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Missouri 2009 Soybean Performance Tests

This report is a contribution of the Division of Plant Sciences, 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 414 in 2009. 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 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 following a row across the table, 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 that 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 that 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 Resistant / Special Traits Soybean Test:** This test is a combination of the Non-Glyphosate Resistant Soybean Test and the Special Traits Soybean Test. Examples of soybean lines with special traits include food grade, high oil, fatty acid profile, Liberty Link 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 2009 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 test plots 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 Resistant / 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 and this information is provided in the tables. 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 plant height, lodging, grain yield and grain moisture are given for each entry and location. Yield is measured in bushels (60 pounds) per acre at a moisture content of 13.0%. An electronic moisture tester is used for all moisture readings.

All soybean locations were tested for the presence of SCN eggs in the soil before 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 2009 crop performance tests are also available online at <http://varietytesting.missouri.edu>. 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 three replications and randomized complete block with four 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 rows of each plot were harvested 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 20 test sites in 19 counties throughout 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. Greenley Memorial Center, Novelty (Knox Co.)
5. Roger Tiemann farm, LaGrange (Lewis Co.)

Central Missouri

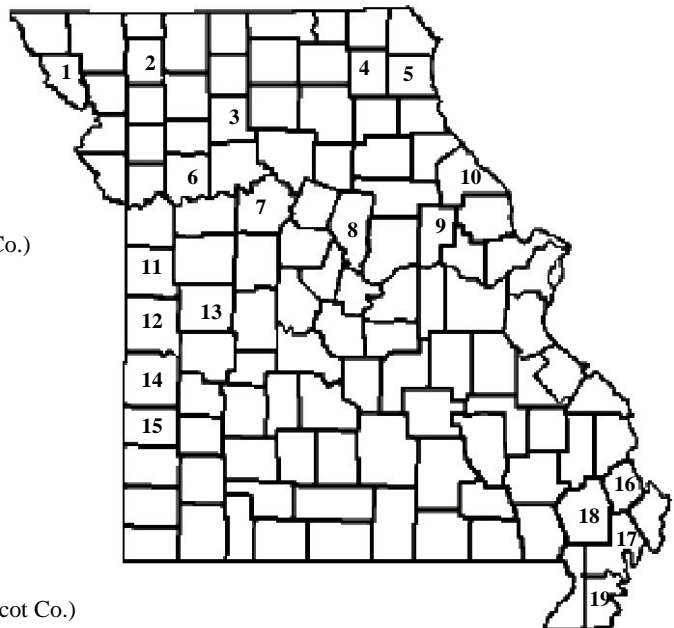
6. John Williams farm, Henrietta (Ray Co.)
7. Ryland and Fred Utlaut farm, Grand Pass (Saline Co.)
8. Bradford Research and Extension Center, Columbia (Boone Co.)
9. Roy Cope farm, Truxton (Montgomery Co.)
10. Bob Burkemper farm, Annada (Pike Co.)

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. Martin Eftink farm, Chaffee (Scott Co.)
17. Tom Jennings farm, Morehouse (New Madrid Co.)
18. Scott Morgan farm, Dexter (Stoddard Co.)
19. Delta Research Center (Loam and Clay), Portageville (Pemiscot Co.)



North Region Crop Management Summary

There are five locations in the North Region for Glyphosate Resistant and Non-Glyphosate Resistant / Special Traits Soybean Tests this year. 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 slightly between locations but tend to reflect those followed by farmers in the area.

The Craig site was replanted June 26 after heavy rains fell and the field crusted over, severely limiting emergence. Temperatures dropped down into the 20s several times in October stopping vegetative growth on the late varieties. This may have negatively affected yields of those lines. Soybean yields overall at the five locations were good this year, averaging 54 bushels per acre, even though planting was delayed until June for four of the sites.

Climatological information for the growing season (May 1 – September 30) for the North Region is summarized below and cultural practices for each site are listed in Table 1.

Average temperature = 68.7 degrees, 0.9 degrees below normal
 Average precipitation = 25.8", 4.5" above 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
<i>Glyphosate Resistant Soybean Tests</i>								
Craig	06-25	11-11,12	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
Albany	06-26	11-10,11	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax
Mooreville	05-12	10-05,19	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
Novelty	06-01	11-04	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
LaGrange	06-19	11-05,06	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax,
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Craig	06-25	11-12	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority	
Albany	06-26	11-11	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority	Select, Ultra Blazer
Mooreville	05-12	10-19	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
Novelty	06-01	11-04	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
LaGrange	06-19	11-06	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Select, Ultra Blazer, Basagran

TABLE 2. Glyphosate Resistant Soybean Test

North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silt Clay Soil Test: pH=7.4, OM=1.5%, P=26, K=442

Cyst Nematode Population at Planting: 11378 Eggs/100cc of Soil

Rainfall: May=3.3, June=10.6, July=5.1, Aug.=4.3, Sept.=1.2 Total= 24.5

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
-----bu/acre-----							
MATURITY GROUP 3							
Willcross 2360NExp	1	3.6	47	1	63.9**	--	--
NK S35-T9 Brand	6	3.5	39	1	63.1*	45.5	54.3
Lewis 360R2	1	3.6	40	1	62.6*	--	--
Kruger K2-3601	1	3.5	44	1	61.6*	--	--
Asgrow AG3039	1	3.0	32	1	61.5*	--	--
Asgrow AG3402	6	3.4	35	1	61.3*	43.6	52.5
Taylor Exp371-2R	1	3.7	42	1	61.1*	--	--
FS HiSoy HS36A90	6	3.6	45	1	61.1*	--	--
Prairie Br. PB-3739NRR2	1	3.7	43	1	60.1	--	--
G2 Genetics 7389	7	3.8	38	1	59.9	--	--
Asgrow AG3130	1	3.1	35	1	59.9	--	--
Power Plus 32K0	6	3.2	36	1	59.8	--	--
Morsoy RT 3609N	1	3.6	37	1	59.7	--	--
Pioneer 93Y70	6	3.7	36	1	59.3	50.8*	55.1
Asgrow AG3139	1	3.1	37	1	59.3	--	--
Midland 3740NR2	10	3.7	37	1	59.1	--	--
Prairie Br. PB-3796NRR	11	3.7	33	1	58.9	47.2	53.1
G2 Genetics 7341	7	3.4	34	1	58.8	51.0*	54.9
Morsoy RT 3328N	1	3.3	41	1	58.7	--	--
Morsoy RT 3887N	6	3.8	33	1	58.4	45.1	51.8
Stone 2346NRR	6	3.4	28	1	58.4	44.2	51.3
Pioneer 93M61	6	3.6	38	1	58.2	45.7	52.0
NK S34-R2 Brand	6	3.4	35	1	58.1	43.8	51.0
Dyna-Gro Exp 3.6	6	3.6	43	1	58.0	--	--
NuTech 7399	6	3.9	37	1	57.9	47.3	52.6
Willcross 2330NExp	1	3.4	37	1	57.8	--	--
FS HiSoy HS41T80	6	3.9	35	1	57.7	--	--
Power Plus 34B9	6	3.4	42	1	57.5	--	--
Midland 3610NRR	10	3.6	34	1	57.4	--	--
Asgrow RY3709	1	3.7	35	1	57.1	--	--
Asgrow AG3430	1	3.4	35	1	57.1	--	--
Mycogen 5N370RR	4	3.7	38	1	57.0	--	--
Dyna-Gro 32X39	6	3.9	35	1	57.0	47.9	52.5
Asgrow RY3309	1	3.3	35	1	56.9	--	--
Lewis 380R2	1	3.8	34	1	56.7	--	--
NK S37-F7 Brand	6	3.7	39	1	56.6	45.8	51.2
Hubner H35-01R2	8,10	3.5	34	1	56.4	--	--
NuTech 7379	6	3.7	35	1	56.2	--	--
Power Plus 36C0	6	3.6	32	1	56.2	--	--
G2 Genetics 7373	7	3.7	37	1	56.1	--	--
Morsoy RT 3889N	1	3.8	35	1	56.0	--	--
Pioneer 93M42	6	3.4	36	1	56.0	--	--
Midland 3630R2	10	3.6	33	1	55.9	--	--
FS HiSoy HS38A92	6	3.8	32	1	55.8	--	--
Asgrow RY3509	1	3.5	31	1	55.7	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Morsoy RT 3807N	6	3.8	35	1	55.7	48.5	52.1
FS HiSoy HS39R70	6	3.9	35	1	55.7	--	--
Hubner H366NRR	8,10	3.6	32	1	55.7	--	--
Renze R3797RRcn	6	3.7	37	1	55.5	--	--
Kruger K2-3401	1	3.4	33	1	55.4	--	--
Kruger K2-3901	1	3.9	41	1	55.4	--	--
Kruger K2-3801	1	3.8	36	1	55.3	--	--
Willcross 2380NExp	1	3.8	34	1	55.2	--	--
FS HiSoy HS38R80	6	3.8	36	1	55.0	--	--
Stone 3A388NRR	6	3.8	35	1	54.9	--	--
NuTech 7386	6	3.8	34	1	54.8	47.7	51.3
NuTech 7349	6	3.4	37	1	54.7	--	--
Stone 3A378NRR	6	3.7	36	1	54.6	--	--
Taylor Exp381-2R	1	3.8	37	1	54.5	--	--
NuTech 7369S	6	3.6	40	1	54.1	--	--
NK S39-A3 Brand	6	3.9	35	1	54.0	50.7*	52.4
Midland 3960NR2	10	3.9	33	1	53.9	--	--
Fontanelle 78N18	None	3.6	35	1	53.8	--	--
Midland 3850NR2	10	3.8	40	1	53.8	--	--
MPG 3609nRR	11	3.7	35	1	53.7	49.3*	51.5
Morsoy RT 3858N	6	3.8	33	1	53.7	46.8	50.3
Kruger K-384RR/SCN	6	3.8	35	1	53.6	45.9	49.8
Willcross 2320N	8,11	3.2	30	1	53.3	--	--
NK S37-P5 Brand	6	3.7	36	1	53.2	49.4*	51.3
Mycogen 5N392RR	4	3.9	36	1	53.1	--	--
Asgrow AG3539	1	3.5	38	1	53.0	--	--
Prairie Br. PB-3997NRR	2,10	3.9	38	1	52.8	53.4**	53.1
Kruger K-375RR/SCN	6	3.8	30	1	52.6	--	--
Mycogen 5N383RR	4	3.8	34	1	52.4	--	--
MPG 3510nRR	11	3.5	33	1	52.4	--	--
G2 Genetics 7333	7	3.3	39	1	52.3	45.1	48.7
Midland 3920NRS	10	3.9	36	1	52.2	--	--
Stine 3923-4	None	3.9	32	1	52.2	--	--
Fontanelle 9789NRR	None	3.7	37	1	52.0	47.1	49.6
Asgrow RY3209	1	3.2	35	1	52.0	--	--
Morsoy RT 3629N	6	3.6	36	1	51.7	--	--
FS HiSoy HS38A90	6	3.8	32	1	51.3	--	--
Dyna-Gro 37P37	6	3.7	32	1	51.2	--	--
Willcross 2399N	8,11	3.8	33	1	51.1	--	--
Willcross 2350N	8,11	3.5	34	1	51.0	--	--
Willcross 2379N	8,11	3.7	35	1	51.0	--	--
G2 Genetics 6369	7	3.6	32	1	50.9	--	--
Asgrow AG3803	6	3.8	36	1	50.7	45.5	48.1
NuTech 3909 SRN	6	3.9	34	1	50.0	42.1	46.1
Channel 3916R Brand	4	3.9	31	1	49.7	47.7	48.7
Lewis 3780	11	3.7	30	1	49.5	--	--
Mycogen 5N382RR	4	3.8	30	1	46.3	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
GROUP 3 AVERAGE			36	1	55.7	45.0	50.4
L.S.D. AT .10					3.6	4.5	
C.V. %					4.5	6.9	
MATURITY GROUP 4							
NuTech 7417	6	4.1	36	1	59.2**	43.5	51.4
Kruger K2X43B9	1	4.3	42	2	57.9*	--	--
G2 Genetics 7419	7	4.1	38	1	57.6*	--	--
Pioneer 94Y01	6	4.0	36	1	55.7	37.6	46.7
Kruger K-428RR/SCN	6	4.2	33	1	55.4	36.4	45.9
G2 Genetics 7479	7	4.7	40	2	55.4	--	--
MPG X-49-1nRR	11	4.2	35	1	54.7	--	--
Prairie Br. PB-4058NRRSTS	11	4.0	35	1	54.1	40.2	47.2
MPG 4209nRR/STS	11	4.2	36	1	53.5	43.8**	48.7
Lewis 3968	11	4.0	35	1	53.2	49.4*	51.3
Renze R4230SRcn	6	4.2	35	1	53.1	--	--
Kruger K-439RR/SCN	6	4.3	35	1	52.9	37.2	45.1
Prairie Br. PB-4199NRR2	1	4.1	35	1	52.8	--	--
Channel 4119R Brand	4	4.1	35	1	52.8	39.9	46.4
Fontanelle 80N29	None	4.0	35	1	52.6	--	--
NuTech 7425S	6	4.2	33	1	52.6	--	--
G2 Genetics 7439S	7	4.3	34	1	52.2	--	--
Morsoy RT 4249N	1	4.2	36	1	52.1	--	--
Kruger K2X43A9	1	4.3	43	1	52.1	--	--
Morsoy RT 4126N	6	4.1	35	1	51.9	--	--
Kruger K2X41A9	1	4.1	37	1	51.8	--	--
Midland 4157NRS	10	4.1	35	1	51.4	41.9	46.7
MPG 4310nRR/STS	11	4.3	31	1	50.9	--	--
Channel 4A15RS Brand	4	4.1	34	1	50.9	40.6	45.8
Kruger K2X45A9	1	4.5	36	1	50.6	--	--
G2 Genetics 7401	7	4.0	43	1	50.5	37.9	44.2
NuTech 4242RN	6	4.2	35	1	50.3	42.5	46.4
Kruger K2X43C9	1	4.3	40	1	50.0	--	--
Midland 4289NRS	10	4.2	35	1	49.5	--	--
Kruger K2X44A9	1	4.4	36	1	49.0	--	--
Stine 4282-4	None	4.2	31	1	47.4	--	--
Renze R4038SRcn	6	4.0	35	1	47.4	--	--
Stine 4392-4	None	4.3	32	1	44.3	--	--
GROUP 4 AVERAGE			36	1	52.3	38.8	45.6
L.S.D. AT .10					3.3	NS	
C.V. %					4.4	10.4	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 3. Glyphosate Resistant Soybean Test

North Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=5.6, OM=2.3%, P=44, K=264

