	None	9-21	38	3	44.2	--	--
High Yield Check 6	NA	10-03	41	3	40.8	--	--
GROUP 4 AVERAGE		9-25	41	2	47.9	42.1	45.0
L.S.D. AT .10					3.6	NS	
C.V. %					6.0	13.4	

MATURITY GROUP 5

UniSouth USG 5002T	10	10-01	34	2	53.9**	47.4**	50.7
UniSouth USG 5601T	10	10-07	40	2	52.3*	45.5	48.9
S00-9925-10	None	10-03	37	3	50.7*	--	--
S00-99970-09	None	10-04	34	1	50.3	--	--
Anand	8	10-05	32	1	48.0	44.7	46.4
High Yield Check 7	NA	9-28	32	2	45.4	--	--
High Yield Check 8	NA	10-03	35	3	41.3	--	--
High Yield Check 9	NA	10-06	34	1	36.9	--	--
GROUP 5 AVERAGE		10-02	35	2	47.3	44.0	45.7
L.S.D. AT .10					3.5	NS	
C.V. %					6.0	15.5	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 35. Non-Glyphosate Resistant / Special Traits Soybean Test

Southeast Region: Morely, MO (Mississippi County)

Soil Type: Clana Loamy Sand Soil Test: pH=5.9; OM=1.8%; P=86; K=171

Cyst Nematode Population at Planting: 1655 Eggs/250cc of Soil

Rainfall: May=2.2, June=3.6, July=6.2, Aug.=3.2, Sept.=4.8 Total=20.0 in.

Irrigation: 2.2 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
MATURITY GROUP 4							
Progeny 4910	None	9-22	30	1	40.4**	42.8**	41.6
Southern Cross Benjamin	None	9-08	25	0	33.0*	--	--
High Yield Check 4	NA	9-24	29	1	31.0*	--	--
High Yield Check 5	NA	9-15	20	1	28.9	--	--
Trisoy 4380(CN)	None	9-16	31	1	26.0	--	--
High Yield Check 6	NA	10-01	22	1	21.0	--	--
GROUP 4 AVERAGE		9-18	26	1	30.0	31.7	30.9
L.S.D. AT .10					11.0	NS	
C.V. %					29.1	38.9	

MATURITY GROUP 5

S00-99970-09	None	10-03	25	1	47.0**	--	--
S00-9925-10	None	9-30	21	1	45.8*	--	--
Anand	8	10-03	18	1	45.6*	34.7	40.2
High Yield Check 9	NA	10-03	25	1	36.3	--	--
High Yield Check 7	NA	9-21	26	1	35.4	--	--
UniSouth USG 5601T	10	9-24	25	1	24.2	35.3	29.8
High Yield Check 8	NA	9-24	18	1	21.8	--	--
UniSouth USG 5002T	10	10-03	14	1	20.4	30.3	25.4
GROUP 5 AVERAGE		9-28	22	1	34.6	31.0	32.8
L.S.D. AT .10					8.6	NS	
C.V. %					20.5	36.8	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 36. Non-Glyphosate Resistant / Special Traits Soybean Test

Southeast Region: Morehouse, MO (Stoddard County)

Soil Type: Sharkey Clay Soil Test: pH=5.6; OM=3.4%; P=42; K=326

Cyst Nematode Population at Planting: 165 Eggs/250cc of Soil

Rainfall: May=0.4, June=1.2, July=5.8, Aug.=3.8, Sept.=3.1 Total=14.3 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Southern Cross Benjamin	None	9-18	36	1	62.0**	--	--
High Yield Check 5	NA	9-22	30	1	52.8	--	--
High Yield Check 4	NA	9-24	37	5	50.8	--	--
High Yield Check 6	NA	10-01	28	1	50.4	--	--
Progeny 4910	None	9-26	38	3	50.2	46.4*	48.3
Trisoy 4380(CN)	None	9-10	36	5	34.2	--	--
GROUP 4 AVERAGE		9-21	34	3	50.1	45.9	48.0
L.S.D. AT .10					4.9	4.7	
C.V. %					7.8	8.2	

MATURITY GROUP 5

S00-99970-09	None	9-28	30	1	57.4**	--	--
S00-9925-10	None	9-27	26	2	52.5	--	--
UniSouth USG 5002T	10	9-28	29	3	51.7	57.9	54.8
High Yield Check 9	NA	10-01	28	2	49.7	--	--
High Yield Check 7	NA	9-24	36	3	49.0	--	--
UniSouth USG 5601T	10	10-03	36	3	48.0	58.6**	53.3
Anand	8	9-29	25	1	47.9	57.2	52.6
High Yield Check 8	NA	9-28	36	3	47.0	--	--
GROUP 5 AVERAGE		9-27	31	2	50.4	55.3	52.9
L.S.D. AT .10					NS	NS	
C.V. %					10.5	9.7	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 37. Non-Glyphosate Resistant / Special Traits Soybean Test

Southeast Region: Portageville (Loam), MO (Pemiscot County)

Soil Type: Tiptonville Silt Loam Soil Test: pH=6.0; OM=1.4%; P=89; K=213

Cyst Nematode Population at Planting: 2655 Eggs/250cc of Soil

Rainfall: May=0.6, June=2.3, July=4.4, Aug.=6.2, Sept.=2.2 Total=15.7 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	2 Yr. Mean
MATURITY GROUP 4							
Progeny 4910	None	9-29	49	3	74.2**	64.8	69.5
Southern Cross Benjamin	None	9-05	43	0	72.6*	--	--
High Yield Check 4	NA	9-13	41	5	71.8*	--	--
High Yield Check 6	NA	9-26	39	5	65.6*	--	--
High Yield Check 5	NA	9-05	36	3	57.3	--	--
Trisoy 4380(CN)	None	9-04	39	5	53.4	--	--
GROUP 4 AVERAGE		9-13	41	4	65.8	64.6	65.2
L.S.D. AT .10					8.9	3.6	
C.V. %					10.9	4.5	

MATURITY GROUP 5

UniSouth USG 5601T	10	9-26	36	3	75.6**	57.1	66.4
High Yield Check 9	NA	9-26	34	3	74.4*	--	--
High Yield Check 7	NA	9-16	41	5	71.8*	--	--
S00-99970-09	None	9-30	36	4	71.7*	--	--
Anand	8	9-27	33	2	69.7*	62.3*	66.0
UniSouth USG 5002T	10	9-29	32	3	67.7	62.5**	65.1
S00-9925-10	None	9-26	32	5	67.6	--	--
High Yield Check 8	NA	9-26	36	5	62.3	--	--
GROUP 5 AVERAGE		9-25	35	4	70.1	57.5	63.8
L.S.D. AT .10					6.2	4.3	
C.V. %					7.2	6.1	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 38. Non-Glyphosate Resistant / Special Traits Soybean Test

Southeast Region: Portageville (Clay), MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH=6.6; OM=2.8%; P=86; K=349

Cyst Nematode Population at Planting: 998 Eggs/250cc of Soil

Rainfall: May=0.6, June=2.3, July=4.4, Aug.=6.2, Sept.=2.2 Total=15.7 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2005	2004	
MATURITY GROUP 4							
Southern Cross Benjamin	None	9-13	36	3	68.9**	--	--
Progeny 4910	None	9-26	45	3	65.9*	65.7*	65.8
High Yield Check 5	NA	9-14	31	1	65.7*	--	--
High Yield Check 4	NA	9-19	39	4	64.8*	--	--
High Yield Check 6	NA	10-02	33	3	57.9	--	--
Trisoy 4380(CN)	None	9-11	36	4	53.9	--	--
GROUP 4 AVERAGE		9-18	37	3	62.9	63.6	63.3
L.S.D. AT .10					5.2	4.1	
C.V. %					6.7	5.2	

MATURITY GROUP 5

UniSouth USG 5601T	10	9-29	33	2	70.6**	62.9	66.8
High Yield Check 7	NA	9-20	36	4	67.4*	--	--
UniSouth USG 5002T	10	9-30	30	4	66.9*	63.6	65.3
S00-99970-09	None	9-27	33	2	66.4*	--	--
High Yield Check 9	NA	9-26	38	1	61.3	--	--
Anand	8	9-29	31	1	61.1	64.4**	62.8
High Yield Check 8	NA	9-26	30	4	60.9	--	--
S00-9925-10	None	9-26	33	1	60.3	--	--
GROUP 5 AVERAGE		9-26	33	2	64.4	61.9	63.2
L.S.D. AT .10					4.2	NS	
C.V. %					5.3	6.1	

-- Data not available.

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole); 9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

TABLE 39. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Five Southeast Missouri locations (Oran, Morely, Morehouse, Portageville (Loam), Portageville (Clay)) during 2005.