Cyst Nematode Population at Planting: 466 Eggs/100cc of Soil

Rainfall: May=6.0, June=7.4, July=2.7, Aug.=5.8, Sept.=0.5 Total=22.4

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Asgrow AG3130	1	3.1	31	1	56.8**	--	--
Asgrow AG3139	1	3.1	38	1	55.8*	--	--
Midland 3630R2	10	3.6	34	1	54.5*	--	--
Power Plus 34B9	6	3.4	35	1	54.4*	--	--
Asgrow AG3039	1	3.0	31	1	54.3*	--	--
G2 Genetics 7389	7	3.8	33	1	54.1*	--	--
Asgrow RY3309	1	3.3	32	1	54.0*	--	--
Power Plus 32K0	6	3.2	31	1	53.6	--	--
Asgrow RY3209	1	3.2	31	1	53.6	--	--
Asgrow AG3430	1	3.4	33	1	53.3	--	--
Taylor Exp371-2R	1	3.7	40	2	52.7	--	--
Hubner H35-01R2	8,10	3.5	31	1	52.7	--	--
Prairie Br. PB-3739NRR2	1	3.7	40	1	52.6	--	--
Asgrow RY3509	1	3.5	30	1	52.5	--	--
NK S35-T9 Brand	6	3.5	34	1	52.5	44.0	48.3
Willcross 2320N	8,11	3.2	30	1	52.4	--	--
Asgrow RY3709	1	3.7	35	1	52.4	--	--
MPG 3510nRR	11	3.5	32	2	52.3	--	--
G2 Genetics 7341	7	3.4	33	1	52.2	46.4*	49.3
Morsoy RT 3328N	1	3.3	38	1	52.0	--	--
NK S34-R2 Brand	6	3.4	30	1	52.0	45.9*	49.0
Midland 3610NRR	10	3.6	33	1	51.8	--	--
G2 Genetics 7333	7	3.3	33	1	51.8	46.5*	49.2
Asgrow AG3539	1	3.5	33	1	51.7	--	--
Dyna-Gro Exp 3.6	6	3.6	37	1	51.6	--	--
Lewis 360R2	1	3.6	38	2	51.4	--	--
FS HiSoy HS36A90	6	3.6	39	1	51.3	--	--
G2 Genetics 7373	7	3.7	34	1	51.0	--	--
Pioneer 93Y70	6	3.7	34	1	50.9	46.1*	48.5
Dyna-Gro 32X39	6	3.9	34	1	50.7	42.1	46.4
Kruger K2-3401	1	3.4	34	1	50.6	--	--
G2 Genetics 6369	7	3.6	28	1	50.1	--	--
Pioneer 93M61	6	3.6	32	1	50.1	41.3	45.7
NuTech 7369S	6	3.6	34	2	50.0	--	--
Kruger K2-3601	1	3.5	41	2	50.0	--	--
Morsoy RT 3807N	6	3.8	34	1	50.0	44.1	47.1
Mycogen 5N370RR	4	3.7	33	1	49.9	--	--
NK S37-F7 Brand	6	3.7	32	1	49.8	41.9	45.9
Midland 3740NR2	10	3.7	36	1	49.8	--	--
Willcross 2360NExp	1	3.6	40	1	49.7	--	--
Willcross 2330NExp	1	3.4	33	1	49.4	--	--
NuTech 7349	6	3.4	31	1	48.9	--	--
Asgrow AG3402	6	3.4	34	1	48.9	39.4	44.2
Morsoy RT 3609N	1	3.6	37	1	48.9	--	--
Pioneer 93M42	6	3.4	35	1	48.8	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Stone 3A388NRR	6	3.8	31	1	48.7	--	--
NuTech 7399	6	3.9	31	1	48.7	45.7*	47.2
NK S39-A3 Brand	6	3.9	35	1	48.5	47.2*	47.9
Morsoy RT 3629N	6	3.6	30	1	48.5	--	--
Midland 3960NR2	10	3.9	32	1	48.4	--	--
Fontanelle 9789NRR	None	3.7	33	1	48.4	42.3	45.4
Renze R3797RRcn	6	3.7	34	1	48.4	--	--
Stone 3A378NRR	6	3.7	35	1	48.2	--	--
Power Plus 36C0	6	3.6	29	1	48.0	--	--
FS HiSoy HS38R80	6	3.8	34	1	47.9	--	--
Prairie Br. PB-3796NRR	11	3.7	30	1	47.8	43.6	45.7
Hubner H366NRR	8,10	3.6	25	1	47.8	--	--
Kruger K-384RR/SCN	6	3.8	35	1	47.5	42.3	44.9
Morsoy RT 3887N	6	3.8	32	1	47.5	44.3	45.9
Asgrow AG3803	6	3.8	34	1	47.5	41.7	44.6
FS HiSoy HS41T80	6	3.9	31	1	47.4	--	--
Stine 3923-4	None	3.9	31	1	47.4	--	--
NK S37-P5 Brand	6	3.7	33	1	47.4	48.9**	48.2
Willcross 2350N	8,11	3.5	31	1	47.4	--	--
FS HiSoy HS39R70	6	3.9	32	1	47.1	--	--
Stone 2346NRR	6	3.4	30	1	47.0	38.9	43.0
Dyna-Gro 37P37	6	3.7	31	1	46.9	--	--
Willcross 2380NExp	1	3.8	33	1	46.7	--	--
Taylor Exp381-2R	1	3.8	36	1	46.5	--	--
Willcross 2399N	8,11	3.8	27	1	46.1	--	--
Mycogen 5N392RR	4	3.9	34	2	46.1	--	--
Midland 3850NR2	10	3.8	32	1	45.5	--	--
Willcross 2379N	8,11	3.7	32	1	45.5	--	--
Kruger K2-3801	1	3.8	33	1	45.4	--	--
FS HiSoy HS38A92	6	3.8	30	1	45.4	--	--
NuTech 7386	6	3.8	32	1	45.3	47.4*	46.4
MPG 3609nRR	11	3.7	32	1	45.3	46.4*	45.9
Prairie Br. PB-3997NRR	2,10	3.9	30	1	45.0	43.7	44.4
Midland 3920NRS	10	3.9	30	1	44.8	--	--
NuTech 7379	6	3.7	30	1	44.3	--	--
Lewis 380R2	1	3.8	34	1	44.0	--	--
Mycogen 5N383RR	4	3.8	30	1	43.9	--	--
FS HiSoy HS38A90	6	3.8	29	1	43.8	--	--
Morsoy RT 3889N	1	3.8	35	2	43.8	--	--
Kruger K2-3901	1	3.9	37	1	43.7	--	--
Fontanelle 78N18	None	3.6	32	1	43.0	--	--
Kruger K-375RR/SCN	6	3.8	30	1	43.0	--	--
Channel 3916R Brand	4	3.9	29	1	42.8	44.4	43.6
NuTech 3909 SRN	6	3.9	30	1	42.6	43.0	42.8
Lewis 3780	11	3.7	33	1	42.2	--	--
Morsoy RT 3858N	6	3.8	26	1	41.9	46.7*	44.3
Mycogen 5N382RR	4	3.8	31	1	39.6	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
GROUP 3 AVERAGE			33	1	48.8	42.2	45.5
L.S.D. AT .10					3.0	4.4	
C.V. %					4.4	7.4	
MATURITY GROUP 4							
Kruger K2X41A9	1	4.1	40	1	53.1**	--	--
G2 Genetics 7419	7	4.1	41	1	50.5*	--	--
Kruger K2X45A9	1	4.5	37	1	50.1	--	--
Prairie Br. PB-4199NRR2	1	4.1	35	1	49.5	--	--
G2 Genetics 7439S	7	4.3	35	1	48.5	--	--
Pioneer 94Y01	6	4.0	37	2	47.9	45.8*	46.9
Prairie Br. PB-4058NRRSTS	11	4.0	32	1	47.5	45.9*	46.7
MPG 4310nRR/STS	11	4.3	35	1	47.3	--	--
Lewis 3968	11	4.0	35	1	47.3	41.2	44.3
Kruger K2X43B9	1	4.3	39	1	47.0	--	--
NuTech 7425S	6	4.2	33	1	46.8	--	--
NuTech 7417	6	4.1	35	2	46.4	47.1*	46.8
Morsoy RT 4249N	1	4.2	37	1	46.4	--	--
Morsoy RT 4126N	6	4.1	31	1	46.3	--	--
Kruger K-428RR/SCN	6	4.2	35	1	46.2	39.7	43.0
Kruger K2X43C9	1	4.3	36	1	46.1	--	--
MPG X-49-1nRR	11	4.2	33	1	45.9	--	--
Kruger K-439RR/SCN	6	4.3	31	1	45.9	36.9	41.4
Channel 4A15RS Brand	4	4.1	36	1	45.9	43.9	44.9
MPG 4209nRR/STS	11	4.2	32	1	45.6	45.6*	45.6
G2 Genetics 7479	7	4.7	37	2	45.5	--	--
Kruger K2X44A9	1	4.4	36	2	45.3	--	--
Stine 4282-4	None	4.2	30	1	44.6	--	--
Channel 4119R Brand	4	4.1	35	1	44.5	42.1	43.3
Renze R4230SRcn	6	4.2	35	1	44.4	--	--
Stine 4392-4	None	4.3	32	1	44.1	--	--
Fontanelle 80N29	None	4.0	36	1	43.3	--	--
G2 Genetics 7401	7	4.0	41	1	43.3	43.6	43.5
Renze R4038SRcn	6	4.0	34	1	42.2	--	--
Midland 4289NRS	10	4.2	30	1	41.4	--	--
NuTech 4242RN	6	4.2	34	1	41.3	44.9*	43.1
Kruger K2X43A9	1	4.3	45	2	41.0	--	--
Midland 4157NRS	10	4.1	35	2	40.7	41.5	41.1
GROUP 4 AVERAGE			35	1	45.8	42.8	44.3
L.S.D. AT .10					2.6	3.6	
C.V. %					4.0	5.7	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 4. Glyphosate Resistant Soybean Test

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.8, OM=2.3%, P=24, K=116

Cyst Nematode Population at Planting: 2327 Eggs/100cc of Soil

Rainfall: May=4.0, June=7.4, July=3.7, Aug.=13.7, Sept.=0.9 Total=29.7

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
MATURITY GROUP 3							
Morsoy RT 3807N	6	3.8	38	1	70.9**	44.9	57.9
Fontanelle 78N18	None	3.6	41	1	70.0*	--	--
Kruger K-384RR/SCN	6	3.8	41	1	69.0*	50.2*	59.6
Morsoy RT 3889N	1	3.8	44	1	68.3*	--	--
FS HiSoy HS38A90	6	3.8	43	1	66.9*	--	--
Midland 3850NR2	10	3.8	41	1	66.8*	--	--
Dyna-Gro 37P37	6	3.7	40	1	66.6*	--	--
Channel 3916R Brand	4	3.9	40	1	66.4*	47.4*	56.9
Kruger K2-3901	1	3.9	43	1	66.2*	--	--
Stone 3A378NRR	6	3.7	38	1	66.0*	--	--
Fontanelle 9789NRR	None	3.7	39	1	65.8*	45.9	55.9
Morsoy RT 3887N	6	3.8	38	1	65.4*	52.3*	58.9
NuTech 7399	6	3.9	38	1	65.3*	51.5*	58.4
G2 Genetics 7373	7	3.7	37	1	64.8*	--	--
NuTech 7379	6	3.7	39	1	64.5*	--	--
Willcross 2399N	8,11	3.8	38	1	64.3*	--	--
Stine 3923-4	None	3.9	36	1	64.2*	--	--
NK S39-A3 Brand	6	3.9	42	2	64.0*	52.5*	58.3
NK S37-F7 Brand	6	3.7	35	1	64.0*	52.3*	58.2
Asgrow AG3402	6	3.4	44	1	63.9*	49.6*	56.8
Asgrow RY3309	1	3.3	39	1	63.7*	--	--
Asgrow AG3430	1	3.4	37	1	63.6*	--	--
Stone 3A388NRR	6	3.8	39	1	63.6*	--	--
Mycogen 5N392RR	4	3.9	40	1	63.5*	--	--
Asgrow AG3539	1	3.5	39	1	63.4*	--	--
Asgrow RY3709	1	3.7	42	1	63.3*	--	--
NK S35-T9 Brand	6	3.5	38	1	63.1	49.9*	56.5
Lewis 380R2	1	3.8	43	1	63.1	--	--
MPG 3510nRR	11	3.5	38	2	62.9	--	--
MPG 3609nRR	11	3.7	36	1	62.9	46.6	54.8
FS HiSoy HS36A90	6	3.6	41	1	62.8	--	--
Morsoy RT 3629N	6	3.6	35	2	62.5	--	--
Willcross 2350N	8,11	3.5	40	2	62.5	--	--
NuTech 7349	6	3.4	39	1	62.5	--	--
Dyna-Gro 32X39	6	3.9	36	1	62.4	51.2*	56.8
Stone 2346NRR	6	3.4	40	1	62.4	49.5*	56.0
Asgrow AG3803	6	3.8	41	1	62.3	47.9*	55.1
Midland 3630R2	10	3.6	40	1	62.0	--	--
Lewis 360R2	1	3.6	39	1	61.9	--	--
Kruger K2-3801	1	3.8	37	1	61.8	--	--
Midland 3920NRS	10	3.9	38	1	61.8	--	--
G2 Genetics 7341	7	3.4	42	1	61.7	47.3*	54.5
Asgrow RY3209	1	3.2	36	1	61.6	--	--
NK S37-P5 Brand	6	3.7	40	1	61.5	51.7*	56.6
Midland 3740NR2	10	3.7	46	1	61.5	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Hubner H35-01R2	8,10	3.5	37	1	61.3	--	--
Power Plus 34B9	6	3.4	41	1	61.2	--	--
Taylor Exp381-2R	1	3.8	43	1	60.9	--	--
Willcross 2360NExp	1	3.6	44	1	60.9	--	--
Prairie Br. PB-3739NRR2	1	3.7	40	1	60.9	--	--
Morsoy RT 3609N	1	3.6	43	1	60.7	--	--
FS HiSoy HS38R80	6	3.8	40	1	60.6	--	--
FS HiSoy HS38A92	6	3.8	34	1	60.4	--	--
Prairie Br. PB-3997NRR	2,10	3.9	40	1	60.4	47.3*	53.9
Mycogen 5N382RR	4	3.8	39	1	60.3	--	--
FS HiSoy HS39R70	6	3.9	40	1	60.3	--	--
Hubner H366NRR	8,10	3.6	38	1	60.2	--	--
Midland 3960NR2	10	3.9	35	1	60.2	--	--
Asgrow AG3130	1	3.1	38	2	60.1	--	--
Midland 3610NRR	10	3.6	38	2	59.9	--	--
NK S34-R2 Brand	6	3.4	36	1	59.8	45.5	52.7
Willcross 2380NExp	1	3.8	41	1	59.7	--	--
Mycogen 5N383RR	4	3.8	38	1	59.6	--	--
Morsoy RT 3858N	6	3.8	36	1	59.2	48.1*	53.7
Pioneer 93M42	6	3.4	41	1	59.1	--	--
Lewis 3780	11	3.7	35	1	58.9	--	--
Power Plus 32K0	6	3.2	41	1	58.9	--	--
NuTech 7386	6	3.8	38	1	58.6	48.0*	53.3
Asgrow AG3039	1	3.0	37	1	58.5	--	--
FS HiSoy HS41T80	6	3.9	41	1	58.5	--	--
Taylor Exp371-2R	1	3.7	42	1	58.2	--	--
Asgrow AG3139	1	3.1	38	1	57.8	--	--
Morsoy RT 3328N	1	3.3	41	1	57.5	--	--
G2 Genetics 7333	7	3.3	42	1	57.4	48.6*	53.0
Pioneer 93Y70	6	3.7	40	1	57.2	44.0	50.6
Willcross 2379N	8,11	3.7	37	1	57.2	--	--
Kruger K2-3401	1	3.4	36	1	56.2	--	--
G2 Genetics 6369	7	3.6	36	1	56.0	--	--
Willcross 2330NExp	1	3.4	38	2	56.0	--	--
Kruger K2-3601	1	3.5	44	1	55.8	--	--
NuTech 3909 SRN	6	3.9	42	1	55.7	49.3*	52.5
NuTech 7369S	6	3.6	39	1	55.7	--	--
Kruger K-375RR/SCN	6	3.8	35	1	55.5	--	--
Dyna-Gro Exp 3.6	6	3.6	43	1	55.1	--	--
Asgrow RY3509	1	3.5	37	1	55.0	--	--
Prairie Br. PB-3796NRR	11	3.7	37	1	54.8	44.9	49.9
G2 Genetics 7389	7	3.8	43	1	54.8	--	--
Power Plus 36C0	6	3.6	37	1	54.6	--	--
Pioneer 93M61	6	3.6	35	1	54.4	51.1*	52.8
Willcross 2320N	8,11	3.2	37	1	53.9	--	--
Mycogen 5N370RR	4	3.7	39	1	52.6	--	--
Renze R3797RRcn	6	3.7	39	1	51.4	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
GROUP 3 AVERAGE			39	1	61.0	46.0	53.5
L.S.D. AT .10					7.8	6.8	
C.V. %					8.9	11.0	
MATURITY GROUP 4							
Kruger K2X44A9	1	4.4	43	1	66.1**	--	--
G2 Genetics 7401	7	4.0	44	1	63.4*	52.0*	57.7
NuTech 4242RN	6	4.2	38	1	62.5*	53.7*	58.1
Kruger K-439RR/SCN	6	4.3	36	1	62.3*	42.7	52.5
Kruger K-428RR/SCN	6	4.2	43	1	61.1*	43.6	52.4
Kruger K2X43C9	1	4.3	41	1	61.0*	--	--
Kruger K2X43A9	1	4.3	46	1	60.8*	--	--
Morsoy RT 4126N	6	4.1	41	1	60.4*	--	--
Fontanelle 80N29	None	4.0	42	1	60.3*	--	--
NuTech 7425S	6	4.2	40	1	59.6*	--	--
G2 Genetics 7479	7	4.7	42	2	59.4*	--	--
Kruger K2X45A9	1	4.5	42	1	59.2*	--	--
G2 Genetics 7419	7	4.1	44	2	58.7	--	--
Kruger K2X43B9	1	4.3	43	1	57.7	--	--
Stine 4282-4	None	4.2	37	1	57.0	--	--
Lewis 3968	11	4.0	36	1	56.9	48.2*	52.6
MPG 4310nRR/STS	11	4.3	38	1	56.6	--	--
Midland 4289NRS	10	4.2	38	1	56.5	--	--
Channel 4A15RS Brand	4	4.1	40	1	56.3	49.2*	52.8
G2 Genetics 7439S	7	4.3	38	1	55.9	--	--
Pioneer 94Y01	6	4.0	42	1	55.8	53.4*	54.6
NuTech 7417	6	4.1	38	1	55.3	54.2*	54.8
Channel 4119R Brand	4	4.1	42	1	54.9	49.6*	52.3
Renze R4038SRcn	6	4.0	39	1	54.2	--	--
Kruger K2X41A9	1	4.1	41	1	53.9	--	--
Stine 4392-4	None	4.3	38	1	52.5	--	--
Prairie Br. PB-4058NRRSTS	11	4.0	42	1	52.4	51.4*	51.9
Renze R4230SRcn	6	4.2	40	1	52.3	--	--
MPG X-49-1nRR	11	4.2	41	1	52.2	--	--
MPG 4209nRR/STS	11	4.2	38	1	52.1	49.9*	51.0
Morsoy RT 4249N	1	4.2	41	1	51.7	--	--
Prairie Br. PB-4199NRR2	1	4.1	39	1	50.7	--	--
Midland 4157NRS	10	4.1	38	1	48.9	50.8*	49.9
GROUP 4 AVERAGE			40	1	56.9	49.8	53.4
L.S.D. AT .10					6.9	6.3	
C.V. %					8.0	9.4	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 5. Glyphosate Resistant Soybean Test

North Region: Novelty, MO (Knox County)

Soil Type: Putnam Silt Loam Soil Test: pH=6.4, OM=1.8, P=36, K=216

Cyst Nematode Population at Planting: 4652 Eggs/100cc of Soil

Rainfall: May=6.7, June=5.7, July=4.2, Aug.=6.6, Sept.=3.4 Total=26.6

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2006	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Pioneer 93Y70	6	3.7	36	1	66.2**	--	--
Morsoy RT 3629N	6	3.6	35	1	66.1*	--	--
NK S37-F7 Brand	6	3.7	35	1	65.2*	--	--
Morsoy RT 3807N	6	3.8	38	1	65.0*	--	--
G2 Genetics 7389	7	3.8	36	1	64.3*	--	--
NK S35-T9 Brand	6	3.5	41	1	63.7*	--	--
NK S37-P5 Brand	6	3.7	36	1	63.6*	--	--
NK S39-A3 Brand	6	3.9	40	1	63.2*	--	--
Stine 3923-4	None	3.9	32	1	62.9*	--	--
Kruger K2-3901	1	3.9	41	1	62.8*	--	--
Midland 3610NRR	10	3.6	34	1	62.8*	--	--
Hubner H35-01R2	8,10	3.5	35	1	62.6*	--	--
Willcross 2350N	8,11	3.5	34	1	62.5*	--	--
NuTech 7349	6	3.4	36	1	62.5*	--	--
Lewis 360R2	1	3.6	43	1	62.1*	--	--
Prairie Br. PB-3739NRR2	1	3.7	40	1	61.7*	--	--
Power Plus 34B9	6	3.4	37	1	61.5*	--	--
Midland 3850NR2	10	3.8	36	1	61.5*	--	--
Midland 3740NR2	10	3.7	37	1	61.4*	--	--
FS HiSoy HS41T80	6	3.9	36	1	61.2*	--	--
Mycogen 5N392RR	4	3.9	37	1	60.8	--	--
Power Plus 32K0	6	3.2	38	1	60.8	--	--
Pioneer 93M61	6	3.6	35	1	60.8	--	--
Taylor Exp381-2R	1	3.8	39	1	60.7	--	--
MPG 3510nRR	11	3.5	36	1	60.6	--	--
Prairie Br. PB-3796NRR	11	3.7	35	1	60.3	--	--
Asgrow RY3709	1	3.7	36	1	60.2	--	--
G2 Genetics 7373	7	3.7	35	1	60.0	--	--
NK S34-R2 Brand	6	3.4	32	1	59.9	--	--
Kruger K2-3601	1	3.5	42	1	59.9	--	--
Dyna-Gro Exp 3.6	6	3.6	43	1	59.8	--	--
Willcross 2360NExp	1	3.6	38	1	59.7	--	--
Asgrow AG3130	1	3.1	35	1	58.9	--	--
Fontanelle 78N18	None	3.6	37	1	58.7	--	--
Renze R3797RRcn	6	3.7	35	1	58.7	54.8*	56.8
Willcross 2330NExp	1	3.4	37	1	58.7	--	--
FS HiSoy HS38R80	6	3.8	34	1	58.6	--	--
Asgrow RY3209	1	3.2	33	1	58.6	--	--
Stone 3A388NRR	6	3.8	35	1	58.5	--	--
FS HiSoy HS36A90	6	3.6	36	1	58.5	--	--
Power Plus 36C0	6	3.6	37	1	58.5	--	--
Willcross 2380NExp	1	3.8	36	1	58.4	--	--
Morsoy RT 3328N	1	3.3	38	1	58.2	--	--
Morsoy RT 3609N	1	3.6	41	1	58.1	--	--
Dyna-Gro 37P37	6	3.7	34	1	57.8	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2006	
Hubner H366NRR	8,10	3.6	33	1	57.6	--	--
G2 Genetics 6369	7	3.6	32	1	57.5	--	--
Asgrow AG3803	6	3.8	39	1	57.2	--	--
Morsoy RT 3887N	6	3.8	34	1	57.2	--	--
Kruger K-375RR/SCN	6	3.8	34	1	57.1	--	--
G2 Genetics 7333	7	3.3	41	1	57.0	--	--
NuTech 7369S	6	3.6	38	1	56.9	--	--
Asgrow RY3509	1	3.5	34	1	56.9	--	--
FS HiSoy HS38A92	6	3.8	35	1	56.8	--	--
Lewis 3780	11	3.7	38	1	56.7	--	--
Morsoy RT 3858N	6	3.8	32	1	56.6	--	--
Dyna-Gro 32X39	6	3.9	35	1	56.6	--	--
Lewis 380R2	1	3.8	35	1	56.5	--	--
Asgrow RY3309	1	3.3	31	1	56.4	--	--
Asgrow AG3539	1	3.5	37	1	56.4	--	--
Kruger K2-3801	1	3.8	36	1	56.2	--	--
Morsoy RT 3889N	1	3.8	35	1	56.2	--	--
Stone 3A378NRR	6	3.7	33	1	56.2	--	--
Asgrow AG3139	1	3.1	34	1	56.1	--	--
Channel 3916R Brand	4	3.9	36	1	56.1	--	--
Taylor Exp371-2R	1	3.7	40	1	56.1	--	--
Asgrow AG3402	6	3.4	36	2	56.1	--	--
G2 Genetics 7341	7	3.4	34	1	56.0	--	--
Asgrow AG3430	1	3.4	30	1	55.8	--	--
Midland 3630R2	10	3.6	34	1	55.7	--	--
Willcross 2320N	8,11	3.2	38	2	55.4	--	--
MPG 3609nRR	11	3.7	34	1	55.4	--	--
Midland 3920NRS	10	3.9	33	1	55.2	--	--
FS HiSoy HS39R70	6	3.9	36	1	54.7	--	--
Willcross 2399N	8,11	3.8	36	1	54.1	--	--
NuTech 7386	6	3.8	34	1	54.0	--	--
Midland 3960NR2	10	3.9	30	1	53.6	--	--
Kruger K2-3401	1	3.4	33	1	53.5	--	--
NuTech 7399	6	3.9	34	1	53.3	--	--
Mycogen 5N383RR	4	3.8	34	1	53.2	--	--
Mycogen 5N370RR	4	3.7	35	1	52.7	--	--
FS HiSoy HS38A90	6	3.8	34	1	52.6	--	--
Kruger K-384RR/SCN	6	3.8	36	1	52.6	--	--
Stone 2346NRR	6	3.4	33	1	52.2	--	--
Mycogen 5N382RR	4	3.8	34	1	52.2	--	--
NuTech 7379	6	3.7	35	1	51.8	--	--
Asgrow AG3039	1	3.0	31	1	51.8	--	--
Willcross 2379N	8,11	3.7	33	1	51.8	--	--
Fontanelle 9789NRR	None	3.7	34	1	51.6	--	--
NuTech 3909 SRN	6	3.9	35	1	51.4	57.1*	54.3
Prairie Br. PB-3997NRR	2,10	3.9	37	1	51.3	--	--
Pioneer 93M42	6	3.4	36	1	49.1	54.8*	52.0

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2006	
GROUP 3 AVERAGE			36	1	57.9	54.5	56.2
L.S.D. AT .10					5.1	5.9	
C.V. %					6.4	8.0	
MATURITY GROUP 4							
Kruger K2X44A9	1	4.4	38	1	65.8**	--	--
Kruger K2X45A9	1	4.5	38	1	65.7*	--	--
Renze R4230SRcn	6	4.2	38	1	65.0*	--	--
NuTech 7425S	6	4.2	36	1	64.8*	--	--
MPG 4310nRR/STS	11	4.3	39	1	64.6*	--	--
Kruger K-428RR/SCN	6	4.2	36	1	64.1*	--	--
G2 Genetics 7401	7	4.0	37	1	62.9*	--	--
G2 Genetics 7439S	7	4.3	37	1	62.6*	--	--
G2 Genetics 7419	7	4.1	40	1	62.5*	--	--
Kruger K2X43A9	1	4.3	43	1	61.6*	--	--
Prairie Br. PB-4058NRRSTS	11	4.0	36	1	61.6*	--	--
Fontanelle 80N29	None	4.0	43	1	60.7	--	--
Channel 4119R Brand	4	4.1	36	1	60.6	--	--
Pioneer 94Y01	6	4.0	42	1	60.5	--	--
NuTech 4242RN	6	4.2	39	1	60.5	50.7	55.6
Lewis 3968	11	4.0	36	1	60.4	--	--
MPG 4209nRR/STS	11	4.2	36	1	60.2	--	--
Morsoy RT 4249N	1	4.2	38	1	60.0	--	--
Kruger K-439RR/SCN	6	4.3	36	1	59.8	--	--
NuTech 7417	6	4.1	41	1	59.7	--	--
Kruger K2X43C9	1	4.3	38	1	59.6	--	--
G2 Genetics 7479	7	4.7	36	1	59.5	--	--
MPG X-49-1nRR	11	4.2	36	1	58.6	--	--
Kruger K2X41A9	1	4.1	34	2	58.4	--	--
Stine 4282-4	None	4.2	37	1	58.0	--	--
Channel 4A15RS Brand	4	4.1	42	1	57.8	--	--
Midland 4289NRS	10	4.2	40	1	57.4	--	--
Morsoy RT 4126N	6	4.1	36	1	57.1	--	--
Renze R4038SRcn	6	4.0	40	1	56.8	--	--
Midland 4157NRS	10	4.1	39	1	56.1	56.7**	56.4
Prairie Br. PB-4199NRR2	1	4.1	38	1	55.5	--	--
Stine 4392-4	None	4.3	36	1	54.0	--	--
Kruger K2X43B9	1	4.3	41	2	48.4	--	--
GROUP 4 AVERAGE			38	1	60.0	50.5	55.3
L.S.D. AT .10					4.9	4.3	
C.V. %					5.7	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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 6. Glyphosate Resistant Soybean Test

North Region: LaGrange, MO (Lewis County)

Soil Type: Westerville Silt Loam Soil Test: pH=5.8, OM=2.6%, P=34, K=398

Cyst Nematode Population at Planting: 156 Eggs/250cc of Soil

Rainfall: May=6.6, June=5.1, July=1.9, Aug.=8.8, Sept.=3.3 Total=25.7

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
NK S35-T9 Brand	6	3.5	40	1	63.4**	--	--
Willcross 2380NExp	1	3.8	33	1	62.2*	--	--
Taylor Exp381-2R	1	3.8	29	2	60.5*	--	--
Power Plus 32K0	6	3.2	34	1	60.5*	--	--
Midland 3610NRR	10	3.6	33	1	60.3*	--	--
Fontanelle 78N18	None	3.6	30	2	59.8*	--	--
Dyna-Gro Exp 3.6	6	3.6	36	1	59.2*	--	--
Midland 3850NR2	10	3.8	34	2	58.7*	--	--
Asgrow AG3402	6	3.4	33	1	58.5*	--	--
Kruger K2-3401	1	3.4	32	1	58.1*	--	--
Lewis 380R2	1	3.8	30	2	57.9*	--	--
Asgrow AG3803	6	3.8	36	1	57.6*	66.1*	61.9
Midland 3630R2	10	3.6	35	1	57.4*	--	--
FS HiSoy HS39R70	6	3.9	30	2	57.2*	--	--
Asgrow AG3430	1	3.4	30	1	57.0*	--	--
Willcross 2350N	8,11	3.5	27	2	56.8*	--	--
Kruger K2-3901	1	3.9	36	2	56.7*	--	--
Asgrow RY3709	1	3.7	33	1	56.7*	--	--
Kruger K2-3801	1	3.8	29	2	56.7*	--	--
Taylor Exp371-2R	1	3.7	39	1	56.5*	--	--
Stone 3A388NRR	6	3.8	30	1	56.5*	--	--
Morsoy RT 3629N	6	3.6	30	1	56.5*	--	--
Willcross 2320N	8,11	3.2	30	1	56.4*	--	--
Kruger K-384RR/SCN	6	3.8	32	1	56.4*	67.0*	61.7
Prairie Br. PB-3739NRR2	1	3.7	38	1	56.3*	--	--
MPG 3609nRR	11	3.7	27	1	56.2*	--	--
Hubner H35-01R2	8,10	3.5	29	1	56.0*	--	--
Power Plus 34B9	6	3.4	27	1	55.9*	--	--
G2 Genetics 7389	7	3.8	28	1	55.8	--	--
Asgrow AG3039	1	3.0	27	1	55.5	--	--
NuTech 7386	6	3.8	31	1	55.5	--	--
NK S37-P5 Brand	6	3.7	33	1	55.3	63.4	59.4
Kruger K2-3601	1	3.5	34	1	55.3	--	--
Morsoy RT 3328N	1	3.3	32	1	55.0	--	--
FS HiSoy HS36A90	6	3.6	34	1	55.0	--	--
NuTech 7379	6	3.7	30	1	55.0	--	--
NK S37-F7 Brand	6	3.7	31	1	54.9	64.6	59.8
FS HiSoy HS38A92	6	3.8	28	1	54.8	--	--
NuTech 7399	6	3.9	31	1	54.8	66.6*	60.7
G2 Genetics 7373	7	3.7	27	1	54.8	--	--
MPG 3510nRR	11	3.5	31	1	54.7	--	--
Midland 3740NR2	10	3.7	36	1	54.7	--	--
Morsoy RT 3889N	1	3.8	30	1	54.4	--	--
G2 Genetics 7333	7	3.3	28	1	54.4	--	--
Willcross 2330NExp	1	3.4	30	1	54.3	--	--

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	2 Yr. Mean
					-----bu/acre-----		
Morsoy RT 3858N	6	3.8	26	1	54.3	--	--
Dyna-Gro 32X39	6	3.9	30	1	54.3	--	--
FS HiSoy HS38A90	6	3.8	30	1	54.2	--	--
Willcross 2360NExp	1	3.6	36	1	53.6	--	--
Morsoy RT 3609N	1	3.6	38	1	53.6	--	--
Midland 3960NR2	10	3.9	29	1	53.3	--	--
Lewis 360R2	1	3.6	38	1	53.2	--	--
Asgrow RY3309	1	3.3	30	1	53.2	--	--
G2 Genetics 6369	7	3.6	29	1	53.1	--	--
Morsoy RT 3807N	6	3.8	32	1	52.9	69.8*	61.4
Dyna-Gro 37P37	6	3.7	31	1	52.9	--	--
Mycogen 5N392RR	4	3.9	34	1	52.8	--	--
Channel 3916R Brand	4	3.9	31	1	52.2	63.9	58.1
Stone 3A378NRR	6	3.7	27	1	52.2	--	--
Mycogen 5N383RR	4	3.8	28	1	52.1	--	--
Fontanelle 9789NRR	None	3.7	31	1	52.0	--	--
Asgrow AG3139	1	3.1	32	1	51.7	--	--
Stone 2346NRR	6	3.4	29	1	51.7	68.5*	60.1
Willcross 2379N	8,11	3.7	32	1	51.3	--	--
FS HiSoy HS38R80	6	3.8	29	1	51.2	--	--
NK S39-A3 Brand	6	3.9	30	1	51.2	68.4*	59.8
Asgrow RY3209	1	3.2	26	1	51.2	--	--
Mycogen 5N370RR	4	3.7	28	1	50.9	--	--
Midland 3920NRS	10	3.9	24	1	50.9	--	--
NK S34-R2 Brand	6	3.4	29	1	50.7	--	--
Willcross 2399N	8,11	3.8	26	1	50.7	--	--
Asgrow AG3130	1	3.1	26	1	50.6	--	--
Stine 3923-4	None	3.9	30	1	49.9	--	--
Pioneer 93M42	6	3.4	34	1	49.4	--	--
NuTech 3909 SRN	6	3.9	28	1	49.4	60.8	55.1
Pioneer 93Y70	6	3.7	29	1	49.2	--	--
Pioneer 93M61	6	3.6	30	1	48.1	63.1	55.6
Prairie Br. PB-3997NRR	2,10	3.9	28	1	47.9	63.3	55.6
Morsoy RT 3887N	6	3.8	31	1	47.9	63.7	55.8
Lewis 3780	11	3.7	26	1	47.6	--	--
NuTech 7369S	6	3.6	30	1	47.3	--	--
G2 Genetics 7341	7	3.4	30	1	47.1	--	--
Asgrow RY3509	1	3.5	29	1	46.6	--	--
Renze R3797RRcn	6	3.7	25	1	46.5	65.2*	55.9
FS HiSoy HS41T80	6	3.9	33	1	46.5	--	--
Hubner H366NRR	8,10	3.6	29	1	46.5	--	--
NuTech 7349	6	3.4	30	2	45.5	--	--
Prairie Br. PB-3796NRR	11	3.7	32	1	45.0	59.5	52.3
Asgrow AG3539	1	3.5	24	1	44.8	--	--
Mycogen 5N382RR	4	3.8	26	1	44.4	--	--
Kruger K-375RR/SCN	6	3.8	22	1	44.0	--	--
Power Plus 36C0	6	3.6	25	1	36.0	--	--

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	
GROUP 3 AVERAGE			30	1	53.2	62.7	58.0
L.S.D. AT .10					7.5	6.5	
C.V. %					9.9	7.3	
MATURITY GROUP 4							
Kruger K-439RR/SCN	6	4.3	--	1	60.6**	--	--
Fontanelle 80N29	None	4.0	--	1	59.8*	--	--
Kruger K2X43C9	1	4.3	--	1	59.7*	--	--
Kruger K2X43B9	1	4.3	--	1	59.2*	--	--
Kruger K2X43A9	1	4.3	--	1	57.7*	--	--
G2 Genetics 7439S	7	4.3	--	1	57.2*	--	--
Kruger K-428RR/SCN	6	4.2	--	1	55.1*	--	--
Kruger K2X45A9	1	4.5	--	1	53.4*	--	--
Prairie Br. PB-4199NRR2	1	4.1	--	1	52.7*	--	--
Pioneer 94Y01	6	4.0	--	1	52.1	--	--
Lewis 3968	11	4.0	--	1	51.6	59.3	55.5
G2 Genetics 7419	7	4.1	--	1	51.4	--	--
Kruger K2X41A9	1	4.1	--	1	51.0	--	--
Prairie Br. PB-4058NRRSTS	11	4.0	--	1	50.7	--	--
G2 Genetics 7479	7	4.7	--	1	50.0	--	--
Kruger K2X44A9	1	4.4	--	1	49.2	--	--
MPG X-49-1nRR	11	4.2	--	1	49.1	--	--
Morsoy RT 4249N	1	4.2	--	1	49.0	--	--
MPG 4310nRR/STS	11	4.3	--	1	48.7	--	--
Midland 4289NRS	10	4.2	--	1	46.4	--	--
Channel 4A15RS Brand	4	4.1	--	1	46.2	--	--
Renze R4230SRcn	6	4.2	--	1	45.9	--	--
NuTech 7425S	6	4.2	--	1	45.7	--	--
NuTech 7417	6	4.1	--	1	45.7	77.4*	61.6
Stine 4282-4	None	4.2	--	1	45.5	--	--
NuTech 4242RN	6	4.2	--	1	45.1	68.5	56.8
MPG 4209nRR/STS	11	4.2	--	1	44.9	--	--
G2 Genetics 7401	7	4.0	--	1	44.5	--	--
Stine 4392-4	None	4.3	--	1	43.3	--	--
Morsoy RT 4126N	6	4.1	--	1	42.6	69.7	56.2
Midland 4157NRS	10	4.1	--	1	42.5	--	--
Channel 4119R Brand	4	4.1	--	1	42.4	--	--
Renze R4038SRcn	6	4.0	--	1	38.0	57.6	47.8
GROUP 4 AVERAGE			--	1	49.6	64.3	57.0
L.S.D. AT .10					7.9	7.5	
C.V. %					10.7	7.9	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 7. Performance Summary for Glyphosate Resistant Varieties evaluated at Five North Missouri locations (Craig, Albany, Mooresville, Novelty, LaGrange) during 2009.