<u>Oran</u> Planted: 05-13 Harvested: 10-19 Growing Season Rainfall: 20.0 in. Irrigation: 0 in.	<u>Morely</u> Planted: 05-11 Harvested: 10-14 Growing Season Rainfall: 20.0 in. Irrigation: 2.2 in.	<u>Morehouse</u> Planted: 05-16 Harvested: 10-11 Growing Season Rainfall: 14.3 in. Irrigation: 0 in.
<u>Portageville (Loam)</u> Planted: 05-03 Harvested: 10-07 Growing Season Rainfall: 15.7 in. Irrigation: 12 in.	<u>Portageville (Clay)</u> Planted: 05-09 Harvested: 10-06 Growing Season Rainfall: 15.7 in. Irrigation: 12 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Oran	Morely	Morehouse	Portageville (Loam)	Portageville (Clay)	
MATURITY GROUP 4						
Southern Cross Benjamin	53.0**	33.0*	62.0**	72.6*	68.9**	57.9**
Progeny 4910	49.6*	40.4**	50.2	74.2**	65.9*	56.0*
High Yield Check 4	50.0*	31.0*	50.8	71.8*	64.8*	53.7
High Yield Check 5	49.6*	28.9	52.8	57.3	65.7*	50.8
High Yield Check 6	40.8	21.0	50.4	65.6*	57.9	47.1
Trisoy 4380(CN)	44.2	26.0	34.2	53.4	53.9	42.3
GROUP 4 AVERAGE	47.9	30.0	50.1	65.8	62.9	51.3
L.S.D. AT .10	3.6	11.0	4.9	8.9	5.2	3.1
C.V. %	6.0	29.1	7.8	10.9	6.7	12.1

MATURITY GROUP 5						
S00-99970-09	50.3	47.0**	57.4**	71.7*	66.4*	58.6**
S00-9925-10	50.7*	45.8*	52.5	67.6	60.3	55.4
Anand	48.0	45.6*	47.9	69.7*	61.1	54.4
UniSouth USG 5601T	52.3*	24.2	48.0	75.6**	70.6**	54.1
High Yield Check 7	45.4	35.4	49.0	71.8*	67.4*	53.8
UniSouth USG 5002T	53.9**	20.4	51.7	67.7	66.9*	52.1
High Yield Check 9	36.9	36.3	49.7	74.4*	61.3	51.7
High Yield Check 8	41.3	21.8	47.0	62.3	60.9	46.6
GROUP 5 AVERAGE	47.3	34.6	50.4	70.1	64.4	53.4
L.S.D. AT .10	3.5	8.6	NS	6.2	4.2	2.6
C.V. %	6.0	20.5	10.5	7.2	5.3	9.9

** Highest yielding variety in the maturity group.

* Yield not significantly less than the highest yielding variety in the maturity group.

NS Not Significant

Note: To view seed treatments for these varieties refer to the location table or the characteristics chart.

Soybean Characteristic Information

Variety	Seed Treat.	Variety/ Brand	Mat. Group	Phyto. Tolerance	Field	Phyto. Gene	SCN Source	SDS Rating	Herb. Res.	Special Trait
Anand	8	V	5.3	NA		NA	Hartwig	NA	None	None
Armor 42-B2	None	BR	4.2	3		Rps 1c	PI88788	4	GR	None
Armor 44-R4	None	BR	4.4	3		NA	PI88788	3	GR	None
Armor 47-G7	None	BR	4.7	4		NA	PI88788	3	GR	None
Armor 53-K3	None	BR	5.3	3		NA	PI88788	2	GR	None
Armor 54-03	None	BR	5.4	4		S	PI88788	4	GR,STS	None
Armor ARX B57104	None	V	5.7	NA		S	PI88788	3	GR	None
Armor GP-422	None	BR	4.2	2		NA	PI88788	2	GR	None
Armor GP-470	None	BR	4.7	2		NA	PI88788	2	GR	None
Armor GP-474	None	BR	4.7	2		NA	PI88788	4	GR	None
Armor GP-488	None	V	4.7	NA		S	Peking	3	GR	None
Armor GP-513	None	BR	5.1	2		NA	PI88788	5	GR	None
Armor GP-530	None	BR	5.3	2		NA	PI88788	2	GR	None
Armor GP-555	None	BR	5.5	2		NA	S	3	GR	None
ASGROW AG3203	3, 7	BR	3.2	5		Rps 1c	PI88788	4	GR	None
ASGROW AG3505	3, 7	BR	3.5	4		Rps 1k	PI88788	4	GR	None
ASGROW AG3602	3, 7	BR	3.6	8		Rps 1c	PI88788	7	GR	None
ASGROW AG3802	3, 7	BR	3.8	6		Rps 1c	PI88788	7	GR	None
ASGROW AG3905	3, 7	BR	3.9	5		Rps 1c	PI88788	5	GR	None
ASGROW AG4404	3, 7	BR	4.4	5		Rps 1c	PI88788	3	GR	None
ASGROW AG4503	3, 7	BR	4.5	5		Rps 1k	S	3	GR	None
ASGROW AG4703	3, 7	BR	4.7	5		Rps 1a	PI88788	3	GR	None
ASGROW AG4801	3, 7	BR	4.8	6		S	PI88788	4	GR	None
ASGROW AG4902	3, 7	BR	4.9	4		Rps 1k	PI88788	4	GR	None
ASGROW AG4903	3, 7	BR	4.9	8		S	S	2	GR	None
ASGROW AG5301	3, 7	BR	5.3	3		Rps 3a	PI88788	5	GR	None
ASGROW AG5605	3, 7	BR	5.6	4		S	PI88788	2	GR	None
ASGROW AG5702	3, 7	BR	5.7	5		S	PI88788	5	GR	None
Bio Gene BG3806RN	8	BR	3.8	2		S	PI88788	3	GR	None
Bio Gene BG4305NRR	8	BR	4.3	3		Rps 1c	PI88788	3	GR	None
Bio Gene BG4406RN	8	BR	4.4	3		S	PI88788	2	GR	None
Croplan Genetics RC4095	4, 7	BR	4.0	2		S	PI88788	NA	GR	None
Croplan Genetics RC4444RR	None	V	4.4	3		Rps 1a	NA	3	GR	None
Croplan Genetics RC4455	None	BR	4.4	2		S	PI88788	NA	GR	None
Croplan Genetics RC4655	None	BR	4.6	2		S	PI88788	NA	GR	None
Croplan Genetics RC4842RR	None	V	4.8	3		Rps 1a	NA	2	GR	None
Croplan Genetics RC4992RR	None	V	4.9	3		S	NA	2	GR	None
Croplan Genetics RC5332RR	None	V	5.3	2		Rps 1c	NA	2	GR	None
Croplan Genetics RT3555	None	BR	3.5	3		Rps 1k	S	NA	GR	None
Crow's C3817R	None	V	3.8	2		Rps 1c	PI88788	2	GR,STS	None
Crow's C4142R	None	V	4.1	3		S	PI88788	3	GR	None
Crow's C5215R	None	V	5.2	2		Rps 1c	PI88788	3	GR	None
Crow's C5515R	None	V	5.5	3		S	PI88788	2	GR	None
DEKALB DKB31-51	3, 7	BR	3.1	4		Rps 1k	S	5	GR	None
DEKALB DKB36-52	3, 7	BR	3.6	8		Rps 1c	PI88788	3	GR	None
DEKALB DKB38-52	3, 7	BR	3.8	4		Rps 1c	PI88788	4	GR	None
DEKALB DKB42-51	3, 7	BR	4.2	5		Rps 1c	PI88788	3	GR	None
DEKALB DKB46-51	3, 7	BR	4.6	4		S	PI88788	5	GR	None
Delta Grow 3950RR	2	BR	3.9	2		Rps 1k	PI88788	2	GR	None
Delta Grow 4150RR	2	BR	4.1	2		Rps 1a	PI88788	2	GR	None
Delta Grow 4250RR	2	BR	4.2	3		S	PI88788	3	GR	None
Delta Grow 4460RR	2	BR	4.4	4		S	PI88788	3	GR	None
Delta Grow 4660RR	2	BR	4.6	4		S	PI88788	3	GR	None
Delta Grow 4840RR	2	BR	4.8	3		S	PI88788	2	GR	None
Delta Grow 4860RR	2	BR	4.8	4		S	PI88788	2	GR	None
Delta Grow 4960RR	2	BR	4.9	4		S	PI88788	2	GR	None
Delta Grow 4970RR	2	BR	4.9	4		S	PI88788	2	GR	None
Delta Grow 5160RR	2	BR	5.1	4		S	PI88788	2	GR,STS	None
Delta Grow 5260RR	2	BR	5.2	3		Rps 1c	PI88788	3	GR	None
Delta Grow 5460RR	2	BR	5.4	5		S	PI88788	3	GR	None
Delta Grow 5560RR	2	BR	5.5	2		Rps 1c	PI88788	3	GR	None

Variety	Seed Treat.	Variety/ Brand	Mat. Group	Phyto. Tolerance	Field	Phyto. Gene	SCN Source	SDS Rating	Herb. Res.	Special Trait
Delta Grow 5630RR	2	BR	5.6	4		S	PI88788	3	GR	None
Delta Grow 5650RR	2	BR	5.6	5		S	PI88788	4	GR	None
Delta Grow 5830RR	2	BR	5.7	2		Rps 1k	PI88788	2	GR	None
Delta Grow 5960RR	2	BR	5.9	3		S	PI88788	5	GR	None
Delta King DK3967	2,6	V	3.9	NA		NA	NA	NA	GR	None
Delta King DK3968	2,6	V	3.9	NA		Rps 1c	NA	5	GR	None
Delta King DK4461	2,6	V	4.6	NA		Rps 1a	NA	2	GR	None
Delta King DK4566	2,6	V	4.5	NA		NA	NA	NA	GR	None
Delta King DK4661	2,6	V	4.6	NA		NA	NA	NA	GR	None
Delta King DK4667	2,6	V	4.6	NA		NA	NA	NA	GR	None
Delta King DK4763	2,6	V	4.7	NA		NA	NA	5	GR	None
Delta King DK4866	2,6	V	4.8	NA		NA	NA	2	GR	None
Delta King DK4868	2,6	V	4.8	NA		NA	NA	NA	GR	None
Delta King DK4967	2,6	V	4.9	NA		NA	NA	NA	GR	None
Delta King DK5066	2,6	V	5.0	NA		NA	NA	NA	GR	None
Delta King DK5161	2,6	V	5.1	NA		NA	NA	6	GR	None
Delta King DK5366	2,6	V	5.3	NA		Rps 1c	NA	2	GR	None
Delta King DK5466	2,6	V	5.4	NA		NA	NA	NA	GR	None
Delta King DK5567	2,6	V	5.5	NA		NA	NA	NA	GR	None
Delta King DK55T6	2,6	V	5.5	NA		NA	NA	NA	GR	None
Delta King DK5967	2,6	V	5.9	NA		NA	NA	NA	GR	None
Delta King DKXTJ638	2,6	V	3.8	NA		NA	NA	NA	GR	None
Delta King DKXTJ640	2,6	V	4.0	NA		NA	NA	NA	GR	None
Delta King DKXTJ648	2,6	V	4.8	NA		NA	NA	NA	GR	None
Delta King DKXTJ650	2,6	V	4.9	NA		NA	NA	NA	GR	None
Delta King DKXTJ6501	2,6	V	5.0	NA		NA	NA	NA	GR	None
Delta King DKXTJ6D44	2,6	V	4.4	NA		NA	NA	NA	GR	None
Delta King DKXTJ6G51	2,6	V	4.9	NA		NA	NA	NA	GR	None
Delta King DKXTJ6G510	2,6	V	5.0	NA		NA	NA	NA	GR	None
Delta King DKXTJ6K54	2,6	V	5.4	NA		NA	NA	NA	GR	None
Delta King DKXTJ6L49	2,6	V	4.9	NA		NA	NA	NA	GR	None
Delta Pine DP 3861 RR	None	BR	3.8	4		Rps 1c	PI88788	4	GR	None
Delta Pine DP 4331 RR	None	BR	4.3	1		Rps 1a	PI88788	3	GR	None
Delta Pine DP 4546 RR	None	BR	4.5	3		S	PI88788	5	GR	None
Delta Pine DP 4724 RR	None	BR	4.7	4		Rps 1k	PI88788	3	GR	None
Delta Pine DP 4933 RR	None	BR	4.9	2		S	PI88788	3	GR	None
Delta Pine DP 5414 RR	None	BR	5.4	3		S	PI88788	5	GR	None
Delta Pine DP 5634 RR	None	BR	5.6	4		Rps 1a	Peking	4	GR	None
Delta Pine DP 5808 RR	7	BR	5.8	3		Rps 3a	PI88788	5	GR	None
Delta Pine DP 5915 RR	None	BR	5.9	2		S	PI88788	3	GR	None
Delta Pine DPX 1908 RR	None	BR	4.1	NA		NA	NA	NA	GR	None
Dyna-Gro 32C38	5	V	3.8	NA		Rps 1c	PI88788	2	GR,STS	None
Dyna-Gro 33A37	5	V	3.7	NA		Rps 1c	PI88788	3	GR	None
Dyna-Gro 33B52	NA	V	5.2	3		S	NA	3	GR	None
Dyna-Gro 33X55	NA	V	5.5	2		S	NA	2	GR	None
Dyna-Gro 3443NRR	5	V	4.4	1		Rps 1a	NA	3	GR	None
Dyna-Gro 3463NRR	NA	V	4.6	3		S	NA	8	GR	None
Dyna-Gro 3468NRR	5	V	4.6	NA		S	PI88788	3	GR	None
Dyna-Gro 3481NRR	None	V	4.8	3		S	NA	3	GR	None
Dyna-Gro 3535NRR	NA	V	5.3	1		Rps 1c	NA	3	GR	None
Dyna-Gro 3562NRR	NA	V	5.6	2		S	NA	2	GR	None
Dyna-Gro 3583NRR	NA	V	5.8	3		S	NA	3	GR	None
Dyna-Gro 35B40	NA	V	4.0	2		Rps 1a	NA	2	GR	None
Dyna-Gro 35D33	5	V	3.3	NA		Rps 1k	PI88788	NA	GR	None
Dyna-Gro 35Z49	NA	V	4.9	2		S	NA	1	GR	None
Dyna-Gro 36M49	5	V	4.9	1		S	NA	1	GR	None
Dyna-Gro 36N57	NA	V	5.7	2		S	NA	3	GR	None
Dyna-Gro 36Y48	NA	V	4.8	2		S	NA	2	GR	None
Dyna-Gro 37A44	NA	V	4.4	2		S	NA	2	GR	None
Dyna-Gro 37F46	NA	V	4.6	2		S	NA	2	GR	None
Dyna-Gro 37K32	5	V	3.2	NA		Rps 1c	S	3	GR	None
Dyna-Gro 38K57	NA	V	5.7	3		S	NA	3	GR	None

Variety	Seed Treat.	Variety/ Brand	Mat. Group	Phyto. Tolerance	Field	Phyto. Gene	SCN Source	SDS Rating	Herb. Res.	Special Trait
Dyna-Gro 39G43	5	V	4.3	NA		Rps 1a	PI88788	3	GR	None
Dyna-Gro SX05138	5	V	3.8	NA		NA	NA	2	GR	None
Excel 8343NNRR	4	NA	3.4	3		S	PI88788	NA	GR	None
Excel 8357NNRR	4	NA	3.4	3		Rps 1k	PI88788	NA	GR	None
Excel 8430NNRR	4	NA	4.3	4		S	PI88788	NA	GR	None
Excel 8509NRR	4	NA	4.9	5		Rps 1k	PI88788	NA	GR	None
FFR 4545RR	3	BR	4.5	3		NA	PI88788	3	GR	None
FFR 4705RR	3, 4, 7	BR	4.7	3		NA	S	4	GR	None
FFR 4925RR	3, 4, 7	BR	4.9	4		NA	PI88788	NA	GR	None
FFR 5033RR	3	BR	5.0	3		Rps 1c	PI88788	3	GR	None
FFR 5663RR	3	BR	5.6	3		NA	PI88788	3	GR	None
Garst 3512RR/N	5	V	3.5	3		Rps 1k	PI88788	2	GR	None
Garst 3624RR/N	5	V	3.6	4		Rps 1c	PI88788	2	GR	None
Garst 3824RR/N	5	V	3.8	4		Rps 1c	PI88788	5	GR	None
Garst D484RR	5	V	4.8	5		S	PI88788	3	GR	None
Gateway 4R495	None	BR	4.9	3		S	PI88788	3	GR	None
Gateway 4RS421	None	BR	4.2	NA		S	PI88788	3	GR	None
Golden Harvest H-3606RR	3, 7	BR	3.6	3		Rps 1c	PI88788	3	GR	None
Golden Harvest H-3631RR	None	BR	3.6	2		Rps 1k	PI88788	2	GR	None
Golden Harvest H-3945RR	None	BR	3.9	2		Rps 1c	NA	3	GR	None
Golden Harvest H-4368RR	None	BR	4.3	2		S	NA	2	GR	None
Golden Harvest H-4878RR	None	BR	4.8	NA		S	NA	3	GR	None
Golden Harvest H-5053RR	None	BR	5.0	NA		S	NA	2	GR	None
Hornbeck HBK 5324	NA	BR	5.2	4		Rps 1k	PI88788	4	GR	None
Hornbeck HBK R3824	NA	BR	4.0	4		S	PI88788	2	GR	None
Hornbeck HBK R4623	None	BR	4.5	1		NA	PI88788	2	GR	None
Hornbeck HBK R4724	NA	BR	4.8	4		S	S	1	GR	None
Hornbeck HBK R4820	NA	BR	4.8	2		NA	S	3	GR	None
Hornbeck HBK R4924	NA	BR	4.9	6		S	PI88788	1	GR	None
Hornbeck HBK R5425	3, 7	BR	5.4	4		NA	PI88788	3	GR	None
Hornbeck HBK R5525	NA	BR	5.5	4		NA	PI88788	3	GR	None
Kruger K-330RR	5	BR	3.3	4		Rps 1k	S	4	GR	None
Kruger K-333RR/SCN	5	BR	3.3	NA		NA	PI88788	3	GR	None
Kruger K-340RR	5	BR	3.4	NA		NA	S	NA	GR	None
Kruger K-341RR/SCN	5	BR	3.4	NA		Rps 1k	PI88788	3	GR	None
Kruger K-349RR	5	BR	3.4	5		Rps 1c	S	5	GR	None
Kruger K-355RR/SCN	5	BR	3.5	5		Rps 1k	PI88788	4	GR	None
Kruger K-370RR/SCN	5	BR	3.7	NA		NA	PI88788	NA	GR	None
Kruger K-373RR/SCN	5	BR	3.7	3		Rps 1k	PI88788	2	GR	None
Kruger K-389RR/SCN	5	BR	3.8	3		Rps 1c	PI88788	3	GR	None
Kruger K-397RR/SCN	5	BR	3.8	3		NA	PI88788	3	GR	None
Kruger K-399RR/SCN	5	BR	3.9	3		NA	PI88788	3	GR	None
Kruger K-403RR/SCN	5	BR	4.0	NA		NA	PI88788	NA	GR	None
Kruger K-404RR	5	BR	4.0	5		Rps 1k	S	3	GR	None
Kruger K-410RR/SCN	5	BR	4.1	4		NA	PI88788	4	GR	None
Kruger K-411RR/SCN	5	BR	4.1	NA		NA	PI88788	NA	GR	None
Kruger K-433RR/SCN	5	BR	4.3	NA		NA	PI88788	4	GR	None
Kruger K-473RR/SCN	5	BR	4.8	NA		NA	PI88788	3	GR	None
Lewis 3515	1, 8	BR	3.5	2		Rps 1k	PI88788	3	GR	None
Lewis 3706	1, 8	BR	3.7	2		Rps 1k	PI88788	2	GR	None
Lewis 3716	1, 8	BR	3.7	3		Rps 1c	PI88788	2	GR	None
Lewis 3875	1, 8	BR	3.8	2		Rps 1k	PI88788	2	GR	None
Lewis 4010	1, 8	BR	4.0	3		Rps 1a	PI88788	3	GR	None
LG Seeds C3777NRR	None	BR	3.7	4		Rps 1k	PI88788	2	GR	None
LG Seeds C3851RR	None	BR	3.8	4		S	PI88788	2	GR	None
LG Seeds C4115NRR	None	BR	4.1	4		Rps 1a	PI88788	2	GR	None
Mersch. Austin 643RR	None	BR	4.3	5		S	PI88788	3	GR,STS	None
Mersch. Dallas RR	9	BR	4.8	4		S	PI88788	3	GR	None
Mersch. Denver RRSTS	9	BR	4.5	5		S	PI88788	4	GR,STS	None
Mersch. Everest RR	9	BR	5.3	4		S	PI88788	4	GR	None
Mersch. Kennedy 538RR	9	BR	3.8	5		S	PI88788	5	GR	None
Mersch. Memphis 642RR	None	BR	4.2	5		S	PI88788	5	GR	None