<u>Craig</u> Planted: 06-25 Harvested: 11-11 Growing Season Rainfall: 24.5	<u>Albany</u> Planted: 06-27 Harvested: 11-10 Growing Season Rainfall: 22.4	<u>Mooresville</u> Planted: 05-12 Harvested: 10-05,19 Growing Season Rainfall: 29.7
<u>Novelty</u> Planted: 06-01 Harvested: 11-04 Growing Season Rainfall: 26.6	<u>LaGrange</u> Planted: 06-19 Harvested: 11-05 Growing Season Rainfall: 25.7	

Brand-Variety	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooresville	Novelty	LaGrange	
MATURITY GROUP 3						
NK S35-T9 Brand	63.1*	52.5	63.1	63.7*	63.4**	61.2**
Morsoy RT 3807N	55.7	50.0	70.9**	65.0*	52.9	58.9*
Power Plus 32K0	59.8	53.6	58.9	60.8	60.5*	58.7*
Midland 3610NRR	57.4	51.8	59.9	62.8*	60.3*	58.4
Prairie Br. PB-3739NRR2	60.1	52.6	60.9	61.7*	56.3*	58.3
Lewis 360R2	62.6*	51.4	61.9	62.1*	53.2	58.2
Power Plus 34B9	57.5	54.4*	61.2	61.5*	55.9*	58.1
NK S37-F7 Brand	56.6	49.8	64.0*	65.2*	54.9	58.1
Asgrow RY3709	57.1	52.4	63.3*	60.2	56.7*	57.9
Hubner H35-01R2	56.4	52.7	61.3	62.6*	56.0*	57.8
G2 Genetics 7389	59.9	54.1*	54.8	64.3*	55.8	57.8
Asgrow AG3402	61.3*	48.9	63.9*	56.1	58.5*	57.7
FS HiSoy HS36A90	61.1*	51.3	62.8	58.5	55.0	57.7
Willcross 2360NExp	63.9**	49.7	60.9	59.7	53.6	57.6
Asgrow AG3430	57.1	53.3	63.6*	55.8	57.0*	57.4
G2 Genetics 7373	56.1	51.0	64.8*	60.0	54.8	57.3
Midland 3740NR2	59.1	49.8	61.5	61.4*	54.7	57.3
Midland 3850NR2	53.8	45.5	66.8*	61.5*	58.7*	57.3
Asgrow AG3130	59.9	56.8**	60.1	58.9	50.6	57.2
Midland 3630R2	55.9	54.5*	62.0	55.7	57.4*	57.1
Morsoy RT 3629N	51.7	48.5	62.5	66.1*	56.5*	57.0
Fontanelle 78N18	53.8	43.0	70.0*	58.7	59.8*	57.0
Kruger K2-3901	55.4	43.7	66.2*	62.8*	56.7*	57.0
Taylor Exp371-2R	61.1*	52.7	58.2	56.1	56.5*	56.9
Asgrow RY3309	56.9	54.0*	63.7*	56.4	53.2	56.8
Dyna-Gro Exp 3.6	58.0	51.6	55.1	59.8	59.2*	56.7
Taylor Exp381-2R	54.5	46.5	60.9	60.7	60.5*	56.6
MPG 3510nRR	52.4	52.3	62.9	60.6	54.7	56.6
Pioneer 93Y70	59.3	50.9	57.2	66.2**	49.2	56.6
Kruger K2-3601	61.6*	50.0	55.8	59.9	55.3	56.5
Willcross 2380NExp	55.2	46.7	59.7	58.4	62.2*	56.4
Stone 3A388NRR	54.9	48.7	63.6*	58.5	56.5*	56.4
Asgrow AG3039	61.5*	54.3*	58.5	51.8	55.5	56.3
Morsoy RT 3328N	58.7	52.0	57.5	58.2	55.0	56.3
Dyna-Gro 32X39	57.0	50.7	62.4	56.6	54.3	56.2
NK S37-P5 Brand	53.2	47.4	61.5	63.6*	55.3	56.2
Morsoy RT 3609N	59.7	48.9	60.7	58.1	53.6	56.2
NK S39-A3 Brand	54.0	48.5	64.0*	63.2*	51.2	56.2
Asgrow AG3139	59.3	55.8*	57.8	56.1	51.7	56.1
NK S34-R2 Brand	58.1	52.0	59.8	59.9	50.7	56.1

Table 7. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooreville	Novelty	LaGrange	
Willcross 2350N	51.0	47.4	62.5	62.5*	56.8*	56.0
NuTech 7399	57.9	48.7	65.3*	53.3	54.8	56.0
Kruger K-384RR/SCN	53.6	47.5	69.0*	52.6	56.4*	55.8
Morsoy RT 3889N	56.0	43.8	68.3*	56.2	54.4	55.7
Lewis 380R2	56.7	44.0	63.1	56.5	57.9*	55.6
Stone 3A378NRR	54.6	48.2	66.0*	56.2	52.2	55.4
Asgrow RY3209	52.0	53.6	61.6	58.6	51.2	55.4
Stine 3923-4	52.2	47.4	64.2*	62.9*	49.9	55.3
Morsoy RT 3887N	58.4	47.5	65.4*	57.2	47.9	55.3
Mycogen 5N392RR	53.1	46.1	63.5*	60.8	52.8	55.2
Willcross 2330NExp	57.8	49.4	56.0	58.7	54.3	55.2
G2 Genetics 7341	58.8	52.2	61.7	56.0	47.1	55.2
Dyna-Gro 37P37	51.2	46.9	66.6*	57.8	52.9	55.1
Kruger K2-3801	55.3	45.4	61.8	56.2	56.7*	55.1
Asgrow AG3803	50.7	47.5	62.3	57.2	57.6*	55.0
FS HiSoy HS39R70	55.7	47.1	60.3	54.7	57.2*	55.0
NuTech 7349	54.7	48.9	62.5	62.5*	45.5	54.8
Kruger K2-3401	55.4	50.6	56.2	53.5	58.1*	54.8
MPG 3609nRR	53.7	45.3	62.9	55.4	56.2*	54.7
FS HiSoy HS38R80	55.0	47.9	60.6	58.6	51.2	54.6
FS HiSoy HS38A92	55.8	45.4	60.4	56.8	54.8	54.6
G2 Genetics 7333	52.3	51.8	57.4	57.0	54.4	54.6
NuTech 7379	56.2	44.3	64.5*	51.8	55.0	54.4
Stone 2346NRR	58.4	47.0	62.4	52.2	51.7	54.3
Pioneer 93M61	58.2	50.1	54.4	60.8	48.1	54.3
Willcross 2320N	53.3	52.4	53.9	55.4	56.4*	54.3
FS HiSoy HS41T80	57.7	47.4	58.5	61.2*	46.5	54.3
Fontanelle 9789NRR	52.0	48.4	65.8*	51.6	52.0	54.0
Midland 3960NR2	53.9	48.4	60.2	53.6	53.3	53.9
Asgrow AG3539	53.0	51.7	63.4*	56.4	44.8	53.9
FS HiSoy HS38A90	51.3	43.8	66.9*	52.6	54.2	53.8
NuTech 7386	54.8	45.3	58.6	54.0	55.5	53.6
Hubner H366NRR	55.7	47.8	60.2	57.6	46.5	53.6
G2 Genetics 6369	50.9	50.1	56.0	57.5	53.1	53.5
Channel 3916R Brand	49.7	42.8	66.4*	56.1	52.2	53.4
Prairie Br. PB-3796NRR	58.9	47.8	54.8	60.3	45.0	53.4
Asgrow RY3509	55.7	52.5	55.0	56.9	46.6	53.3
Willcross 2399N	51.1	46.1	64.3*	54.1	50.7	53.2
Morsoy RT 3858N	53.7	41.9	59.2	56.6	54.3	53.1
Midland 3920NRS	52.2	44.8	61.8	55.2	50.9	53.0
NuTech 7369S	54.1	50.0	55.7	56.9	47.3	52.8
Mycogen 5N370RR	57.0	49.9	52.6	52.7	50.9	52.6
Pioneer 93M42	56.0	48.8	59.1	49.1	49.4	52.5
Mycogen 5N383RR	52.4	43.9	59.6	53.2	52.1	52.2
Renze R3797RRcn	55.5	48.4	51.4	58.7	46.5	52.1
Prairie Br. PB-3997NRR	52.8	45.0	60.4	51.3	47.9	51.5
Willcross 2379N	51.0	45.5	57.2	51.8	51.3	51.4
Lewis 3780	49.5	42.2	58.9	56.7	47.6	51.0
Power Plus 36C0	56.2	48.0	54.6	58.5	36.0	50.6
Kruger K-375RR/SCN	52.6	43.0	55.5	57.1	44.0	50.4
NuTech 3909 SRN	50.0	42.6	55.7	51.4	49.4	49.8
Mycogen 5N382RR	46.3	39.6	60.3	52.2	44.4	48.6

Table 7. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Craig	Albany	Mooresville	Novelty	LaGrange	Mean
GROUP 3 AVERAGE	55.7	48.8	61.0	57.9	53.2	55.3
L.S.D. AT .10	3.6	3.0	7.8	5.1	7.5	2.5
C.V. %	4.5	4.4	8.9	6.4	9.9	6.8
MATURITY GROUP 4						
Kruger K-428RR/SCN	55.4	46.2	61.1*	64.1*	55.1*	56.4**
Kruger K-439RR/SCN	52.9	45.9	62.3*	59.8	60.6**	56.3*
G2 Genetics 7419	57.6*	50.5*	58.7	62.5*	51.4	56.1*
Kruger K2X45A9	50.6	50.1	59.2*	65.7*	53.4*	55.8*
Fontanelle 80N29	52.6	43.3	60.3*	60.7	59.8*	55.3*
G2 Genetics 7439S	52.2	48.5	55.9	62.6*	57.2*	55.3*
Kruger K2X43C9	50.0	46.1	61.0*	59.6	59.7*	55.3*
Kruger K2X44A9	49.0	45.3	66.1**	65.8**	49.2	55.1*
Kruger K2X43A9	52.1	41.0	60.8*	61.6*	57.7*	54.6*
Pioneer 94Y01	55.7	47.9	55.8	60.5	52.1	54.4*
Kruger K2X43B9	57.9*	47.0	57.7	48.4	59.2*	54.0*
G2 Genetics 7479	55.4	45.5	59.4*	59.5	50.0	54.0*
NuTech 7425S	52.6	46.8	59.6*	64.8*	45.7	53.9*
Lewis 3968	53.2	47.3	56.9	60.4	51.6	53.9*
Kruger K2X41A9	51.8	53.1**	53.9	58.4	51.0	53.6
MPG 4310nRR/STS	50.9	47.3	56.6	64.6*	48.7	53.6
NuTech 7417	59.2**	46.4	55.3	59.7	45.7	53.3
Prairie Br. PB-4058NRRSTS	54.1	47.5	52.4	61.6*	50.7	53.2
G2 Genetics 7401	50.5	43.3	63.4*	62.9*	44.5	52.9
Prairie Br. PB-4199NRR2	52.8	49.5	50.7	55.5	52.7*	52.2
Renze R4230SRcn	53.1	44.4	52.3	65.0*	45.9	52.1
MPG X-49-1nRR	54.7	45.9	52.2	58.6	49.1	52.1
NuTech 4242RN	50.3	41.3	62.5*	60.5	45.1	51.9
Morsoy RT 4249N	52.1	46.4	51.7	60.0	49.0	51.8
Morsoy RT 4126N	51.9	46.3	60.4*	57.1	42.6	51.6
Channel 4A15RS Brand	50.9	45.9	56.3	57.8	46.2	51.4
MPG 4209nRR/STS	53.5	45.6	52.1	60.2	44.9	51.2
Channel 4119R Brand	52.8	44.5	54.9	60.6	42.4	51.0
Stine 4282-4	47.4	44.6	57.0	58.0	45.5	50.5
Midland 4289NRS	49.5	41.4	56.5	57.4	46.4	50.2
Midland 4157NRS	51.4	40.7	48.9	56.1	42.5	47.9
Renze R4038SRcn	47.4	42.2	54.2	56.8	38.0	47.7
Stine 4392-4	44.3	44.1	52.5	54.0	43.3	47.6
GROUP 4 AVERAGE	52.3	45.8	56.9	60.0	49.6	52.9
L.S.D. AT .10	3.3	2.6	6.9	4.9	7.9	2.4
C.V. %	4.4	4.0	8.0	5.7	10.7	6.6

** 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 8. **Non-Glyphosate Resistant / Special Traits Soybean Test**

North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silt Clay Soil Test: pH=7.4, OM=1.5%, P=26, K=442

Cyst Nematode Population at Planting: 11378 Eggs/100cc of Soil

Rainfall: May=3.3, June=10.6, July=5.1, Aug.=4.3, Sept.=1.2 Total=24.5

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Prairie Br. PB-3299NLL	11	3.3	31	1	59.2**	--	--
Morsoy 3919N	11	3.9	36	1	59.2**	--	--
Emerge 388.TC	6	3.8	37	1	59.1*	41.9**	50.5
SS 09L.42	11	4.2	40	1	58.7*	--	--
NuTech 3418L	6	4.1	40	1	58.3*	--	--
Morsoy LL4208N	11	4.2	36	1	57.8*	--	--
SS 09L.37	11	3.7	36	1	57.6*	--	--
Morsoy LL3759N	11	3.7	34	1	57.5*	--	--
SS 10L.37N	11	3.7	36	1	57.0*	--	--
SS 10L.34N	11	3.4	32	1	56.5*	--	--
NuTech 3349L	6	3.4	33	1	56.4*	--	--
Emerge 348.TC	6	3.4	32	1	56.3*	--	--
NuTech 3399L	6	3.9	35	1	56.0	--	--
NuTech 3369L	6	3.6	36	1	56.0	--	--
MPG X-38-1	11	3.8	36	1	55.8	--	--
HYC 2	--	3.8	38	1	55.3	36.2	45.8
Emerge 389F.YC	6	3.8	31	1	55.3	--	--
NuTech 3378L	6	3.7	36	1	54.9	--	--
SS 10L.39N	11	3.9	32	1	54.9	--	--
HYC 1	--	3.9	35	1	54.9	40.1*	47.5
MU Exp 3901	2,9	3.9	32	1	54.1	--	--
HYC 3	--	4.0	34	1	54.0	40.6*	47.3
Emerge 447.TC	6	4.4	39	1	53.4	34.8	44.1
Prairie Br. PB-3999NLL	11	3.9	37	1	53.1	--	--
MPG 415CN	11	4.2	36	1	52.9	40.1*	46.5
Morsoy LL3748N	11	3.7	33	1	52.9	--	--
Emerge 435.TCS	6	4.3	30	1	51.4	35.4	43.4
MPV 4238N	5	4.2	36	1	50.1	38.0	44.1
Wooster	5	3.9	31	1	49.1	--	--
Emerge 428F.HPC	6	4.4	38	1	47.2	33.5	40.4
GROUP 3 AVERAGE			35	1	55.2	35.6	45.4
L.S.D. AT .10					3.0	3.5	
C.V. %					3.7	8.2	

-- 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= Accelaron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 9. Non-Glyphosate Resistant / Special Traits Soybean Test

North Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=5.6, OM=2.3%, P=44, K=264

Cyst Nematode Population at Planting: 466 Eggs/100cc of Soil

Rainfall: May=6.0, June=7.4, July=2.7, Aug.=5.8, Sept.=0.5 Total=22.4

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Morsoy 3919N	11	3.9	30	1	51.4**	--	--
SS 10L.34N	11	3.4	30	1	50.9*	--	--
NuTech 3418L	6	4.1	30	1	50.2*	--	--
Prairie Br. PB-3299NLL	11	3.3	29	1	50.2*	--	--
Prairie Br. PB-3999NLL	11	3.9	32	1	50.1*	--	--
Wooster	5	3.9	30	1	50.1*	--	--
NuTech 3349L	6	3.4	30	1	50.0*	--	--
SS 09L.37	11	3.7	33	1	49.9*	--	--
MU Exp 3901	2,9	3.9	33	1	49.4*	--	--
Emerge 388.TC	6	3.8	35	1	49.3*	45.0*	47.2
SS 10L.39N	11	3.9	31	1	49.1*	--	--
Emerge 348.TC	6	3.4	25	1	48.9*	--	--
NuTech 3369L	6	3.6	32	1	48.7*	--	--
SS 09L.42	11	4.2	30	1	48.6*	--	--
NuTech 3399L	6	3.9	31	1	48.2	--	--
HYC 2	--	3.8	31	1	48.1	42.4	45.3
Morsoy LL3748N	11	3.7	31	1	48.0	--	--
MPG X-38-1	11	3.8	25	1	47.7	--	--
SS 10L.37N	11	3.7	31	1	47.6	--	--
NuTech 3378L	6	3.7	35	1	47.4	--	--
HYC 3	--	4.0	34	1	46.9	44.9*	45.9
Morsoy LL3759N	11	3.7	30	1	46.4	--	--
Morsoy LL4208N	11	4.2	34	1	46.3	--	--
HYC 1	--	3.9	30	1	46.3	42.3	44.3
Emerge 389F.YC	6	3.8	29	1	46.2	--	--
MPG 415CN	11	4.2	34	1	45.3	47.4**	46.4
Emerge 428F.HPC	6	4.4	30	1	43.4	42.7	43.1
Emerge 435.TCS	6	4.3	30	1	41.3	36.3	38.8
MPV 4238N	5	4.2	29	1	40.5	43.5	42.0
Emerge 447.TC	6	4.4	35	1	40.2	41.7	41.0
GROUP 3 AVERAGE			31	1	47.6	41.0	44.3
L.S.D. AT .10					3.0	3.5	
C.V. %					4.3	7.2	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 10. Non-Glyphosate Resistant / Special Traits Soybean Test

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.8, OM=2.3%, P=24, K=116

Cyst Nematode Population at Planting: 2327 Eggs/100cc of Soil

Rainfall: May=4.0, June=7.4, July=3.7, Aug.=13.7, Sept.=0.9 Total=29.7

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
HYC 3	--	4.0	40	1	66.8**	44.0*	55.4
SS 10L.39N	11	3.9	34	1	66.3*	--	--
MPG 415CN	11	4.2	44	1	64.8*	46.0*	55.4
Wooster	5	3.9	39	1	63.0*	--	--
MPG X-38-1	11	3.8	38	1	63.0*	--	--
NuTech 3399L	6	3.9	39	1	62.8*	--	--
HYC 1	--	3.9	36	1	61.9*	47.5*	54.7
Morsoy LL4208N	11	4.2	41	1	61.5*	--	--
Morsoy 3919N	11	3.9	37	1	61.4*	--	--
MU Exp 3901	2,9	3.9	41	1	60.8*	--	--
HYC 2	--	3.8	37	1	60.5	48.8**	54.7
Emerge 348.TC	6	3.4	36	1	60.3	--	--
Prairie Br. PB-3999NLL	11	3.9	38	1	59.7	--	--
NuTech 3378L	6	3.7	40	1	59.3	--	--
SS 10L.37N	11	3.7	38	1	58.8	--	--
NuTech 3369L	6	3.6	38	1	58.8	--	--
Emerge 389F.YC	6	3.8	34	1	58.1	--	--
SS 09L.42	11	4.2	44	1	57.7	--	--
MPV 4238N	5	4.2	39	1	57.7	45.5*	51.6
Emerge 447.TC	6	4.4	43	1	57.2	43.8*	50.5
Morsoy LL3759N	11	3.7	37	1	56.7	--	--
SS 09L.37	11	3.7	41	2	56.4	--	--
Emerge 388.TC	6	3.8	41	1	56.0	43.0*	49.5
NuTech 3418L	6	4.1	43	1	54.7	--	--
Emerge 428F.HPC	6	4.4	38	1	54.7	40.0	47.4
Emerge 435.TCS	6	4.3	37	1	54.0	39.5	46.8
SS 10L.34N	11	3.4	34	1	52.9	--	--
NuTech 3349L	6	3.4	34	1	52.3	--	--
Prairie Br. PB-3299NLL	11	3.3	35	1	52.3	--	--
Morsoy LL3748N	11	3.7	40	1	51.8	--	--
GROUP 3 AVERAGE			39	1	58.7	42.4	50.6
L.S.D. AT .10					6.3	6.0	
C.V. %					7.4	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= Acceleron(Pyraclostrobin, Metalaxyl); 2= Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 11. Non-Glyphosate Resistant / Special Traits Soybean Test

North Region: Novelty, MO (Knox County)

Soil Type: Putnam Silt Loam Soil Test: pH=6.4, OM=1.8, P=36, K=216

Cyst Nematode Population at Planting: 4652 Eggs/100cc of Soil

Rainfall: May=6.7, June=5.7, July=4.2, Aug.=6.6, Sept.=3.4 Total=26.6

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	
HYC 1	--	3.9	36	1	61.4**	55.1	58.3
MPG 415CN	11	4.2	38	1	59.7*	52.8	56.3
Morsoy 3919N	11	3.9	36	1	59.7*	--	--
Morsoy LL4208N	11	4.2	36	1	58.8*	--	--
Morsoy LL3748N	11	3.7	34	1	58.0*	--	--
NuTech 3418L	6	4.1	37	1	57.9*	--	--
MU Exp 3901	2,9	3.9	35	1	57.2*	--	--
SS 09L.42	11	4.2	39	1	57.1*	--	--
HYC 3	--	4.0	35	1	56.5*	59.7**	58.1
Emerge 389F.YC	6	3.8	33	1	56.3	--	--
Emerge 388.TC	6	3.8	36	1	56.2	--	--
SS 10L.39N	11	3.9	34	1	55.8	--	--
Prairie Br. PB-3999NLL	11	3.9	34	1	55.7	--	--
Emerge 447.TC	6	4.4	40	1	54.2	--	--
NuTech 3378L	6	3.7	35	1	54.1	--	--
HYC 2	--	3.8	35	1	53.8	48.8	51.3
NuTech 3399L	6	3.9	36	1	53.6	--	--
Emerge 348.TC	6	3.4	33	1	53.4	--	--
Prairie Br. PB-3299NLL	11	3.3	30	1	53.2	--	--
SS 10L.37N	11	3.7	34	1	53.1	--	--
Emerge 435.TCS	6	4.3	33	1	53.1	45.9	49.5
NuTech 3349L	6	3.4	32	1	53.0	--	--
SS 10L.34N	11	3.4	31	1	52.7	--	--
MPG X-38-1	11	3.8	31	1	52.4	--	--
Morsoy LL3759N	11	3.7	32	1	52.3	--	--
MPV 4238N	5	4.2	36	1	52.1	--	--
NuTech 3369L	6	3.6	35	1	50.0	--	--
Emerge 428F.HPC	6	4.4	35	1	49.6	--	--
SS 09L.37	11	3.7	34	1	49.3	--	--
Wooster	5	3.9	33	1	47.1	--	--
GROUP 3 AVERAGE			35	1	54.6	46.7	50.7
L.S.D. AT .10					5.0	3.6	
C.V. %					6.6	6.3	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 12. Non-Glyphosate Resistant / Special Traits Soybean Test

North Region: LaGrange, MO (Lewis County)

Soil Type: Westerville Silt Loam Soil Test: pH=5.8, OM=2.6%, P=34, K=398

Cyst Nematode Population at Planting: 156 Eggs/250cc of Soil

Rainfall: May=6.6, June=5.1, July=1.9, Aug.=8.8, Sept.=3.3 Total=25.7

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	
NuTech 3399L	6	3.9	30	1	61.8**	--	--
Prairie Br. PB-3999NLL	11	3.9	35	1	59.1*	--	--
NuTech 3418L	6	4.1	37	1	58.0*	--	--
SS 10L.39N	11	3.9	33	1	57.7*	--	--
Emerge 388.TC	6	3.8	34	1	56.7*	--	--
NuTech 3349L	6	3.4	29	1	56.6*	--	--
Emerge 348.TC	6	3.4	30	1	56.2*	--	--
SS 10L.34N	11	3.4	29	1	55.9*	--	--
Morsoy LL3748N	11	3.7	33	1	55.8*	--	--
SS 09L.37	11	3.7	29	1	55.5*	--	--
MPG X-38-1	11	3.8	32	1	55.3*	--	--
NuTech 3369L	6	3.6	33	1	54.4*	--	--
SS 09L.42	11	4.2	32	1	54.3*	--	--
SS 10L.37N	11	3.7	34	1	54.1	--	--
MU Exp 3901	2,9	3.9	34	2	53.5	--	--
Emerge 447.TC	6	4.4	38	2	52.8	--	--
HYC 2	--	3.8	34	1	52.7	53.7*	53.2
Morsoy LL4208N	11	4.2	39	1	52.4	--	--
Prairie Br. PB-3299NLL	11	3.3	31	1	52.4	--	--
NuTech 3378L	6	3.7	34	1	51.9	--	--
HYC 1	--	3.9	31	1	50.0	58.0**	54.0
HYC 3	--	4.0	35	1	49.9	57.3*	53.6
Wooster	5	3.9	30	1	49.5	--	--
Morsoy LL3759N	11	3.7	33	1	49.3	--	--
Morsoy 3919N	11	3.9	32	1	48.7	--	--
MPG 415CN	11	4.2	34	1	48.6	53.5*	51.1
MPV 4238N	5	4.2	37	1	48.0	--	--
Emerge 435.TCS	6	4.3	33	2	43.3	53.5*	48.4
Emerge 428F.HPC	6	4.4	37	1	39.9	--	--
Emerge 389F.YC	6	3.8	26	1	32.4	--	--
GROUP 3 AVERAGE			33	1	52.2	50.8	51.5
L.S.D. AT .10					7.6	4.7	
C.V. %					10.1	7.6	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 13. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Five North Missouri locations (Craig, Albany, Mooresville, Novelty, LaGrange) during 2009.

<u>Craig</u> Planted: 6-25 Harvested: 11-12 Growing Season Rainfall: 24.5	<u>Albany</u> Planted: 06-27 Harvested: 11-11 Growing Season Rainfall: 22.4	<u>Mooresville</u> Planted: 05-12 Harvested: 10-19 Growing Season Rainfall: 29.7
<u>Novelty</u> Planted: 06-01 Harvested: 11-04 Growing Season Rainfall: 26.6	<u>LaGrange</u> Planted: 06-19 Harvested: 11-06 Growing Season Rainfall: 25.7	

Brand-Variety	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooresville	Novelty	LaGrange	
SS 10L.39N	54.9	49.1*	66.3*	55.8	57.7*	56.8**
NuTech 3399L	56.0	48.2	62.8*	53.6	61.8**	56.5*
Morsoy 3919N	59.2**	51.4**	61.4*	59.7*	48.7	56.1*
NuTech 3418L	58.3*	50.2*	54.7	57.9*	58.0*	55.8*
Prairie Br. PB-3999NLL	53.1	50.1*	59.7	55.7	59.1*	55.5*
Emerge 388.TC	59.1*	49.3*	56.0	56.2	56.7*	55.4*
Morsoy LL4208N	57.8*	46.3	61.5*	58.8*	52.4	55.4*
SS 09L.42	58.7*	48.6*	57.7	57.1*	54.3*	55.3*
Emerge 348.TC	56.3*	48.9*	60.3	53.4	56.2*	55.0*
MU Exp 3901	54.1	49.4*	60.8*	57.2*	53.5	55.0*
HYC 1	54.9	46.3	61.9*	61.4**	50.0	54.9*
MPG X-38-1	55.8	47.7	63.0*	52.4	55.3*	54.8*
HYC 3	54.0	46.9	66.8**	56.5*	49.9	54.8*
MPG 415CN	52.9	45.3	64.8*	59.7*	48.6	54.3
SS 10L.37N	57.0*	47.6	58.8	53.1	54.1	54.1
HYC 2	55.3	48.1	60.5	53.8	52.7	54.1
SS 10L.34N	56.5*	50.9*	52.9	52.7	55.9*	53.8
SS 09L.37	57.6*	49.9*	56.4	49.3	55.5*	53.7
NuTech 3349L	56.4*	50.0*	52.3	53.0	56.6*	53.6
NuTech 3369L	56.0	48.7*	58.8	50.0	54.4*	53.6
NuTech 3378L	54.9	47.4	59.3	54.1	51.9	53.5
Prairie Br. PB-3299NLL	59.2**	50.2*	52.3	53.2	52.4	53.5
Morsoy LL3748N	52.9	48.0	51.8	58.0*	55.8*	53.3
Morsoy LL3759N	57.5*	46.4	56.7	52.3	49.3	52.4
Wooster	49.1	50.1*	63.0*	47.1	49.5	51.8
Emerge 447.TC	53.4	40.2	57.2	54.2	52.8	51.6
MPV 4238N	50.1	40.5	57.7	52.1	48.0	49.7
Emerge 389F.YC	55.3	46.2	58.1	56.3	32.4	49.6
Emerge 435.TCS	51.4	41.3	54.0	53.1	43.3	48.6
Emerge 428F.HPC	47.2	43.4	54.7	49.6	39.9	47.0
GROUP 3 AVERAGE	55.2	47.6	58.7	54.6	52.2	53.7
L.S.D. AT .10	3.0	3.0	6.3	5.0	7.6	2.3
C.V. %	3.7	4.3	7.4	6.6	10.1	6.4

** 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 for Glyphosate Resistant and Non-Glyphosate Resistant / Special Trait Soybean Tests this year. 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 slightly between locations but tend to reflect those followed by farmers in the area.

Yields at all of the five Central Region locations were good this year, partly due to abundant rainfall throughout the growing season. The Henrietta and Grand Pass sites were infested with SDS that reduced yields there. Temperatures dipped below freezing twice in mid-October, shortening the growing season and hurting yields for some of the later varieties. The average yield was 54 bushels per acre across the five Central Region sites. Warrior was applied this summer at Truxton and Annada to control soybean aphids at those sites.

Climatological information for the growing season (May 1 – September 30) for the Central Region is summarized below and cultural practices for each site are listed in Table 13.

Average temperature = 69.4 degrees, 1.7 degrees below normal
 Average precipitation = 24.7", 4.9" above normal

Table 14. Central Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide		
			N	P ₂ O ₅	K ₂ O		Pre	Post	Post
<i>Glyphosate Resistant Soybean Tests</i>									
Henrietta	05-06	9-30	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax	
Grand Pass	05-20	10-07	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax	
Columbia	05-19	9-29,11-07	10	46	60	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax	
Truxton	06-20	11-03	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Warrior	
Annada	06-22	11-14	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax, Warrior	
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>									
Henrietta	05-06	9-30	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Ultra Blazer, Select, Basagran	
Grand Pass	05-20	10-07	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Ultra Blazer, Select, Basagran	
Columbia	05-19	11-07	10	46	60	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Select	
Truxton	06-20	11-03	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Warrior	
Annada	06-22	11.14	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Ultra Blazer, Select, Basagran, Warrior	

TABLE 15. Glyphosate Resistant Soybean Test

Central Region: Henrietta, MO (Ray County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.1, OM=1.5%, P=78, K=422

Cyst Nematode Population at Planting: 0 Eggs/100cc of Soil

Rainfall: May=5.3, June=6.8, July=5.8, Aug.=6.8, Sept.=1.5 Total=26.2

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
G2 Genetics 7389	7	3.8	50	1	65.6**	--	--
NK S37-F7 Brand	6	3.7	48	1	64.2*	71.1	67.6
G2 Genetics 7383	7	3.8	52	1	63.5*	--	--
Power Plus 34B9	6	3.4	46	1	62.0*	--	--
G2 Genetics 7341	7	3.4	42	1	61.6*	--	--
Asgrow RY3709	1	3.7	42	1	61.4*	--	--
Stone 3A398NRR	6	3.9	44	1	60.3*	--	--
Stine 3923-4	None	3.9	42	1	60.1*	--	--
G2 Genetics 7373	7	3.7	46	1	59.6*	--	--
Power Plus 36C0	6	3.6	43	1	59.1*	--	--
Kruger K2-3901	1	3.9	49	1	59.1*	--	--
NK S39-A3 Brand	6	3.9	45	1	58.5*	77.9*	68.2
Lewis 3909	11	3.9	48	1	57.7*	--	--
Hubner H39-01R2	8,10	3.9	50	1	57.5*	--	--
Stone 3A388NRR	6	3.8	47	1	56.5	--	--
NK S35-T9 Brand	6	3.5	48	2	56.1	--	--
Willcross 2360NExp	1	3.6	49	1	56.1	--	--
Lewis 380R2	1	3.8	46	1	55.9	--	--
Channel 3916R Brand	4	3.9	44	1	55.6	67.0	61.3
Pioneer 93Y70	6	3.7	44	2	55.5	--	--
NK S37-P5 Brand	6	3.7	42	1	54.9	71.2	63.1
NuTech 7349	6	3.4	41	2	54.7	--	--
Hubner H398NRR	8,10	3.9	47	1	54.4	--	--
Asgrow AG3803	6	3.8	47	1	54.3	75.6*	65.0
Kruger K-375RR/SCN	6	3.8	44	2	54.0	--	--
Pioneer 93M61	6	3.6	44	1	53.8	75.2*	64.5
Asgrow RY3509	1	3.5	43	1	53.7	--	--
Midland 3960NR2	10	3.9	38	1	53.6	--	--
Midland 3920NRS	10	3.9	42	2	53.4	--	--
Kruger K2-3801	1	3.8	45	1	53.1	--	--
Willcross 2399N	8,11	3.8	41	2	52.8	--	--
NK S33-K5 Brand	6	3.3	48	1	52.8	--	--
Midland 3740NR2	10	3.7	50	2	52.8	--	--
Willcross 2380NExp	1	3.8	46	2	52.3	--	--
Mycogen 5N383RR	4	3.8	43	1	51.5	--	--
Morsoy RT 3887N	6	3.8	46	1	51.4	71.4	61.4
Kruger K-384RR/SCN	6	3.8	45	1	51.3	74.3*	62.8
Midland 3738NRR	10	3.7	51	2	50.5	71.0	60.8
Taylor Exp371-2R	1	3.7	50	1	50.4	--	--
Mycogen 5N392RR	4	3.9	42	1	49.9	--	--
Morsoy RT 3858N	6	3.8	40	2	49.9	--	--
Dyna-Gro Exp 3.8	6	3.8	46	1	49.6	--	--
Morsoy RT 3609N	1	3.6	50	2	49.6	--	--
Dyna-Gro 37P37	6	3.7	42	1	49.5	--	--
Morsoy RT 3889N	1	3.8	47	1	48.7	--	--