Variety	Seed Treat.	Variety/ Brand	Mat. Group	Phyto. Tolerance	Field	Phyto. Gene	SCN Source	SDS Rating	Herb. Res.	Special Trait
Mersch. Olympus RR	9	BR	5.0	5		S	PI88788	4	GR	None
Mersch. Phoenix IIIRR	9	BR	4.0	5		S	PI88788	3	GR	None
Mersch. Richmond 649RR	None	BR	4.9	4		S	PI88788	4	GR	None
Mersch. Rocky RR	9	BR	4.6	5		S	PI88788	5	GR	None
Mersch. Rushmore 553RR	9	BR	5.3	5		S	PI88788	5	GR	None
Mersch. Washington IXRR	9	BR	3.9	3		Rps 1k	PI88788	3	GR	None
MFA Morsoy RT 3105N	5	BR	3.1	2		Rps 1c	PI88788	5	GR	None
MFA Morsoy RT 3304N	5	BR	3.3	2		Rps 1k	PI88788	5	GR	None
MFA Morsoy RT 3644N	5	BR	3.6	2		Rps 1c	PI88788	2	GR	None
MFA Morsoy RT 3665N	5	BR	3.6	2		Rps 1k	PI88788	4	GR	None
MFA Morsoy RT 3804N	5	BR	3.8	2		Rps 1c	PI88788	2	GR	None
MFA Morsoy RT 3805	5	BR	3.8	3		S	S	2	GR	None
MFA Morsoy RT 3991N	5	BR	3.9	2		Rps 1c	PI88788	5	GR	None
MFA Morsoy RT 4114N	5	BR	4.2	2		Rps 1c	PI88788	4	GR	None
MFA Morsoy RT 4124N	5	BR	4.0	2		S	PI88788	4	GR	None
MFA Morsoy RT 4201N	5	BR	4.2	2		S	PI88788	3	GR	None
MFA Morsoy RT 4225N	5	BR	4.2	3		S	PI88788	2	GR	None
MFA Morsoy RT 4345N	5	BR	4.3	2		Rps 1a	PI88788	5	GR	None
MFA Morsoy RT 4480N	5	BR	4.4	3		Rps 1a	PI88788	3	GR	None
MFA Morsoy RT 4485N	5	BR	4.4	3		S	PI88788	3	GR	None
MFA Morsoy RT 4683N	5	BR	4.6	2		S	PI88788	2	GR	None
MFA Morsoy RT 4731N	5	BR	4.7	2		S	PI88788	6	GR	None
MFA Morsoy RT 4845N	5	BR	4.8	2		S	PI88788	2	GR	None
MFA Morsoy RT 5043N	5	BR	5.0	2		S	PI88788	3	GR	None
MFA Morsoy RT 5154N	5	BR	5.1	2		S	PI88788	2	GR	None
MFA Morsoy RTS 4824	5	BR	4.8	2		Rps 1a	S	3	GR,STS	None
Midland MG 3816NRS	None	BR	3.8	9		S	PI88788	NA	GR	None
Midland MG 3826NRR	None	BR	3.8	NA		Rps 1c	PI88788	3	GR	None
Midland MG 4406NRS	None	BR	4.4	6		S	PI88788	4	GR	None
Midland MG 4806NRS	None	BR	4.8	NA		Rps 1a	PI88788	4	GR	None
Midland MG 9A373NRR	None	BR	3.7	8		Rps 1c	PI88788	5	GR	None
Midland MG 9A385NRS	None	BR	3.8	6		Rps 1c	PI88788	3	GR	None
Midland MG 9A402NRR	None	BR	4.0	7		S	PI88788	3	GR	None
Midland MG 9A494XRR	None	BR	4.9	6		S	CystX	2	GR	None
Midwest Seed Gen. GR3832	None	V	3.8	2		Rps 1c	PI88788	2	GR,STS	None
Midwest Seed Gen. GR4154	None	V	4.1	3		S	PI88788	3	GR	None
Midwest Seed Gen. GR4454	None	V	4.4	2		NA	PI88788	2	GR,STS	None
Midwest Seed Gen. GR4752	None	V	4.7	2		S	PI88788	4	GR	None
MPride/MPV 3605nRR	3, 4, 7	BR	3.6	NA		Rps 1c	PI88788	3	GR	None
MPride/MPV 3803nRR	3, 4, 7	BR	3.8	NA		Rps 1k	NA	3	GR	None
MPride/MPV 3805nRR	3, 4, 7	BR	3.8	3		NA	PI88788	3	GR	None
MPride/MPV 3903nRR	3, 4, 7	BR	3.9	4		Rps 1c	NA	5	GR	None
MPride/MPV 4404nRR	3, 4, 7	BR	4.4	5		Rps 1a	NA	3	GR	None
MPride/MPV 4506nRR	3, 4, 7	BR	4.5	5		S	NA	5	GR	None
MPride/MPV 4705nRR	3, 4, 7	BR	4.7	3		S	NA	4	GR	None
MPride/MPV 4706nRR	3, 4, 7	BR	4.7	5		S	NA	5	GR	None
MPride/MPV 4905nRR	3, 4, 7	BR	4.9	3		S	NA	4	GR	None
MPride/MPV 5206nRR	3, 4, 7	BR	5.2	5		S	NA	4	GR	None
MPride/MPV 5505nRR	3, 4, 7	BR	5.5	5		S	NA	3	GR	None
Morsoy RT 4665N	5	BR	4.6	3		S	PI88788	2	GR	None
Morsoy RT 4802N	5	BR	4.8	2		S	PI88788	2	GR	None
Morsoy RT 4914N	5	BR	4.9	1		Rps 1k	PI88788	2	GR	None
Morsoy RT 4993N	5	BR	4.9	2		S	PI88788	2	GR	None
Morsoy RT 5553N	5	BR	5.5	2		S	PI88788	2	GR	None
Morsoy RT 5620N	5	BR	5.6	2		S	PI88788	4	GR	None
Morsoy RTS 4955N	5	BR	4.9	2		S	PI88788	2	GR,STS	None
NC+ 3A84RR	None	BR	3.8	3		Rps 1k	S	3	GR	None
NC+ 3A92RR	None	BR	3.9	3		Rps 1c	PI88788	4	GR	None
NC+ 4A14RR	None	BR	4.1	3		Rps 1c	PI88788	5	GR	None
NK Brand S35-F9	2	V	3.5	4		Rps 1c	S	4	GR	None
NK Brand S49-Q9	2	V	4.9	3		Rps 1c	PI88788	3	GR	None
NK Brand S52-U3	2	V	5.2	3		S	PI88788	5	GR	None