TABLE 15. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	2 Yr. Mean
					-----bu/acre-----		
Stone 3A378NRR	6	3.7	39	2	48.6	--	--
Dyna-Gro 32X39	6	3.9	45	1	48.3	--	--
Morsoy RT 3807N	6	3.8	47	2	48.0	73.4*	60.7
NuTech 7386	6	3.8	44	2	47.6	--	--
Mycogen 5N370RR	4	3.7	44	1	47.5	--	--
NuTech 3909 SRN	6	3.9	41	1	46.9	70.5	58.7
Mycogen 5N382RR	4	3.8	45	2	45.1	--	--
Willcross 2379N	8,11	3.7	41	1	44.3	--	--
Taylor Exp381-2R	1	3.8	42	1	43.7	--	--
Midland 3850NR2	10	3.8	47	1	38.6	--	--
GROUP 3 AVERAGE			45	1	53.6	70.3	62.0
L.S.D. AT .10					8.2	6.1	
C.V. %					10.5	6.0	
MATURITY GROUP 4							
Pioneer 94Y01	6	4.0	49	1	62.5**	--	--
Midland 4580R2	10	4.5	46	1	58.2*	--	--
Willcross 2460NExp	1	4.7	45	1	57.8*	--	--
Pioneer 94Y20	6	4.2	49	2	57.7*	--	--
Kruger K2X45A9	1	4.5	49	1	57.6*	--	--
Kruger K2X43C9	1	4.3	45	1	57.5*	--	--
Kruger K2X43B9	1	4.3	52	2	57.5*	--	--
Asgrow AG4303	6	4.3	42	1	57.3*	--	--
Power Plus 41F9	6	4.0	52	1	57.1*	--	--
G2 Genetics 7401	7	4.0	50	1	57.0*	--	--
Kruger K-439RR/SCN	6	4.3	42	1	56.9*	--	--
Midland 4329NRR	10	4.3	49	2	56.9*	--	--
Morsoy RT 4299N	6	4.2	43	1	56.6*	--	--
Dyna-Gro 38C42	6	4.2	43	1	56.4*	68.1	62.3
Fontanelle Exp441	None	4.4	48	1	56.0*	--	--
NuTech 7479	6	4.7	52	3	54.7*	--	--
Asgrow AG4005	6	4.0	46	1	54.1*	--	--
G2 Genetics 7419	7	4.1	53	1	54.0	--	--
Morsoy RT 4457N	6	4.4	49	2	54.0	--	--
Lewis 4150	11	4.1	48	2	53.4	--	--
Stine 4392-4	None	4.3	40	1	53.0	81.3*	67.2
Kruger K2X44A9	1	4.4	49	1	53.0	--	--
NK S44-D5 Brand	6	4.4	46	1	52.8	--	--
NuTech 4242RN	6	4.2	46	1	52.6	77.1*	64.9
G2 Genetics 7479	7	4.7	50	2	52.4	--	--
Lewis 400R2	1	4.0	50	1	51.9	--	--
G2 Genetics 7439S	7	4.3	42	1	51.8	--	--
MPG 4310nRR/STS	11	4.3	45	1	50.9	--	--
Fontanelle 407NRRSTS	None	4.0	46	1	50.5	--	--
Kruger K2X41A9	1	4.1	49	1	50.1	--	--
Dyna-Gro Exp 4.3	6	4.3	50	2	49.9	--	--
NK S41-R6 Brand	6	4.1	44	1	49.4	--	--
Morsoy RT 4707N	6	4.7	55	2	49.1	--	--
MPG 4509nRR/STS	11	4.5	40	2	49.1	--	--
NuTech 7425S	6	4.2	42	1	48.8	--	--
MPG 4406nRR	11	4.4	54	1	48.8	74.7*	61.8
Fontanelle 80N29	None	4.0	50	1	48.7	--	--

TABLE 15. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2007	
Asgrow AG4404	6	4.4	48	1	48.6	81.9**	65.3
Asgrow AG4606	6	4.6	51	1	47.9	--	--
NK S48-C9 Brand	6	4.8	48	1	47.8	--	--
MPG 4209nRR/STS	11	4.2	42	1	47.1	--	--
Stine 4282-4	None	4.2	44	1	47.0	--	--
Channel 4119R Brand	4	4.1	48	1	44.9	--	--
Kruger K-428RR/SCN	6	4.2	46	1	44.6	--	--
Kruger K2X43A9	1	4.3	50	2	44.2	--	--
Midland 4289NRS	10	4.2	44	1	43.9	--	--
NuTech 7475	6	4.7	40	1	43.3	--	--
Morsoy RT 4126N	6	4.1	47	2	42.9	72.4	57.7
Midland 4270NR2	10	4.2	42	1	42.5	--	--
Willcross 2420NExp	1	4.2	45	1	42.1	--	--
Morsoy RT 4249N	1	4.2	44	1	41.0	--	--
MPG X-49-1nRR	11	4.2	47	1	39.7	--	--
Morsoy RT 4485N	6	4.4	52	1	34.4	69.2	51.8
GROUP 4 AVERAGE			47	1	50.9	68.0	59.5
L.S.D. AT .10					8.4	8.8	
C.V. %					11.5	9.1	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 16. Glyphosate Resistant Soybean Test

Central Region: Grand Pass, MO (Saline County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.3, OM=1.2%, P=70, K=382

Cyst Nematode Population at Planting: 0 Eggs/100cc of Soil

Rainfall: May=5.2, June=4.2, July=4.6, Aug.=5.0, Sept.=1.5 Total=20.5

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Mycogen 5N392RR	4	3.9	42	1	66.3**	--	--
Asgrow RY3709	1	3.7	40	1	66.0*	--	--
NK S33-K5 Brand	6	3.3	41	1	65.3*	--	--
G2 Genetics 7383	7	3.8	48	1	61.2*	72.9*	67.1
G2 Genetics 7341	7	3.4	44	1	61.1*	--	--
NK S39-A3 Brand	6	3.9	43	1	60.3*	68.3*	64.3
G2 Genetics 7389	7	3.8	46	2	60.0*	--	--
NK S37-P5 Brand	6	3.7	40	1	59.7*	68.3*	64.0
Stine 3923-4	None	3.9	41	1	59.4*	--	--
Kruger K2-3901	1	3.9	49	2	59.2*	--	--
Taylor Exp381-2R	1	3.8	42	1	59.2*	--	--
Asgrow RY3509	1	3.5	41	1	58.9*	--	--
Taylor Exp371-2R	1	3.7	49	2	58.5	--	--
Midland 3740NR2	10	3.7	46	1	57.9	--	--
Kruger K2-3801	1	3.8	41	1	57.8	--	--
G2 Genetics 7373	7	3.7	38	1	57.5	--	--
Power Plus 34B9	6	3.4	40	1	57.1	--	--
Hubner H398NRR	8,10	3.9	47	1	57.0	--	--
Dyna-Gro Exp 3.8	6	3.8	47	1	57.0	--	--
Hubner H39-01R2	8,10	3.9	46	1	56.9	--	--
Midland 3850NR2	10	3.8	42	1	56.8	--	--
Lewis 3909	11	3.9	48	2	56.7	67.1	61.9
Stone 3A388NRR	6	3.8	43	1	56.7	73.7**	65.2
Willcross 2380NExp	1	3.8	43	1	56.7	--	--
NK S35-T9 Brand	6	3.5	47	1	55.6	69.7*	62.7
NK S37-F7 Brand	6	3.7	42	1	55.4	70.0*	62.7
Morsoy RT 3609N	1	3.6	42	1	54.9	--	--
Asgrow AG3803	6	3.8	46	1	54.9	66.4	60.7
Lewis 380R2	1	3.8	43	1	54.8	--	--
Morsoy RT 3889N	1	3.8	46	1	54.7	--	--
Power Plus 36C0	6	3.6	43	1	54.6	--	--
Willcross 2360NExp	1	3.6	45	1	54.5	--	--
Morsoy RT 3807N	6	3.8	44	1	54.0	70.1*	62.1
Pioneer 93M61	6	3.6	38	1	53.9	68.6*	61.3
Dyna-Gro 32X39	6	3.9	37	1	53.2	68.7*	61.0
Midland 3960NR2	10	3.9	41	1	53.0	--	--
NuTech 7349	6	3.4	43	1	52.8	--	--
Channel 3916R Brand	4	3.9	39	1	52.8	--	--
Stone 3A398NRR	6	3.9	42	1	52.7	65.9	59.3
Dyna-Gro 37P37	6	3.7	43	1	52.3	--	--
Kruger K-384RR/SCN	6	3.8	39	1	51.2	70.5*	60.9
Willcross 2379N	8,11	3.7	38	1	50.9	--	--
Midland 3738NRR	10	3.7	41	1	50.8	72.7*	61.8
Stone 3A378NRR	6	3.7	44	1	50.8	--	--
Morsoy RT 3887N	6	3.8	41	1	50.5	70.8*	60.7

TABLE 16. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Pioneer 93Y70	6	3.7	41	1	48.5	71.0*	59.8
Mycogen 5N370RR	4	3.7	42	1	48.2	--	--
NuTech 7386	6	3.8	36	1	47.8	65.1	56.5
Mycogen 5N382RR	4	3.8	36	1	46.2	--	--
Kruger K-375RR/SCN	6	3.8	38	1	46.2	--	--
Morsoy RT 3858N	6	3.8	42	1	45.6	58.7	52.2
Mycogen 5N383RR	4	3.8	38	1	44.7	--	--
Willcross 2399N	8,11	3.8	39	2	44.2	--	--
NuTech 3909 SRN	6	3.9	43	3	41.9	58.8	50.4
Midland 3920NRS	10	3.9	39	1	41.0	--	--
GROUP 3 AVERAGE			42	1	54.5	65.3	59.9
L.S.D. AT .10					7.7	6.2	
C.V. %					9.8	6.9	
MATURITY GROUP 4							
Willcross 2460NExp	1	4.7	48	1	69.3**	--	--
Kruger K2X45A9	1	4.5	43	1	68.6*	--	--
Kruger K2X44A9	1	4.4	46	1	67.5*	--	--
Kruger K2X43C9	1	4.3	48	1	66.6*	--	--
Midland 4580R2	10	4.5	42	1	65.9*	--	--
Morsoy RT 4457N	6	4.4	43	1	65.0*	60.5	62.8
Kruger K2X43B9	1	4.3	48	2	63.7*	--	--
Asgrow AG4303	6	4.3	46	1	62.9*	65.6*	64.3
Power Plus 41F9	6	4.0	51	1	61.4*	--	--
Fontanelle 80N29	None	4.0	48	1	61.3*	--	--
Midland 4329NRR	10	4.3	48	2	60.9*	68.8*	64.9
Dyna-Gro 38C42	6	4.2	43	1	60.7	65.1	62.9
Pioneer 94Y01	6	4.0	50	2	60.4	67.1*	63.8
G2 Genetics 7479	7	4.7	48	3	60.4	--	--
Dyna-Gro Exp 4.3	6	4.3	48	2	60.3	--	--
Fontanelle Exp441	None	4.4	52	2	59.9	--	--
Kruger K-428RR/SCN	6	4.2	45	2	59.7	61.8	60.8
Lewis 4150	11	4.1	44	1	59.7	--	--
Asgrow AG4005	6	4.0	47	1	59.1	69.3*	64.2
NuTech 4242RN	6	4.2	43	1	58.7	71.9**	65.3
MPG 4509nRR/STS	11	4.5	37	1	58.2	61.3	59.8
Pioneer 94Y20	6	4.2	42	2	58.0	57.9	58.0
NuTech 7479	6	4.7	48	2	57.5	--	--
G2 Genetics 7419	7	4.1	48	2	57.4	--	--
Midland 4289NRS	10	4.2	47	1	56.7	67.2*	62.0
Stine 4392-4	None	4.3	43	1	56.0	63.1	59.6
Lewis 400R2	1	4.0	44	1	55.4	--	--
G2 Genetics 7439S	7	4.3	44	1	55.4	--	--
Fontanelle 407NRRSTS	None	4.0	39	1	55.3	--	--
MPG 4209nRR/STS	11	4.2	46	2	55.0	62.2	58.6
NuTech 7475	6	4.7	42	1	54.9	67.9*	61.4
G2 Genetics 7401	7	4.0	43	1	54.7	--	--
Stine 4282-4	None	4.2	42	1	54.1	--	--
Channel 4119R Brand	4	4.1	44	1	54.0	60.3	57.2
Kruger K2X41A9	1	4.1	44	1	53.1	--	--
Morsoy RT 4485N	6	4.4	48	2	51.8	57.0	54.4
Morsoy RT 4299N	6	4.2	42	1	51.8	--	--

TABLE 16. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Morsoy RT 4707N	6	4.7	45	1	50.0	60.3	55.2
MPG 4310nRR/STS	11	4.3	44	1	49.9	--	--
NK S48-C9 Brand	6	4.8	46	1	49.7	--	--
Kruger K-439RR/SCN	6	4.3	42	1	49.5	59.9	54.7
MPG 4406nRR	11	4.4	52	1	48.2	55.4	51.8
NK S41-R6 Brand	6	4.1	42	1	48.2	54.3	51.3
Willcross 2420NExp	1	4.2	42	1	46.9	--	--
NK S44-D5 Brand	6	4.4	36	1	46.8	59.1	53.0
MPG X-49-1nRR	11	4.2	39	1	46.8	--	--
Asgrow AG4606	6	4.6	47	1	46.8	--	--
Asgrow AG4404	6	4.4	44	1	46.4	60.4	53.4
Midland 4270NR2	10	4.2	46	1	45.2	--	--
Morsoy RT 4126N	6	4.1	46	3	43.9	59.9	51.9
Kruger K2X43A9	1	4.3	52	2	43.1	--	--
NuTech 7425S	6	4.2	42	1	43.0	--	--
Morsoy RT 4249N	1	4.2	36	1	41.8	--	--
GROUP 4 AVERAGE			45	1	55.4	61.3	58.4
L.S.D. AT .10					8.6	6.7	
C.V. %					10.7	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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 17. Glyphosate Resistant Soybean Test

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.9, OM=2.0%, P=56, K=362

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=5.1, June=5.6, July=5.0, Aug.=4.0, Sept.=2.9 Total=22.6

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Asgrow RY3709	1	3.7	27	1	69.2**	--	--
Kruger K-384RR/SCN	6	3.8	30	1	68.1*	57.2	62.7
Willcross 2399N	8,11	3.8	27	1	68.0*	--	--
G2 Genetics 7389	7	3.8	27	1	67.4*	--	--
NK S35-T9 Brand	6	3.5	32	1	67.4*	59.0*	63.2
NK S37-F7 Brand	6	3.7	27	1	67.0*	58.9*	63.0
Kruger K2-3901	1	3.9	34	1	66.7*	--	--
Midland 3920NRS	10	3.9	25	1	66.6*	--	--
NuTech 7349	6	3.4	33	1	66.5*	--	--
NK S39-A3 Brand	6	3.9	27	1	66.3*	60.5*	63.4
Midland 3738NRR	10	3.7	35	1	66.0*	56.9	61.5
Midland 3960NR2	10	3.9	25	1	65.9*	--	--
Morsoy RT 3858N	6	3.8	26	1	65.6*	54.4	60.0
G2 Genetics 7373	7	3.7	25	1	65.6*	--	--
Hubner H39-01R2	8,10	3.9	32	1	65.3*	--	--
NK S37-P5 Brand	6	3.7	28	1	64.7*	55.6	60.2
Pioneer 93Y70	6	3.7	30	1	64.3*	56.4	60.4
Power Plus 34B9	6	3.4	25	1	64.1*	--	--
Dyna-Gro 37P37	6	3.7	27	1	64.0*	--	--
Stone 3A378NRR	6	3.7	24	1	63.8*	--	--
Morsoy RT 3807N	6	3.8	27	1	63.7*	61.7*	62.7
Mycogen 5N392RR	4	3.9	31	1	63.5	--	--
Channel 3916R Brand	4	3.9	29	1	63.3	--	--
Lewis 3909	11	3.9	32	1	63.1	58.4*	60.8
Hubner H398NRR	8,10	3.9	29	1	63.1	--	--
Stone 3A388NRR	6	3.8	33	1	63.0	60.9*	62.0
Asgrow AG3803	6	3.8	33	1	62.7	59.7*	61.2
Taylor Exp371-2R	1	3.7	32	1	62.6	--	--
Willcross 2380NExp	1	3.8	32	1	62.5	--	--
Mycogen 5N382RR	4	3.8	26	1	62.5	--	--
Midland 3850NR2	10	3.8	30	1	62.3	--	--
Morsoy RT 3609N	1	3.6	31	1	62.3	--	--
Kruger K-375RR/SCN	6	3.8	25	1	62.1	--	--
Stone 3A398NRR	6	3.9	27	1	61.7	53.3	57.5
Midland 3740NR2	10	3.7	31	1	61.6	--	--
Stine 3923-4	None	3.9	30	1	61.4	--	--
Dyna-Gro Exp 3.8	6	3.8	33	1	61.4	--	--
NuTech 7386	6	3.8	23	1	61.3	53.9	57.6
Taylor Exp381-2R	1	3.8	30	1	60.8	--	--
NK S33-K5 Brand	6	3.3	29	1	60.8	--	--
G2 Genetics 7383	7	3.8	30	1	60.6	57.9	59.3
Morsoy RT 3887N	6	3.8	25	1	60.3	55.2	57.8
NuTech 3909 SRN	6	3.9	25	1	60.0	53.6	56.8
Willcross 2379N	8,11	3.7	27	1	59.8	--	--
Asgrow RY3509	1	3.5	27	1	59.8	--	--