Variety	Seed Treat.	Variety/ Brand	Mat. Group	Phyto. Field Tolerance	Phyto. Gene	SCN Source	SDS Rating	Herb. Res.	Special Trait
NK Brand S56-D7	2	V	5.6	3	S	PI88788	2	GR	None
NuTech NT-3101+ RR	3, 4	BR	3.1	2	Rps 1c	PI88788	2	GR	None
NuTech NT-3500 RR	None	BR	3.5	NA	Rps 1c, 1k	PI88788	2	GR	None
NuTech NT-3515 RR/SCN	None	BR	3.5	NA	NA	PI88788	NA	GR	None
NuTech NT-3636 RR/SCN	None	BR	3.6	NA	Rps 1k	PI88788	2	GR	None
NuTech NT-3636+ RR/SCN	3, 4	BR	3.6	NA	Rps 1k	PI88788	2	GR	None
NuTech NT-3666 RR/SCN	None	BR	3.6	NA	Rps 1c	PI88788	2	GR	None
NuTech NT-3666+ RR/SCN	3, 4	BR	3.6	NA	Rps 1c	PI88788	2	GR	None
NuTech NT-3737 RR/SCN	None	BR	3.7	2	Rps 1c	PI88788	NA	GR	None
NuTech NT-3737+RR/SCN	3, 4	BR	3.7	2	Rps 1c	PI88788	NA	GR	None
NuTech NT-3777 RR	None	BR	3.7	NA	NA	PI88788	2	GR	None
NuTech NT-3777+ RR	3, 4	BR	3.7	NA	NA	PI88788	2	GR	None
NuTech NT-3839+ RR	3, 4	BR	3.8	NA	Rps 1k	PI88788	2	GR	None
NuTech NT-3909+ RR/SCN/STS	NA	BR	3.9	NA	NA	NA	NA	GR	None
NuTech NT-3999+ RR/SCN	3, 4	BR	3.9	2	Rps 1c	PI88788	NA	GR	None
Pioneer 93M11	3, 7	V	3.1	5	Rps 1k	PI88788	3	GR	None
Pioneer 93M50	2, 4	V	3.5	4	Rps 1k	PI88788	3	GR	None
Pioneer 93M90	3, 7	BR	3.9	3	S	PI88788	4	GR	None
Pioneer 94B73	None	BR	4.7	6	Rps 1k	S	5	GR	None
Pioneer 94M30	2, 4	V	4.3	5	Rps 1k	PI88788	3	GR	None
Pioneer 94M50	None	BR	4.5	4	Rps 1c	PI88788	4	GR	None
Pioneer 94M70	None	BR	4.7	5	Rps 1k	PI88788	4	GR	None
Pioneer 94M80	3, 7	BR	4.8	3	S	PI88788	2	GR	None
Pioneer 94M90	None	BR	4.9	3	S	PI88788	3	GR	None
Pioneer 95M50	None	BR	5.5	2	S	PI88788	NA	GR	None
Prairie Brand PB-3585NRR	None	BR	3.5	4	Rps 1k	PI88788	4	GR	None
Prairie Brand PB-3785NRR	None	BR	3.7	4	Rps 1c	PI88788	3	GR	None
Prairie Brand PB-3894NRR	None	BR	3.8	5	Rps 1c	PI88788	4	GR,STS	None
Prairie Brand PB-3905RR	None	BR	3.9	5	S	NA	4	GR	None
Prairie Brand PB-4023NRR	None	BR	4.0	5	S	PI88788	4	GR	None
Prairie Brand PB-4394NRR	None	BR	4.3	5	S	PI88788	5	GR	None
Prairie Brand PB-4583NRR	None	BR	4.5	5	S	PI88788	4	GR,STS	None
Progeny 3805RR	None	NA	3.8	3	S	PI88788	2	GR	None
Progeny 3900RR	None	NA	3.9	2	Rps 1k	PI88788	1	GR	None
Progeny 3905RR	None	NA	3.9	2	Rps 1a	PI88788	3	GR	None
Progeny 4205RR	None	NA	4.2	2	Rps 1a	PI88788	2	GR	None
Progeny 4315RR	None	NA	4.3	3	S	PI88788	2	GR	None
Progeny 4401RR	None	NA	4.4	2	Rps 1a	PI88788	4	GR	None
Progeny 4405RR	None	NA	4.4	3	S	PI88788	2	GR	None
Progeny 4604RR	None	NA	4.6	3	S	PI88788	4	GR	None
Progeny 4615RR	None	NA	4.6	4	S	PI88788	2	GR	None
Progeny 4804RR	None	NA	4.8	3	S	PI88788	1	GR	None
Progeny 4805RR	None	NA	4.8	4	S	PI88788	4	GR	None
Progeny 4910	None	NA	4.9	6	S	PI88788	4	None	None
Progeny 4949RR	None	NA	4.9	4	S	PI88788	2	GR	None
Progeny 5105RR	None	NA	5.1	3	S	PI88788	2	GR	None
Progeny 5115RR	None	NA	5.1	4	S	PI88788	2	GR	None
Progeny 5205RR	None	NA	5.0	2	Rps 1k	PI88788	3	GR	None
Progeny 5250RR	None	NA	5.2	4	S	PI88788	2	GR	None
Progeny 5605RR	None	NA	5.6	2	Rps 1k	S	2	GR	None
Progeny 5622RR	None	NA	5.6	4	S	PI88788	4	GR	None
Progeny 5660RR	None	NA	5.6	4	S	PI88788	4	GR	None
Renze R3726RR	None	BR	3.7	3	S	PI88788	3	GR	None
Renze R3814RR	None	BR	3.8	3	Rps 1k	PI88788	2	GR	None
Renze R3835SRcn	None	BR	3.8	3	Rps 1c	PI88788	2	GR,STS	None
Renze R3996RRcn	None	BR	3.9	3	Rps 1a	PI88788	2	GR	None
Renze R4486RRcn	None	BR	4.4	4	S	PI88788	2	GR	None
S00-9925-10	None	V	5.0	3	S	Hartwig	3	None	None
S00-99970-09	None	V	5.5	3	S	Hartwig	3	None	None
Schillinger 476.RC	None	V	4.7	NA	NA	PI88788	NA	GR	None
Schillinger 495.RC	None	V	4.9	NA	NA	PI88788	NA	GR	None
Southern Cross Abner	None	V	5.2	NA	Rps 1c	PI88788	4	GR	None

Variety	Seed Treat.	Variety/ Brand	Mat. Group	Phyto. Field Tolerance	Phyto. Gene	SCN Source	SDS Rating	Herb. Res.	Special Trait
Southern Cross Benjamin	None	V	4.3	NA	Rps 1c	PI88788	2	None	None
Southern Cross Levi	None	V	4.4	NA	Rps 1a	PI88788	2	GR	None
Southern Cross Reuben	None	V	4.8	NA	Rps 1a	PI88788	NA	GR	None
Southern Cross Stephen	None	V	3.8	NA	Rps 1k	PI88788	3	GR	None
Stine 3532-4	None	BR	3.4	2	Rps 1k	PI88788	NA	GR	None
Stine 3600-4	None	BR	3.7	2	S	S	NA	GR	None
Stine 4102-4	None	BR	4.0	2	S	PI88788	NA	GR,STS	None
Stine 4532-4	None	BR	4.5	2	Rps 1a	PI88788	NA	GR	None
Stine 4842-4	None	BR	4.7	2	S	PI88788	NA	GR	None
Stone HC 2385NRR	None	V	3.8	2	S	PI88788	2	GR	None
Stone HC 2405NRR	None	V	4.0	1	Rps 1a	PI88788	2	GR	None
Taylor 353RR	None	BR	3.6	2	S	S	1	GR	None
TN05 - 547RR	None	NA	5.5	NA	NA	NA	NA	GR	None
Trisoy 4254RR(CN)	None	BR	4.2	3	Rps 1c	PI88788	4	GR	None
Trisoy 4380(CN)	None	BR	4.3	3	S	PI88788	4	None	None
Trisoy 4557RR(CN)	None	BR	4.5	4	S	PI88788	3	GR	None
Trisoy 4858RR(CN)	None	BR	4.8	4	S	PI88788	3	GR	None
UniSouth USG 5002T	10	V	5.0	NA	S	Peking	1	None	None
UniSouth USG 510nRR	10	BR	5.1	NA	S	PI88788	NA	GR	None
UniSouth USG 5601T	10	V	5.6	NA	S	S	NA	None	None
UniSouth USG 7440nRR	10	BR	4.4	3	S	Peking	2	GR	None
UniSouth USG 7455nRR	10	BR	4.5	2	Rps 1a	PI88788	2	GR	None
UniSouth USG 7466nRR	10	BR	4.6	NA	S	PI88788	2	GR	None
UniSouth USG 7473nRR	10	BR	4.7	NA	NA	PI88788	NA	GR	None
UniSouth USG 7475RR	10	BR	4.7	NA	S	PI88788	NA	GR	None
UniSouth USG 7484nRR	10	BR	4.8	2	S	PI88788	2	GR	None
UniSouth USG 7499nRR	10	BR	4.9	NA	S	PI88788	NA	GR	None
UniSouth USG 7504nRR	10	BR	5.0	NA	S	PI88788	NA	GR	None
UniSouth USG 7505nRR	10	BR	5.0	NA	S	PI88788	NA	GR	None
UniSouth USG 7515NRR	10	BR	5.1	2	S	PI88788	2	GR,STS	None
UniSouth USG 7553nRS	10	BR	5.5	3	S	PI88788	2	GR	None
Vigoro V35N6RR	2	NA	3.5	3	Rps 1k	PI88788	3	GR	None
Vigoro V38N5RS	2	NA	3.8	3	Rps 1c	PI88788	3	GR	None
Vigoro V39N4RR	2	NA	3.9	3	Rps 1k	PI88788	2	GR	None
Vigoro V40N3RR	2	NA	4.0	3	S	PI88788	3	GR	None
Vigoro V42N3RR	2	NA	4.2	3	S	PI88788	3	GR	None
Vigoro V44N6RR	2	NA	4.4	2	S	PI88788	2	GR	None
Vigoro V48N5RR	2	NA	4.8	2	NA	PI88788	5	GR	None
Willcross RR2335N	NA	BR	3.3	NA	Rps 1k	PI88788	3	GR	None
Willcross RR2355N	NA	BR	3.5	NA	Rps 1c	PI88788	2	GR	None
Willcross RR2385NSTS	NA	BR	3.8	2	Rps 1c	PI88788	2	GR	None
Willcross RR2386	NA	BR	3.8	2	S	PI88788	2	GR	None
Willcross RR2386NX2	NA	BR	3.8	2	S	PI88788	NA	GR	None
Willcross RR2432N	2, 4	BR	4.3	2	Rps 1a	PI88788	2	GR	None
Willcross RR2446N	2, 4	BR	4.4	2	S	PI88788	2	GR	None
Willcross RR2484N	2, 4	BR	4.8	2	S	PI88788	3	GR	None
Willcross RR2486N	2, 4	BR	4.8	2	Rps 1a	PI88788	2	GR	None
Willcross RR2525N	8	BR	5.2	1	S	S	2	GR	None
Willcross RR2544NSTS	2, 4	BR	5.4	2	S	PI88788	NA	GR	None