TABLE 17. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Willcross 2360NExp	1	3.6	30	1	59.3	--	--
Mycogen 5N383RR	4	3.8	28	1	59.2	--	--
Pioneer 93M61	6	3.6	27	1	58.9	55.2	57.1
G2 Genetics 7341	7	3.4	26	1	58.9	--	--
Power Plus 36C0	6	3.6	26	1	58.0	--	--
Kruger K2-3801	1	3.8	28	1	57.3	--	--
Morsoy RT 3889N	1	3.8	29	1	57.1	--	--
Lewis 380R2	1	3.8	27	1	57.1	--	--
Dyna-Gro 32X39	6	3.9	26	1	55.7	51.1	53.4
Mycogen 5N370RR	4	3.7	22	1	45.3	--	--
GROUP 3 AVERAGE			28	1	62.5	55.2	58.9
L.S.D. AT .10					5.5	4.0	
C.V. %					6.3	5.1	
MATURITY GROUP 4							
Kruger K2X45A9	1	4.5	29	1	72.4**	--	--
Willcross 2460NExp	1	4.7	29	1	72.4**	--	--
Dyna-Gro Exp 4.3	6	4.3	30	1	70.9*	--	--
Midland 4580R2	10	4.5	28	1	70.7*	--	--
Kruger K2X44A9	1	4.4	29	1	70.5*	--	--
MPG 4310nRR/STS	11	4.3	29	1	69.4*	--	--
Midland 4329NRR	10	4.3	30	1	69.4*	66.5*	68.0
Kruger K-439RR/SCN	6	4.3	27	1	68.9*	55.8	62.4
Fontanelle 407NRRSTS	None	4.0	31	1	68.5*	--	--
G2 Genetics 7439S	7	4.3	26	1	68.3*	--	--
Morsoy RT 4299N	6	4.2	29	1	68.2*	--	--
NuTech 7425S	6	4.2	28	1	66.9	--	--
Asgrow AG4303	6	4.3	28	1	66.9	61.7	64.3
Kruger K2X43C9	1	4.3	31	1	65.4	--	--
Lewis 4150	11	4.1	28	1	65.3	--	--
G2 Genetics 7479	7	4.7	36	1	65.0	--	--
Morsoy RT 4126N	6	4.1	30	1	64.8	58.3	61.6
Power Plus 41F9	6	4.0	30	1	64.8	--	--
Lewis 400R2	1	4.0	33	1	64.3	--	--
G2 Genetics 7401	7	4.0	33	1	64.0	--	--
Pioneer 94Y20	6	4.2	29	1	63.9	57.4	60.7
Morsoy RT 4457N	6	4.4	26	1	63.7	60.0	61.9
NK S44-D5 Brand	6	4.4	29	1	63.6	54.9	59.3
Asgrow AG4005	6	4.0	30	1	63.3	59.3	61.3
Kruger K2X41A9	1	4.1	29	1	63.1	--	--
Channel 4119R Brand	4	4.1	29	1	63.1	63.5	63.3
Morsoy RT 4707N	6	4.7	35	1	62.9	67.4*	65.2
Midland 4270NR2	10	4.2	26	1	62.9	--	--
Fontanelle 80N29	None	4.0	36	2	62.6	--	--
MPG 4209nRR/STS	11	4.2	29	1	62.4	66.2*	64.3
Dyna-Gro 38C42	6	4.2	31	1	62.3	58.5	60.4
NuTech 7479	6	4.7	37	1	62.1	--	--
Pioneer 94Y01	6	4.0	33	2	62.0	59.4	60.7
Kruger K2X43A9	1	4.3	34	1	62.0	--	--
MPG 4406nRR	11	4.4	37	1	61.3	61.8	61.6
Fontanelle Exp441	None	4.4	32	1	60.6	--	--
Midland 4289NRS	10	4.2	27	1	60.3	58.0	59.2

TABLE 17. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
NK S48-C9 Brand	6	4.8	34	1	60.2	--	--
NuTech 7475	6	4.7	28	1	60.1	61.5	60.8
Willcross 2420NExp	1	4.2	27	1	60.1	--	--
Asgrow AG4404	6	4.4	30	1	60.0	58.6	59.3
G2 Genetics 7419	7	4.1	30	1	60.0	--	--
MPG 4509nRR/STS	11	4.5	23	1	59.6	64.8*	62.2
MPG X-49-1nRR	11	4.2	23	1	59.2	--	--
Stine 4282-4	None	4.2	29	1	59.0	--	--
Kruger K-428RR/SCN	6	4.2	29	1	58.8	54.1	56.5
NuTech 4242RN	6	4.2	27	1	58.6	62.1	60.4
Stine 4392-4	None	4.3	26	1	58.4	57.9	58.2
Kruger K2X43B9	1	4.3	36	1	57.5	--	--
Morsoy RT 4485N	6	4.4	35	1	57.5	60.6	59.1
Morsoy RT 4249N	1	4.2	26	1	57.1	--	--
NK S41-R6 Brand	6	4.1	24	1	56.3	56.0	56.2
Asgrow AG4606	6	4.6	33	1	53.3	--	--
GROUP 4 AVERAGE			30	1	63.3	59.9	61.6
L.S.D. AT .10					5.2	4.1	
C.V. %					5.8	4.8	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 18. Glyphosate Resistant Soybean Test

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.7, OM=2.1%, P=78, K=374

Cyst Nematode Population at Planting: 471 Eggs/100cc of Soil

Rainfall: May=5.8, June=8.2, July=5.7, Aug.=3.8, Sept.=3.8 Total=27.3

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Hubner H39-01R2	8,10	3.9	33	1	60.6**	--	--
Mycogen 5N392RR	4	3.9	31	1	58.4*	--	--
Stone 3A378NRR	6	3.7	29	1	58.1*	--	--
Midland 3850NR2	10	3.8	27	1	57.9*	--	--
Taylor Exp371-2R	1	3.7	31	1	57.7*	--	--
Lewis 3909	11	3.9	26	1	57.2*	65.7	61.5
Taylor Exp381-2R	1	3.8	30	1	57.2*	--	--
Willcross 2380NExp	1	3.8	31	1	57.2*	--	--
NK S39-A3 Brand	6	3.9	28	1	57.0*	78.0**	67.5
Asgrow AG3803	6	3.8	28	1	57.0*	72.7	64.9
Stine 3923-4	None	3.9	30	1	56.8*	--	--
G2 Genetics 7373	7	3.7	26	1	56.5*	--	--
Asgrow RY3709	1	3.7	22	1	56.4*	--	--
Kruger K2-3901	1	3.9	31	1	56.4*	--	--
Dyna-Gro Exp 3.8	6	3.8	28	1	56.3*	--	--
G2 Genetics 7341	7	3.4	28	1	56.3*	--	--
G2 Genetics 7389	7	3.8	28	1	56.1*	--	--
Kruger K-384RR/SCN	6	3.8	26	1	56.1*	68.5	62.3
NK S35-T9 Brand	6	3.5	26	1	56.0*	75.9*	66.0
Mycogen 5N383RR	4	3.8	29	1	55.9*	--	--
Pioneer 93Y70	6	3.7	32	1	55.6	77.1*	66.4
Stone 3A388NRR	6	3.8	29	1	55.2	70.3	62.8
Morsoy RT 3609N	1	3.6	29	1	55.0	--	--
Hubner H398NRR	8,10	3.9	29	1	54.9	--	--
Midland 3960NR2	10	3.9	27	1	54.8	--	--
Dyna-Gro 32X39	6	3.9	31	1	54.6	71.7	63.2
Morsoy RT 3807N	6	3.8	27	1	54.5	72.3	63.4
NK S37-P5 Brand	6	3.7	29	1	54.5	69.5	62.0
NK S33-K5 Brand	6	3.3	27	1	54.1	--	--
Asgrow RY3509	1	3.5	28	1	54.1	--	--
Morsoy RT 3858N	6	3.8	29	1	54.0	72.7	63.4
Midland 3738NRR	10	3.7	27	1	53.8	65.6	59.7
NK S37-F7 Brand	6	3.7	28	1	53.6	74.2*	63.9
Channel 3916R Brand	4	3.9	28	1	53.6	--	--
Midland 3740NR2	10	3.7	29	1	53.5	--	--
Willcross 2379N	8,11	3.7	26	1	53.2	--	--
Lewis 380R2	1	3.8	27	1	53.1	--	--
Midland 3920NRS	10	3.9	26	1	53.1	--	--
Willcross 2360NExp	1	3.6	32	1	52.7	--	--
Stone 3A398NRR	6	3.9	26	1	52.3	68.7	60.5
Pioneer 93M61	6	3.6	26	1	52.3	68.4	60.4
G2 Genetics 7383	7	3.8	29	1	52.0	71.3	61.7
Willcross 2399N	8,11	3.8	22	1	51.9	--	--
Power Plus 34B9	6	3.4	23	1	51.7	--	--
Morsoy RT 3887N	6	3.8	28	1	51.7	74.3*	63.0

TABLE 18. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Morsoy RT 3889N	1	3.8	28	1	51.5	--	--
Kruger K-375RR/SCN	6	3.8	30	1	51.2	--	--
Mycogen 5N382RR	4	3.8	25	1	50.8	--	--
Kruger K2-3801	1	3.8	24	1	50.5	--	--
NuTech 7386	6	3.8	28	1	50.0	70.7	60.4
Dyna-Gro 37P37	6	3.7	24	1	49.5	--	--
Power Plus 36C0	6	3.6	30	1	49.1	--	--
NuTech 7349	6	3.4	25	1	49.0	--	--
NuTech 3909 SRN	6	3.9	24	1	48.2	69.4	58.8
Mycogen 5N370RR	4	3.7	30	1	45.2	--	--
GROUP 3 AVERAGE			28	1	54.1	69.2	61.7
L.S.D. AT .10					4.9	5.1	
C.V. %					6.7	5.3	
MATURITY GROUP 4							
Kruger K2X41A9	1	4.1	29	1	63.0**	--	--
Dyna-Gro Exp 4.3	6	4.3	30	1	62.4*	--	--
Kruger K2X45A9	1	4.5	30	1	61.6*	--	--
Lewis 4150	11	4.1	33	1	61.4*	--	--
Willcross 2460NExp	1	4.7	32	1	61.0*	--	--
Midland 4580R2	10	4.5	32	1	60.5*	--	--
Kruger K2X44A9	1	4.4	31	1	59.2*	--	--
Morsoy RT 4457N	6	4.4	30	1	59.0*	71.3	65.2
G2 Genetics 7419	7	4.1	32	1	59.0*	--	--
Kruger K-428RR/SCN	6	4.2	31	1	58.9*	69.5	64.2
MPG 4209nRR/STS	11	4.2	30	1	58.6*	75.7*	67.1
Kruger K2X43A9	1	4.3	33	1	58.0	--	--
Fontanelle 407NRRSTS	None	4.0	31	1	57.7	--	--
NK S41-R6 Brand	6	4.1	28	1	57.3	67.8	62.6
Midland 4329NRR	10	4.3	30	2	57.1	75.6*	66.4
Kruger K2X43C9	1	4.3	33	1	56.8	--	--
Pioneer 94Y20	6	4.2	28	1	56.8	71.0	63.9
Willcross 2420NExp	1	4.2	32	1	56.5	--	--
Kruger K2X43B9	1	4.3	32	1	56.5	--	--
NuTech 7425S	6	4.2	27	1	56.2	--	--
MPG 4406nRR	11	4.4	28	1	56.0	71.2	63.6
Fontanelle 80N29	None	4.0	32	1	55.9	--	--
Asgrow AG4303	6	4.3	26	1	55.9	79.4*	67.7
Morsoy RT 4299N	6	4.2	27	1	55.9	--	--
MPG X-49-1nRR	11	4.2	27	1	55.7	--	--
Lewis 400R2	1	4.0	33	1	55.7	--	--
Asgrow AG4005	6	4.0	28	1	55.7	70.7	63.2
MPG 4509nRR/STS	11	4.5	25	1	55.5	74.6	65.1
Morsoy RT 4707N	6	4.7	34	1	55.4	69.3	62.4
Power Plus 41F9	6	4.0	34	1	55.4	--	--
NK S44-D5 Brand	6	4.4	28	1	55.3	70.8	63.1
G2 Genetics 7479	7	4.7	35	1	55.2	--	--
Morsoy RT 4126N	6	4.1	29	1	55.2	77.0*	66.1
Midland 4270NR2	10	4.2	27	1	54.9	--	--
NuTech 4242RN	6	4.2	30	1	54.5	71.4	63.0
Kruger K-439RR/SCN	6	4.3	27	1	54.4	63.6	59.0
G2 Genetics 7439S	7	4.3	30	1	54.3	--	--

TABLE 18. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Fontanelle Exp441	None	4.4	33	1	54.3	--	--
NuTech 7479	6	4.7	34	1	54.2	--	--
Pioneer 94Y01	6	4.0	33	1	54.0	71.4	62.7
MPG 4310nRR/STS	11	4.3	27	1	54.0	--	--
NuTech 7475	6	4.7	28	1	54.0	74.5	64.3
G2 Genetics 7401	7	4.0	26	1	53.8	--	--
Morsoy RT 4249N	1	4.2	29	1	53.6	--	--
Midland 4289NRS	10	4.2	29	1	53.3	70.2	61.8
Stine 4392-4	None	4.3	28	1	52.6	74.7	63.7
Dyna-Gro 38C42	6	4.2	30	1	52.1	68.2	60.2
NK S48-C9 Brand	6	4.8	30	1	51.8	--	--
Asgrow AG4606	6	4.6	34	1	51.2	--	--
Asgrow AG4404	6	4.4	31	1	50.9	67.9	59.4
Channel 4119R Brand	4	4.1	27	1	50.7	69.8	60.3
Stine 4282-4	None	4.2	30	1	50.3	--	--
Morsoy RT 4485N	6	4.4	36	2	50.1	71.0	60.6
GROUP 4 AVERAGE			30	1	55.8	71.7	63.8
L.S.D. AT .10					4.7	5.4	
C.V. %					6.1	5.3	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 19. Glyphosate Resistant Soybean Test

Central Region: Annada, MO (Pike County)

Soil Type: Tice Silt Loam Soil Test: pH=5.2, OM=1.8%, P=24, K=214

Cyst Nematode Population at Planting: 466 Eggs/100cc of Soil

Rainfall: May=4.9, June=5.2, July=5.6, Aug.=5.2, Sept.=3.0 Total=23.9

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Pioneer 93M61	6	3.6	33	1	55.4**	49.2*	52.3
Stine 3923-4	None	3.9	32	1	54.6*	--	--
Stone 3A398NRR	6	3.9	35	1	54.6*	53.4*	54.0
Power Plus 34B9	6	3.4	32	1	54.2*	--	--
Mycogen 5N392RR	4	3.9	31	1	53.8*	--	--
NK S35-T9 Brand	6	3.5	33	1	53.5*	49.1*	51.3
Midland 3738NRR	10	3.7	38	1	53.4*	38.6	46.0
Hubner H39-01R2	8,10	3.9	39	1	53.4*	--	--
Stone 3A378NRR	6	3.7	33	1	53.3*	--	--
G2 Genetics 7383	7	3.8	36	1	53.1*	44.1	48.6
Lewis 3909	11	3.9	33	1	53.0*	47.9*	50.5
NuTech 7349	6	3.4	32	1	52.6*	--	--
G2 Genetics 7389	7	3.8	37	1	52.6*	--	--
NK S37-F7 Brand	6	3.7	36	1	52.5*	47.9*	50.2
Midland 3740NR2	10	3.7	36	1	52.3*	--	--
Lewis 380R2	1	3.8	34	1	52.3*	--	--
NK S37-P5 Brand	6	3.7	35	1	52.2*	54.0*	53.1
Morsoy RT 3807N	6	3.8	35	1	52.1*	50.4*	51.3
Dyna-Gro Exp 3.8	6	3.8	37	1	51.8*	--	--
Taylor Exp381-2R	1	3.8	36	1	51.6*	--	--
Hubner H398NRR	8,10	3.9	33	1	51.6*	--	--
Dyna-Gro 32X39	6	3.9	36	1	51.6*	54.4*	53.0
G2 Genetics 7373	7	3.7	32	1	51.5*	--	--
G2 Genetics 7341	7	3.4	33	1	51.5*	--	--
Kruger K2-3901	1	3.9	36	1	51.4	--	--
NK S33-K5 Brand	6	3.3	32	1	51.3	--	--
Dyna-Gro 37P37	6	3.7	36	1	51.3	--	--
Asgrow AG3803	6	3.8	32	1	51.1	54.1*	52.6
Midland 3850NR2	10	3.8	34	1	50.9	--	--
Stone 3A388NRR	6	3.8	36	1	50.8	48.8*	49.8
Morsoy RT 3889N	1	3.8	33	1	50.8	--	--
Willcross 2380NExp	1	3.8	36	1	50.8	--	--
Asgrow RY3709	1	3.7	33	1	50.6	--	--
Willcross 2360NExp	1	3.6	35	1	50.5	--	--
Channel 3916R Brand	4	3.9	30	1	50.4	--	--
Kruger K2-3801	1	3.8	40	1	50.1	--	--
Taylor Exp371-2R	1	3.7	38	1	50.0	--	--
Power Plus 36C0	6	3.6	30	1	49.7	--	--
Kruger K-384RR/SCN	6	3.8	32	1	49.6	52.2*	50.9
Midland 3960NR2	10	3.9	33	1	49.6	--	--
Morsoy RT 3887N	6	3.8	33	1	49.3	53.5*	51.4
Kruger K-375RR/SCN	6	3.8	32	1	49.3	--	--
NuTech 7386	6	3.8	33	1	49.2	44.6	46.9
NK S39-A3 Brand	6	3.9	32	1	49.1	57.0**	53.1
Pioneer 93Y70	6	3.7	32	1	48.9	40.9	44.9

TABLE 19. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Morsoy RT 3609N	1	3.6	40	1	48.2	--	--
Mycogen 5N382RR	4	3.8	34	1	48.1	--	--
Willcross 2399N	8,11	3.8	37	1	47.9	--	--
Morsoy RT 3858N	6	3.8	31	1	47.5	40.2	43.9
Asgrow RY3509	1	3.5	30	1	47.3	--	--
Mycogen 5N383RR	4	3.8	32	1	46.9	--	--
Willcross 2379N	8,11	3.7	33	1	46.8	--	--
Mycogen 5N370RR	4	3.7	37	1	46.4	--	--
Midland 3920NRS	10	3.9	36	1	45.0	--	--
NuTech 3909 SRN	6	3.9	34	1	44.2	39.3	41.8
GROUP 3 AVERAGE			34	1	50.8	43.6	47.2
L.S.D. AT .10					3.9	9.4	
C.V. %					5.5	14.9	
MATURITY GROUP 4							
Kruger K-428RR/SCN	6	4.2	37	1	57.0**	43.5	50.3
Fontanelle 80N29	None	4.0	36	1	56.4*	--	--
Kruger K2X44A9	1	4.4	38	1	56.2*	--	--
Kruger K-439RR/SCN	6	4.3	33	1	55.9*	38.6	47.3
Pioneer 94Y01	6	4.0	36	1	55.9*	53.3*	54.6
Lewis 4150	11	4.1	40	1	55.2*	--	--
Power Plus 41F9	6	4.0	38	1	55.2*	--	--
G2 Genetics 7439S	7	4.3	30	1	55.0*	--	--
Kruger K2X43B9	1	4.3	40	2	54.8*	--	--
MPG 4209nRR/STS	11	4.2	34	1	54.8*	46.5	50.7
Dyna-Gro Exp 4.3	6	4.3	36	1	54.6*	--	--
Fontanelle Exp441	None	4.4	39	2	54.5*	--	--
Asgrow AG4005	6	4.0	36	1	54.4*	54.4*	54.4
Kruger K2X45A9	1	4.5	36	1	54.1*	--	--
Midland 4329NRR	10	4.3	35	1	54.1*	48.5*	51.3
G2 Genetics 7401	7	4.0	38	1	54.1*	--	--
Midland 4580R2	10	4.5	31	1	53.9*	--	--
Fontanelle 407NRRSTS	None	4.0	36	1	53.9*	--	--
NuTech 7425S	6	4.2	35	1	53.9*	--	--
Morsoy RT 4457N	6	4.4	41	1	53.8*	50.0*	51.9
Midland 4270NR2	10	4.2	30	1	53.8*	--	--
G2 Genetics 7419	7	4.1	38	1	53.8*	--	--
Willcross 2460NExp	1	4.7	40	1	53.7*	--	--
Lewis 400R2	1	4.0	38	1	53.3*	--	--
MPG 4509nRR/STS	11	4.5	32	1	53.3*	51.9*	52.6
G2 Genetics 7479	7	4.7	35	1	53.2*	--	--
MPG 4310nRR/STS	11	4.3	33	1	53.1*	--	--
Asgrow AG4303	6	4.3	31	1	53.1*	54.8**	54.0
Kruger K2X43C9	1	4.3	36	1	52.9*	--	--
Willcross 2420NExp	1	4.2	31	1	52.8*	--	--
Channel 4119R Brand	4	4.1	34	1	52.8*	50.4*	51.6
MPG X-49-1nRR	11	4.2	33	1	52.5*	--	--
Kruger K2X43A9	1	4.3	40	1	52.2*	--	--
Morsoy RT 4126N	6	4.1	34	1	51.5*	34.5	43.0
Morsoy RT 4299N	6	4.2	33	1	51.3*	--	--
NK S41-R6 Brand	6	4.1	33	1	51.2*	39.4	45.3
NuTech 7475	6	4.7	30	1	50.9*	50.0*	50.5