* Descriptions were provided by the companies submitting them for evaluation

NA – Information Not Available

Seed Treatment: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam);

4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam);

6= Molybdenum; 7= Maxim (Fludioxonil); 8= Rival (Captan, Pentachloronitrobenzene, Thiabendazole));

9= Soygard (Metalaxyl, Azoxystrobin); 10= Stiletto (Carboxin, Thiram, Metalaxyl)

Variety/ Brand: V for variety, BR for brand

Maturity Group: Relative Maturity Group

Phytophthora Field Tolerance: Scale 1-9 (1 = excel, 9 = poor)

Phytophthora Gene: (Rps 1a, Rps 1c, Rps 1k, Rps 3a, S = None)

Cyst Nematode Source: CystX, Peking, PI88788, Hartwig, or S=Susceptible

SDS Rating: Scale 1-9 (1 = excel, 9 = poor)

Herbicide Resistance: GR (glyphosate), STS, or None

List of Tables by Variety

Variety Name	Table Numbers
Anand	22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39
Armor 42-B2	28, 29, 30, 31, 32, 33
Armor 44-R4	28, 29, 30, 31, 32, 33
Armor 47-G7	28, 29, 30, 31, 32, 33
Armor 53-K3	28, 29, 30, 31, 32, 33
Armor 54-03	28, 29, 30, 31, 32, 33
Armor ARX B57104	28, 29, 30, 31, 32, 33
Armor GP-422	28, 29, 30, 31, 32, 33
Armor GP-470	28, 29, 30, 31, 32, 33
Armor GP-474	28, 29, 30, 31, 32, 33
Armor GP-488	28, 29, 30, 31, 32, 33
Armor GP-513	28, 29, 30, 31, 32, 33
Armor GP-530	28, 29, 30, 31, 32, 33
Armor GP-555	28, 29, 30, 31, 32, 33
ASGROW AG3203	2, 3, 4, 5, 6, 7
ASGROW AG3505	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
ASGROW AG3602	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
ASGROW AG3802	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
ASGROW AG3905	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
ASGROW AG4404	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
ASGROW AG4503	28, 29, 30, 31, 32, 33
ASGROW AG4703	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
ASGROW AG4801	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
ASGROW AG4902	16, 17, 18, 19, 20, 21
ASGROW AG4903	28, 29, 30, 31, 32, 33
ASGROW AG5301	28, 29, 30, 31, 32, 33
ASGROW AG5605	28, 29, 30, 31, 32, 33
ASGROW AG5702	28, 29, 30, 31, 32, 33
Bio Gene BG3806RN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Bio Gene BG4305NRR	9, 10, 11, 12, 13, 14
Bio Gene BG4406RN	9, 10, 11, 12, 13, 14
Croplan Genetics RC4095	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
Croplan Genetics RC4444RR	28, 29, 30, 31, 32, 33
Croplan Genetics RC4455	16, 17, 18, 19, 20, 21
Croplan Genetics RC4655	16, 17, 18, 19, 20, 21
Croplan Genetics RC4842RR	28, 29, 30, 31, 32, 33
Croplan Genetics RC4992RR	28, 29, 30, 31, 32, 33
Croplan Genetics RC5332RR	28, 29, 30, 31, 32, 33
Croplan Genetics RT3555	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Crow's C3817R	2, 3, 4, 5, 6, 7
Crow's C4142R	2, 3, 4, 5, 6, 7
Crow's C5215R	28, 29, 30, 31, 32, 33
Crow's C5515R	28, 29, 30, 31, 32, 33
DEKALB DKB31-51	2, 3, 4, 5, 6, 7
DEKALB DKB36-52	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
DEKALB DKB38-52	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
DEKALB DKB42-51	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
DEKALB DKB46-51	16, 17, 18, 19, 20, 21
Delta Grow 3950RR	28, 29, 30, 31, 32, 33
Delta Grow 4150RR	28, 29, 30, 31, 32, 33
Delta Grow 4250RR	28, 29, 30, 31, 32, 33
Delta Grow 4460RR	28, 29, 30, 31, 32, 33
Delta Grow 4660RR	28, 29, 30, 31, 32, 33
Delta Grow 4840RR	28, 29, 30, 31, 32, 33
Delta Grow 4860RR	28, 29, 30, 31, 32, 33
Delta Grow 4960RR	28, 29, 30, 31, 32, 33
Delta Grow 4970RR	28, 29, 30, 31, 32, 33
Delta Grow 5160RR	28, 29, 30, 31, 32, 33
Delta Grow 5260RR	28, 29, 30, 31, 32, 33
Delta Grow 5460RR	28, 29, 30, 31, 32, 33
Delta Grow 5560RR	28, 29, 30, 31, 32, 33
Delta Grow 5630RR	28, 29, 30, 31, 32, 33

Variety Name	Table Numbers
Delta Grow 5650RR	28, 29, 30, 31, 32, 33
Delta Grow 5830RR	28, 29, 30, 31, 32, 33
Delta Grow 5960RR	28, 29, 30, 31, 32, 33
Delta King DK3967	28, 29, 30, 31, 32, 33
Delta King DK3968	28, 29, 30, 31, 32, 33
Delta King DK4461	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DK4566	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DK4661	28, 29, 30, 31, 32, 33
Delta King DK4667	28, 29, 30, 31, 32, 33
Delta King DK4763	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DK4866	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DK4868	28, 29, 30, 31, 32, 33
Delta King DK4967	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DK5066	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DK5161	28, 29, 30, 31, 32, 33
Delta King DK5366	28, 29, 30, 31, 32, 33
Delta King DK5466	28, 29, 30, 31, 32, 33
Delta King DK5567	28, 29, 30, 31, 32, 33
Delta King DK55T6	28, 29, 30, 31, 32, 33
Delta King DK5967	28, 29, 30, 31, 32, 33
Delta King DKXTJ638	28, 29, 30, 31, 32, 33
Delta King DKXTJ640	28, 29, 30, 31, 32, 33
Delta King DKXTJ648	28, 29, 30, 31, 32, 33
Delta King DKXTJ650	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DKXTJ6501	28, 29, 30, 31, 32, 33
Delta King DKXTJ6D44	28, 29, 30, 31, 32, 33
Delta King DKXTJ6G51	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Delta King DKXTJ6G510	28, 29, 30, 31, 32, 33
Delta King DKXTJ6K54	28, 29, 30, 31, 32, 33
Delta King DKXTJ6L49	28, 29, 30, 31, 32, 33
Delta Pine DP 3861 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 4331 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 4546 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 4724 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 4933 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 5414 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 5634 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 5808 RR	28, 29, 30, 31, 32, 33
Delta Pine DP 5915 RR	28, 29, 30, 31, 32, 33
Delta Pine DPX 1908 RR	28, 29, 30, 31, 32, 33
Dyna-Gro 32C38	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Dyna-Gro 33A37	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Dyna-Gro 33B52	28, 29, 30, 31, 32, 33
Dyna-Gro 33X55	28, 29, 30, 31, 32, 33
Dyna-Gro 3443NRR	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Dyna-Gro 3463NRR	28, 29, 30, 31, 32, 33
Dyna-Gro 3468NRR	16, 17, 18, 19, 20, 21
Dyna-Gro 3481NRR	28, 29, 30, 31, 32, 33
Dyna-Gro 3535NRR	28, 29, 30, 31, 32, 33
Dyna-Gro 3562NRR	28, 29, 30, 31, 32, 33
Dyna-Gro 3583NRR	28, 29, 30, 31, 32, 33
Dyna-Gro 35B40	28, 29, 30, 31, 32, 33
Dyna-Gro 35D33	2, 3, 4, 5, 6, 7
Dyna-Gro 35Z49	28, 29, 30, 31, 32, 33
Dyna-Gro 36M49	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Dyna-Gro 36N57	28, 29, 30, 31, 32, 33
Dyna-Gro 36Y48	28, 29, 30, 31, 32, 33
Dyna-Gro 37A44	28, 29, 30, 31, 32, 33
Dyna-Gro 37F46	28, 29, 30, 31, 32, 33
Dyna-Gro 37K32	2, 3, 4, 5, 6, 7
Dyna-Gro 38K57	28, 29, 30, 31, 32, 33
Dyna-Gro 39G43	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
Dyna-Gro SX05138	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14

Variety Name	Table Numbers
Excel 8343NNRR	2, 3, 4, 5, 6, 7
Excel 8357NNRR	2, 3, 4, 5, 6, 7
Excel 8430NNRR	2, 3, 4, 5, 6, 7
Excel 8509NRR	28, 29, 30, 31, 32, 33
FFR 4545RR	28, 29, 30, 31, 32, 33
FFR 4705RR	28, 29, 30, 31, 32, 33
FFR 4925RR	28, 29, 30, 31, 32, 33
FFR 5033RR	28, 29, 30, 31, 32, 33
FFR 5663RR	28, 29, 30, 31, 32, 33
Garst 3512RR/N	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Garst 3624RR/N	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 28, 29, 30, 31, 32, 33
Garst 3824RR/N	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 28, 29, 30, 31, 32, 33
Garst D484RR	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Gateway 4R495	28, 29, 30, 31, 32, 33
Gateway 4RS421	28, 29, 30, 31, 32, 33
Golden Harvest H-3606RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Golden Harvest H-3631RR	2, 3, 4, 5, 6, 7
Golden Harvest H-3945RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Golden Harvest H-4368RR	9, 10, 11, 12, 13, 14
Golden Harvest H-4878RR	28, 29, 30, 31, 32, 33
Golden Harvest H-5053RR	28, 29, 30, 31, 32, 33
Hornbeck HBK 5324	28, 29, 30, 31, 32, 33
Hornbeck HBK R3824	28, 29, 30, 31, 32, 33
Hornbeck HBK R4623	28, 29, 30, 31, 32, 33
Hornbeck HBK R4724	28, 29, 30, 31, 32, 33
Hornbeck HBK R4820	28, 29, 30, 31, 32, 33
Hornbeck HBK R4924	28, 29, 30, 31, 32, 33
Hornbeck HBK R5425	28, 29, 30, 31, 32, 33
Hornbeck HBK R5525	28, 29, 30, 31, 32, 33
Kruger K-330RR	2, 3, 4, 5, 6, 7
Kruger K-333RR/SCN	2, 3, 4, 5, 6, 7
Kruger K-340RR	2, 3, 4, 5, 6, 7
Kruger K-341RR/SCN	2, 3, 4, 5, 6, 7
Kruger K-349RR	2, 3, 4, 5, 6, 7
Kruger K-355RR/SCN	2, 3, 4, 5, 6, 7
Kruger K-370RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-373RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-389RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-397RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-399RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-403RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-404RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-410RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-411RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Kruger K-433RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
Kruger K-473RR/SCN	16, 17, 18, 19, 20, 21
Lewis 3515	2, 3, 4, 5, 6, 7
Lewis 3706	9, 10, 11, 12, 13, 14
Lewis 3716	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Lewis 3875	2, 3, 4, 5, 6, 7
Lewis 4010	9, 10, 11, 12, 13, 14
LG Seeds C3777NRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
LG Seeds C3851RR	2, 3, 4, 5, 6, 7
LG Seeds C4115NRR	9, 10, 11, 12, 13, 14
Mersch. Austin 643RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Mersch. Dallas RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Mersch. Denver RRSTS	9, 10, 11, 12, 13, 14
Mersch. Everest RR	28, 29, 30, 31, 32, 33
Mersch. Kennedy 538RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Mersch. Memphis 642RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Mersch. Olympus RR	28, 29, 30, 31, 32, 33
Mersch. Phoenix IIIR	2, 3, 4, 5, 6, 7

Variety Name	Table Numbers
Mersch. Richmond 649RR	28, 29, 30, 31, 32, 33
Mersch. Rocky RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Mersch. Rushmore 553RR	28, 29, 30, 31, 32, 33
Mersch. Washington IXRR	2, 3, 4, 5, 6, 7, 28, 29, 30, 31, 32, 33
MFA Morsoy RT 3105N	2, 3, 4, 5, 6, 7
MFA Morsoy RT 3304N	2, 3, 4, 5, 6, 7
MFA Morsoy RT 3644N	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MFA Morsoy RT 3665N	2, 3, 4, 5, 6, 7
MFA Morsoy RT 3804N	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MFA Morsoy RT 3805	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MFA Morsoy RT 3991N	9, 10, 11, 12, 13, 14
MFA Morsoy RT 4114N	9, 10, 11, 12, 13, 14
MFA Morsoy RT 4124N	2, 3, 4, 5, 6, 7
MFA Morsoy RT 4201N	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MFA Morsoy RT 4225N	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
MFA Morsoy RT 4345N	9, 10, 11, 12, 13, 14
MFA Morsoy RT 4480N	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
MFA Morsoy RT 4485N	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
MFA Morsoy RT 4683N	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
MFA Morsoy RT 4731N	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
MFA Morsoy RT 4845N	16, 17, 18, 19, 20, 21
MFA Morsoy RT 5043N	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
MFA Morsoy RT 5154N	16, 17, 18, 19, 20, 21
MFA Morsoy RTS 4824	16, 17, 18, 19, 20, 21
Midland MG 3816NRS	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Midland MG 3826NRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Midland MG 4406NRS	16, 17, 18, 19, 20, 21
Midland MG 4806NRS	16, 17, 18, 19, 20, 21
Midland MG 9A373NRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Midland MG 9A385NRS	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Midland MG 9A402NRR	9, 10, 11, 12, 13, 14
Midland MG 9A494XRR	16, 17, 18, 19, 20, 21
Midwest Seed Gen. GR3832	2, 3, 4, 5, 6, 7
Midwest Seed Gen. GR4154	9, 10, 11, 12, 13, 14
Midwest Seed Gen. GR4454	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
Midwest Seed Gen. GR4752	16, 17, 18, 19, 20, 21
MPride/MPV 3605nRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MPride/MPV 3803nRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MPride/MPV 3805nRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MPride/MPV 3903nRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
MPride/MPV 4404nRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
MPride/MPV 4506nRR	28, 29, 30, 31, 32, 33
MPride/MPV 4705nRR	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
MPride/MPV 4706nRR	28, 29, 30, 31, 32, 33
MPride/MPV 4905nRR	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
MPride/MPV 5206nRR	28, 29, 30, 31, 32, 33
MPride/MPV 5505nRR	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Morsoy RT 4665N	28, 29, 30, 31, 32, 33
Morsoy RT 4802N	28, 29, 30, 31, 32, 33
Morsoy RT 4914N	28, 29, 30, 31, 32, 33
Morsoy RT 4993N	28, 29, 30, 31, 32, 33
Morsoy RT 5553N	28, 29, 30, 31, 32, 33
Morsoy RT 5620N	28, 29, 30, 31, 32, 33
Morsoy RTS 4955N	28, 29, 30, 31, 32, 33
NC+ 3A84RR	9, 10, 11, 12, 13, 14
NC+ 3A92RR	9, 10, 11, 12, 13, 14
NC+ 4A14RR	9, 10, 11, 12, 13, 14
NK Brand S35-F9	28, 29, 30, 31, 32, 33
NK Brand S49-Q9	28, 29, 30, 31, 32, 33
NK Brand S52-U3	28, 29, 30, 31, 32, 33
NK Brand S56-D7	28, 29, 30, 31, 32, 33
NuTech NT-3101+ RR	2, 3, 4, 5, 6, 7
NuTech NT-3500 RR	2, 3, 4, 5, 6, 7

Variety Name	Table Numbers
NuTech NT-3515 RR/SCN	2, 3, 4, 5, 6, 7
NuTech NT-3636 RR/SCN	2, 3, 4, 5, 6, 7
NuTech NT-3636+ RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
NuTech NT-3666 RR/SCN	2, 3, 4, 5, 6, 7
NuTech NT-3666+ RR/SCN	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
NuTech NT-3737 RR/SCN	2, 3, 4, 5, 6, 7
NuTech NT-3737+RR/SCN	2, 3, 4, 5, 6, 7
NuTech NT-3777 RR	2, 3, 4, 5, 6, 7
NuTech NT-3777+ RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
NuTech NT-3839+ RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
NuTech NT-3909+ RR/SCN/ST	9, 10, 11, 12, 13, 14
NuTech NT-3999+ RR/SCN	2, 3, 4, 5, 6, 7
Pioneer 93M11	2, 3, 4, 5, 6, 7
Pioneer 93M50	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
Pioneer 93M90	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Pioneer 94B73	28, 29, 30, 31, 32, 33
Pioneer 94M30	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21
Pioneer 94M50	28, 29, 30, 31, 32, 33
Pioneer 94M70	28, 29, 30, 31, 32, 33
Pioneer 94M80	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Pioneer 94M90	28, 29, 30, 31, 32, 33
Pioneer 95M50	28, 29, 30, 31, 32, 33
Prairie Brand PB-3585NRR	2, 3, 4, 5, 6, 7
Prairie Brand PB-3785NRR	2, 3, 4, 5, 6, 7
Prairie Brand PB-3894NRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Prairie Brand PB-3905RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Prairie Brand PB-4023NRR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Prairie Brand PB-4394NRR	9, 10, 11, 12, 13, 14
Prairie Brand PB-4583NRR	9, 10, 11, 12, 13, 14
Progeny 3805RR	28, 29, 30, 31, 32, 33
Progeny 3900RR	28, 29, 30, 31, 32, 33
Progeny 3905RR	28, 29, 30, 31, 32, 33
Progeny 4205RR	28, 29, 30, 31, 32, 33
Progeny 4315RR	28, 29, 30, 31, 32, 33
Progeny 4401RR	28, 29, 30, 31, 32, 33
Progeny 4405RR	28, 29, 30, 31, 32, 33
Progeny 4604RR	28, 29, 30, 31, 32, 33
Progeny 4615RR	28, 29, 30, 31, 32, 33
Progeny 4804RR	28, 29, 30, 31, 32, 33
Progeny 4805RR	28, 29, 30, 31, 32, 33
Progeny 4910	34, 35, 36, 37, 38, 39
Progeny 4949RR	28, 29, 30, 31, 32, 33
Progeny 5105RR	28, 29, 30, 31, 32, 33
Progeny 5115RR	28, 29, 30, 31, 32, 33
Progeny 5205RR	28, 29, 30, 31, 32, 33
Progeny 5250RR	28, 29, 30, 31, 32, 33
Progeny 5605RR	28, 29, 30, 31, 32, 33
Progeny 5622RR	28, 29, 30, 31, 32, 33
Progeny 5660RR	28, 29, 30, 31, 32, 33
Renze R3726RR	2, 3, 4, 5, 6, 7
Renze R3814RR	2, 3, 4, 5, 6, 7
Renze R3835SRcn	2, 3, 4, 5, 6, 7
Renze R3996RRcn	2, 3, 4, 5, 6, 7
Renze R4486RRcn	2, 3, 4, 5, 6, 7
S00-9925-10	22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39
S00-99970-09	22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39
Schillinger 476.RC	28, 29, 30, 31, 32, 33
Schillinger 495.RC	28, 29, 30, 31, 32, 33
Southern Cross Abner	28, 29, 30, 31, 32, 33
Southern Cross Benjamin	34, 35, 36, 37, 38, 39
Southern Cross Levi	28, 29, 30, 31, 32, 33
Southern Cross Reuben	28, 29, 30, 31, 32, 33
Southern Cross Stephen	28, 29, 30, 31, 32, 33

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Stine 3532-4	2, 3, 4, 5, 6, 7
Stine 3600-4	2, 3, 4, 5, 6, 7
Stine 4102-4	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Stine 4532-4	9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Stine 4842-4	16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33
Stone HC 2385NRR	9, 10, 11, 12, 13, 14
Stone HC 2405NRR	16, 17, 18, 19, 20, 21
Taylor 353RR	2, 3, 4, 5, 6, 7
TN05 - 547RR	28, 29, 30, 31, 32, 33
Trisoy 4254RR(CN)	28, 29, 30, 31, 32, 33
Trisoy 4380(CN)	34, 35, 36, 37, 38, 39
Trisoy 4557RR(CN)	28, 29, 30, 31, 32, 33
Trisoy 4858RR(CN)	28, 29, 30, 31, 32, 33
UniSouth USG 5002T	34, 35, 36, 37, 38, 39
UniSouth USG 510nRR	28, 29, 30, 31, 32, 33
UniSouth USG 5601T	34, 35, 36, 37, 38, 39
UniSouth USG 7440nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7455nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7466nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7473nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7475RR	28, 29, 30, 31, 32, 33
UniSouth USG 7484nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7499nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7504nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7505nRR	28, 29, 30, 31, 32, 33
UniSouth USG 7515NRR	28, 29, 30, 31, 32, 33
UniSouth USG 7553nRS	28, 29, 30, 31, 32, 33
Vigoro V35N6RR	2, 3, 4, 5, 6, 7
Vigoro V38N5RS	2, 3, 4, 5, 6, 7
Vigoro V39N4RR	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14
Vigoro V40N3RR	2, 3, 4, 5, 6, 7
Vigoro V42N3RR	9, 10, 11, 12, 13, 14
Vigoro V44N6RR	9, 10, 11, 12, 13, 14, 28, 29, 30, 31, 32, 33
Vigoro V48N5RR	28, 29, 30, 31, 32, 33
Willcross RR2335N	2, 3, 4, 5, 6, 7
Willcross RR2355N	2, 3, 4, 5, 6, 7
Willcross RR2385NSTS	2, 3, 4, 5, 6, 7
Willcross RR2386	2, 3, 4, 5, 6, 7
Willcross RR2386NX2	2, 3, 4, 5, 6, 7
Willcross RR2432N	16, 17, 18, 19, 20, 21
Willcross RR2446N	16, 17, 18, 19, 20, 21
Willcross RR2484N	16, 17, 18, 19, 20, 21
Willcross RR2486N	16, 17, 18, 19, 20, 21
Willcross RR2525N	16, 17, 18, 19, 20, 21
Willcross RR2544NSTS	16, 17, 18, 19, 20, 21

Sources of Soybean Seed Entered in the 2005 Missouri Soybean Tests

Brand	Firm and Address	Phone Number
Armor	Armor Seed Co., 1 Pennsylvania, Waldenburg, AR 72475	870-579-2286
Asgrow	Monsanto Seed Co., 800 N. Lindbergh Blvd., St. Louis, MO 63167	815-754-4809
Bio Gene	Bio Gene Seeds 5477 Tri County Hwy, Sardinia, OH 45171	937-444-6422
Croplan Gen.	Land O'Lakes, P.O. Box 64281-MS, St. Paul, MN 55164	620-223-3803
Croplan Gen.	Croplan Genetics, 298 Taylor Road, Clinton, KY 42031	270-207-0190
Crow 's	Crow's Hybrid Corn CO., 14575 University Ave., Waukee, IA 50263	515-314-1003
Dekalb	Monsanto Seed Co., 800 N. Lindbergh Blvd., St. Louis, MO 63167	815-754-4809
Delta Grow	Delta Grow Seed Co., P.O. Box 219, 220 NW 2nd, England, AR 72046	501-842-2572
Delta King	Delta King Seed Co., 522 Poplar Ave., Box 970, McCrary, AR 72101	870-731-2992
Deltapine	Delta & Pine Land Co., 1301 E. 50th St. , Lubbock, TX 79404	806-740-1600
Dyna-Gro	UAP-MidSouth, 57 Germantown Crt., Suite 200, Cordova, TN 38018	318-372-3457
Dyna-Gro	UAP, 4900 S. 13th Street, Leavenworth, KS 66048	913-250-0200
Excel Brand	Excel Brand, 116 E. State St., Camp Point, IL 62320	800-593-7708
FFR	FFR Seed, 969 Cloverleaf Dr., Southaven, MS 38671	901-652-0903
Garst	Garst Seed Company, 2369 330th Street, Slater, IA 50244	515-685-5234
Gateway	Gateway Seed Co., 5517 Van Buren Rd., Nashville, IL 62263	618-327-8000
Golden Harvest	Golden Harvest Seeds, Inc., PO Box 248, Pekin, IL 61555	563-320-7461
Hornbeck	Hornbeck Seed Co. Inc., Box 472, 210 Drier Rd., DeWitt, AR 72042	870-946-2087
Kruger	Kruger Seed Co., Hwy 20 E, Box A, Dike, IA 50624	800-772-2721
Lewis	Lewis Hybrids, Inc., 530 W. Maple St., Ursa, IL 62376	217-964-2131
LG Seeds	LG Seeds, 22827 Shissler Rd, Elmwood, IL 61529	309-369-2872
Merschman	Merschman Seed Inc., 103 Ave. D., West Point, IA 52656	319-837-6111
MFA Morsoy	MFA Inc., 201 Ray Young Dr., Columbia, MO 65201	573-876-5363
Midland	Midland Genetics Group L.L.C., 1906 Kingman Rd., Ottawa, KS 66067	785-242-3598
Midwest	Midwest Seed Genetics, 14575 University AVE, Waukee, IA 50263	515-314-1003
MO Crop Improvement	Missouri Crop Improvement Association, 3211 Lemone Ind. BLVD., Columbia, MO 65201	573-449-0586
Morsoy	Cache River Valley Seed LLC., 12470 Hwy 226, PO Box 10, Cash, AR 72421	870-477-5427
MPride/MPV	Midwest Premium Genetics, 523 S. Main, Concordia, MO 64020	660-463-7333
NC+	NC+ Hybrids, 3820 N. 56th St. , Lincoln, NE 68504	620-694-7400

Brand	Firm and Address	Phone Number
NK Brand	Syngenta Seeds, 340 Southside Drive, Henderson, KY 42420	270-827-5787
NuTech Seed	NuTech Seed Co., 6131 North Fork RD, Ames, IA 50010	515-232-8236
Pioneer	Pioneer Hi-Bred Intl. Inc., 5700 Merle Hay Road, Johnston, IA 50131	515-253-5889
Pioneer	Pioneer Hi-Bred Intl. Inc., 7501 Memorial Pkwy SW, Suite 205, Huntsville, AL 35802	800-331-2475
Prairie Brand	Prairie Brand Seed Co., 15 X Ave., Story City, IA 50248	515-733-2101
Progeny	Progeny Ag Products, 1529 Hwy 193, Wynne, AR 72396	888-535-7333
Renze	Renze Hybrids Inc. 27410 Kittyhawk Ave., Carroll, IA 51401	712-669-3301
Schillinger Seed	Schillinger Seed Inc., 200 Bennetts Outlet Lane, Queenstown, MD 21658	410-827-9513
Southern Cross	Miles Seed P.O. Box 22874, Owensboro, KY 42304-2879	800-666-4537
Stine	Stine Seed Co., 2225 Laredo Trail, Adel, IA 50003	515-677-2605
Stone Seed Farm	Stone Seed Farms Inc., 5965 W. State Rt. 97, Pleasant Plains, IL 62677	217-546-8006
Taylor	Taylor Seed Farms Inc., 2467 Hwy 7, White Cloud, KS 66094	785-595-3236
Trisler Seed	Trisler Seed Farms, Inc. 3274 E 800 North Rd, Fairmount, IL 61841	217-288-9301
UniSouth	UniSouth Genetics Inc., 2640-C Nolensville Rd., Nashville, TN 37211	800-505-3133
Univ. of TN	Univ. of Tennessee, Dept. of Plant Sciences, 2431 Joe Johnson Drive, Knoxville, TN 37996-4561	865-974-8801
Vigoro	Royster-Clark Inc. 717 Robinson Road SE, Washington C.H., OH 43160	740-869-2181
Willcross	Neco Seed Farms, Inc., P.O. Box 560, Garden City, MO 64747	816-862-8203
Willcross	Willcross Seed, King City Seed, 4564 U.S. Hwy 169, King City, MO 64463	660-535-4444