TABLE 19. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
NuTech 7479	6	4.7	38	2	50.8	--	--
Kruger K2X41A9	1	4.1	37	1	50.6	--	--
Pioneer 94Y20	6	4.2	38	1	50.5	44.9	47.7
NK S44-D5 Brand	6	4.4	34	1	50.0	42.2	46.1
Dyna-Gro 38C42	6	4.2	32	1	49.6	44.3	47.0
MPG 4406nRR	11	4.4	39	1	49.1	35.0	42.1
NK S48-C9 Brand	6	4.8	36	1	48.5	--	--
Asgrow AG4606	6	4.6	38	1	48.1	--	--
Morsoy RT 4707N	6	4.7	37	1	48.0	44.1	46.1
NuTech 4242RN	6	4.2	37	1	47.8	45.8	46.8
Stine 4282-4	None	4.2	35	1	47.0	--	--
Asgrow AG4404	6	4.4	36	1	46.2	30.9	38.6
Stine 4392-4	None	4.3	32	1	45.9	48.2*	47.1
Morsoy RT 4485N	6	4.4	38	2	45.1	43.8	44.5
Morsoy RT 4249N	1	4.2	35	1	44.0	--	--
Midland 4289NRS	10	4.2	34	1	43.5	47.6*	45.6
GROUP 4 AVERAGE			36	1	52.0	43.8	47.9
L.S.D. AT .10					6.1	7.3	
C.V. %					8.5	11.4	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 20. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Central Missouri locations (Henrietta, Grand Pass, Columbia, Truxton, Annada) during 2009.

<u>Henrietta</u> Planted: 05-06 Harvested: 09-30 Growing Season Rainfall: 26.2	<u>Grand Pass</u> Planted: 5-20 Harvested: 10-07 Growing Season Rainfall: 20.5	<u>Columbia</u> Planted: 05-19 Harvested: 09-29,11-07 Growing Season Rainfall: 22.6
<u>Truxton</u> Planted: 06-20 Harvested: 11-03 Growing Season Rainfall: 27.3	<u>Annada</u> Planted: 06-22 Harvested: 11-14 Growing Season Rainfall: 23.9	

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
MATURITY GROUP 3						
Asgrow RY3709	61.4*	66.0*	69.2**	56.4*	50.6	60.7**
G2 Genetics 7389	65.6**	60.0*	67.4*	56.1*	52.6*	60.3*
Hubner H39-01R2	57.5*	56.9	65.3*	60.6**	53.4*	58.7*
Kruger K2-3901	59.1*	59.2*	66.7*	56.4*	51.4	58.6*
NK S37-F7 Brand	64.2*	55.4	67.0*	53.6	52.5*	58.5*
Stine 3923-4	60.1*	59.4*	61.4	56.8*	54.6*	58.4*
Mycogen 5N392RR	49.9	66.3**	63.5	58.4*	53.8*	58.4*
NK S39-A3 Brand	58.5*	60.3*	66.3*	57.0*	49.1	58.2*
G2 Genetics 7373	59.6*	57.5	65.6*	56.5*	51.5*	58.1*
G2 Genetics 7383	63.5*	61.2*	60.6	52.0	53.1*	58.1*
G2 Genetics 7341	61.6*	61.1*	58.9	56.3*	51.5*	57.9*
Power Plus 34B9	62.0*	57.1	64.1*	51.7	54.2*	57.8*
NK S35-T9 Brand	56.1	55.6	67.4*	56.0*	53.5*	57.7
Lewis 3909	57.7*	56.7	63.1	57.2*	53.0*	57.5
NK S37-P5 Brand	54.9	59.7*	64.7*	54.5	52.2*	57.2
NK S33-K5 Brand	52.8	65.3*	60.8	54.1	51.3	56.8
Stone 3A388NRR	56.5	56.7	63.0	55.2	50.8	56.4
Stone 3A398NRR	60.3*	52.7	61.7	52.3	54.6*	56.3
Hubner H398NRR	54.4	57.0	63.1	54.9	51.6*	56.2
Asgrow AG3803	54.3	54.9	62.7	57.0*	51.1	56.0
Willcross 2380NExp	52.3	56.7	62.5	57.2*	50.8	55.9
Taylor Exp371-2R	50.4	58.5	62.6	57.7*	50.0	55.8
Midland 3740NR2	52.8	57.9	61.6	53.5	52.3*	55.6
Midland 3960NR2	53.6	53.0	65.9*	54.8	49.6	55.4
Kruger K-384RR/SCN	51.3	51.2	68.1*	56.1*	49.6	55.2
Dyna-Gro Exp 3.8	49.6	57.0	61.4	56.3*	51.8*	55.2
Channel 3916R Brand	55.6	52.8	63.3	53.6	50.4	55.1
NuTech 7349	54.7	52.8	66.5*	49.0	52.6*	55.1
Stone 3A378NRR	48.6	50.8	63.8*	58.1*	53.3*	54.9
Midland 3738NRR	50.5	50.8	66.0*	53.8	53.4*	54.9
Pioneer 93M61	53.8	53.9	58.9	52.3	55.4**	54.9
Asgrow RY3509	53.7	58.9*	59.8	54.1	47.3	54.8
Lewis 380R2	55.9	54.8	57.1	53.1	52.3*	54.6
Willcross 2360NExp	56.1	54.5	59.3	52.7	50.5	54.6
Pioneer 93Y70	55.5	48.5	64.3*	55.6	48.9	54.6
Taylor Exp381-2R	43.7	59.2*	60.8	57.2*	51.6*	54.5
Morsoy RT 3807N	48.0	54.0	63.7*	54.5	52.1*	54.4
Power Plus 36C0	59.1*	54.6	58.0	49.1	49.7	54.1
Morsoy RT 3609N	49.6	54.9	62.3	55.0	48.2	54.0
Kruger K2-3801	53.1	57.8	57.3	50.5	50.1	53.8

Table 20. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
Dyna-Gro 37P37	49.5	52.3	64.0*	49.5	51.3	53.3
Midland 3850NR2	38.6	56.8	62.3	57.9*	50.9	53.3
Willcross 2399N	52.8	44.2	68.0*	51.9	47.9	53.0
Dyna-Gro 32X39	48.3	53.2	55.7	54.6	51.6*	52.7
Morsoy RT 3887N	51.4	50.5	60.3	51.7	49.3	52.6
Kruger K-375RR/SCN	54.0	46.2	62.1	51.2	49.3	52.6
Morsoy RT 3889N	48.7	54.7	57.1	51.5	50.8	52.6
Morsoy RT 3858N	49.9	45.6	65.6*	54.0	47.5	52.5
Midland 3920NRS	53.4	41.0	66.6*	53.1	45.0	51.8
Mycogen 5N383RR	51.5	44.7	59.2	55.9*	46.9	51.6
NuTech 7386	47.6	47.8	61.3	50.0	49.2	51.2
Willcross 2379N	44.3	50.9	59.8	53.2	46.8	51.0
Mycogen 5N382RR	45.1	46.2	62.5	50.8	48.1	50.5
NuTech 3909 SRN	46.9	41.9	60.0	48.2	44.2	48.2
Mycogen 5N370RR	47.5	48.2	45.3	45.2	46.4	46.5
GROUP 3 AVERAGE	53.6	54.5	62.5	54.1	50.8	55.1
L.S.D. AT .10	8.2	7.7	5.5	4.9	3.9	2.8
C.V. %	10.5	9.8	6.3	6.7	5.5	7.8

MATURITY GROUP 4

Kruger K2X45A9	57.6*	68.6*	72.4**	61.6*	54.1*	62.8*
Willcross 2460NExp	57.8*	69.3**	72.4**	61.0*	53.7*	62.8*
Midland 4580R2	58.2*	65.9*	70.7*	60.5*	53.9*	61.8*
Kruger K2X44A9	53.0	67.5*	70.5*	59.2*	56.2*	61.3*
Kruger K2X43C9	57.5*	66.6*	65.4	56.8	52.9*	59.8
Midland 4329NRR	56.9*	60.9*	69.4*	57.1	54.1*	59.7
Dyna-Gro Exp 4.3	49.9	60.3	70.9*	62.4*	54.6*	59.6
Asgrow AG4303	57.3*	62.9*	66.9	55.9	53.1*	59.2
Morsoy RT 4457N	54.0	65.0*	63.7	59.0*	53.8*	59.1
Lewis 4150	53.4	59.7	65.3	61.4*	55.2*	59.0
Pioneer 94Y01	62.5**	60.4	62.0	54.0	55.9*	59.0
Power Plus 41F9	57.1*	61.4*	64.8	55.4	55.2*	58.8
Kruger K2X43B9	57.5*	63.7*	57.5	56.5	54.8*	58.0
Pioneer 94Y20	57.7*	58.0	63.9	56.8	50.5	57.4
Asgrow AG4005	54.1*	59.1	63.3	55.7	54.4*	57.3
G2 Genetics 7479	52.4	60.4	65.0	55.2	53.2*	57.2
Fontanelle 407NRRSTS	50.5	55.3	68.5*	57.7	53.9*	57.2
Kruger K-439RR/SCN	56.9*	49.5	68.9*	54.4	55.9*	57.1
Fontanelle Exp441	56.0*	59.9	60.6	54.3	54.5*	57.0
Fontanelle 80N29	48.7	61.3*	62.6	55.9	56.4*	57.0
G2 Genetics 7439S	51.8	55.4	68.3*	54.3	55.0*	57.0
G2 Genetics 7419	54.0	57.4	60.0	59.0*	53.8*	56.8
Morsoy RT 4299N	56.6*	51.8	68.2*	55.9	51.3*	56.8
G2 Genetics 7401	57.0*	54.7	64.0	53.8	54.1*	56.7
Dyna-Gro 38C42	56.4*	60.7	62.3	52.1	49.6	56.2
Lewis 400R2	51.9	55.4	64.3	55.7	53.3*	56.1
Kruger K2X41A9	50.1	53.1	63.1	63.0**	50.6	56.0
NuTech 7479	54.7*	57.5	62.1	54.2	50.8	55.8
Kruger K-428RR/SCN	44.6	59.7	58.8	58.9*	57.0**	55.8

Table 20. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
MPG 4209nRR/STS	47.1	55.0	62.4	58.6*	54.8*	55.6
MPG 4310nRR/STS	50.9	49.9	69.4*	54.0	53.1*	55.5
MPG 4509nRR/STS	49.1	58.2	59.6	55.5	53.3*	55.1
NuTech 4242RN	52.6	58.7	58.6	54.5	47.8	54.4
NuTech 7425S	48.8	43.0	66.9	56.2	53.9*	53.8
NK S44-D5 Brand	52.8	46.8	63.6	55.3	50.0	53.7
Stine 4392-4	53.0	56.0	58.4	52.6	45.9	53.2
Channel 4119R Brand	44.9	54.0	63.1	50.7	52.8*	53.1
Morsoy RT 4707N	49.1	50.0	62.9	55.4	48.0	53.1
MPG 4406nRR	48.8	48.2	61.3	56.0	49.1	52.7
NuTech 7475	43.3	54.9	60.1	54.0	50.9*	52.6
NK S41-R6 Brand	49.4	48.2	56.3	57.3	51.2*	52.5
Kruger K2X43A9	44.2	43.1	62.0	58.0	52.2*	51.9
Midland 4270NR2	42.5	45.2	62.9	54.9	53.8*	51.9
Willcross 2420NExp	42.1	46.9	60.1	56.5	52.8*	51.7
Morsoy RT 4126N	42.9	43.9	64.8	55.2	51.5*	51.7
NK S48-C9 Brand	47.8	49.7	60.2	51.8	48.5	51.6
Midland 4289NRS	43.9	56.7	60.3	53.3	43.5	51.5
Stine 4282-4	47.0	54.1	59.0	50.3	47.0	51.5
MPG X-49-1nRR	39.7	46.8	59.2	55.7	52.5*	50.8
Asgrow AG4404	48.6	46.4	60.0	50.9	46.2	50.4
Asgrow AG4606	47.9	46.8	53.3	51.2	48.1	49.4
Morsoy RT 4485N	34.4	51.8	57.5	50.1	45.1	47.8
Morsoy RT 4249N	41.0	41.8	57.1	53.6	44.0	47.5
GROUP 4 AVERAGE	50.9	55.4	63.3	55.8	52.0	55.5
L.S.D. AT .10	8.4	8.6	5.2	4.7	6.1	3.0
C.V. %	11.5	10.7	5.8	6.1	8.5	8.5

** 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.

TABLE 21. Non-Glyphosate Resistant / Special Traits Soybean Test

Central Region: Henrietta, MO (Ray County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.1, OM=1.5%, P=78, K=422

Cyst Nematode Population at Planting: 0 Eggs/100cc of Soil

Rainfall: May=5.3, June=6.8, July=5.8, Aug.=6.8, Sept.=1.5 Total=26.2

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2 Yr. Mean	
					-----bu/acre-----		
HYC 4	--	3.9	41	1	66.3**	--	--
HYC 6	--	4.0	44	1	66.0*	--	--
MU Exp 3901	2,9	3.9	43	1	65.1*	--	--
Morsoy 3919N	11	3.9	42	1	62.0*	--	--
SS 10L.39N	11	3.9	42	2	61.7*	--	--
Emerge 477.TCS	6	4.7	42	1	60.0*	--	--
MPG X-45-1	11	4.5	51	1	58.8*	--	--
HYC 5	--	3.8	37	1	56.0	--	--
Emerge 435.TCS	6	4.3	43	2	55.6	--	--
Emerge 447.TC	6	4.4	44	1	54.2	--	--
Emerge 389F.YC	6	3.8	36	1	53.4	--	--
Morsoy 4426SCN	11	4.4	44	1	53.1	--	--
Morsoy LL3939N	11	3.9	40	1	53.1	--	--
MPG 415CN	11	4.2	43	1	52.3	--	--
MPG X-38-1	11	3.8	40	1	51.4	--	--
SS 09L.42	11	4.2	42	1	50.2	--	--
MU Exp 4010N	2,9	4.0	39	1	49.8	--	--
MPV 4238N	5	4.2	46	1	49.0	--	--
Emerge 348.TC	6	3.4	37	1	48.5	--	--
Wooster	5	3.9	36	1	48.2	--	--
Emerge 388.TC	6	3.8	43	1	46.5	--	--
Morsoy LL4208N	11	4.2	46	2	44.3	--	--
SS 09L.47N	11	4.7	52	1	38.9	--	--
Mustang	5	4.1	45	2	35.8	--	--
GROUP 3 AVERAGE			42	1	53.3	--	--
L.S.D. AT .10					9.3		
C.V. %					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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Central Region: Grand Pass, MO (Saline County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.3, OM=1.2%, P=70 K=382

Cyst Nematode Population at Planting: 0 Eggs/100cc of Soil

Rainfall: May=5.2, June=4.2, July=4.6, Aug.=5.0, Sept.=1.5 Total=20.5

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Emerge 477.TCS	6	4.7	46	3	68.3**	--	--
HYC 5	--	3.8	38	1	63.1*	64.0	63.6
HYC 6	--	4.0	43	1	62.1*	62.1	62.1
HYC 4	--	3.9	39	2	61.3*	71.6**	66.5
MPG X-45-1	11	4.5	45	2	57.8	--	--
MU Exp 3901	2,9	3.9	46	2	57.5	--	--
Wooster	5	3.9	40	1	56.0	--	--
Emerge 447.TC	6	4.4	48	2	55.0	--	--
Morsoy 3919N	11	3.9	40	1	54.7	--	--
Emerge 435.TCS	6	4.3	38	2	52.5	60.8	56.7
Emerge 389F.YC	6	3.8	36	1	50.0	--	--
SS 10L.39N	11	3.9	40	1	49.8	--	--
Emerge 388.TC	6	3.8	42	1	48.4	--	--
MPG X-38-1	11	3.8	38	1	47.7	--	--
MU Exp 4010N	2,9	4.0	46	3	47.6	--	--
MPV 4238N	5	4.2	36	3	46.9	56.5	51.7
Emerge 348.TC	6	3.4	38	1	46.1	--	--
Morsoy LL3939N	11	3.9	37	1	45.0	--	--
SS 09L.42	11	4.2	46	2	41.6	--	--
MPG 415CN	11	4.2	42	2	41.2	57.7	49.5
Morsoy 4426SCN	11	4.4	36	3	39.5	--	--
Morsoy LL4208N	11	4.2	41	1	35.3	--	--
SS 09L.47N	11	4.7	45	1	27.8	--	--
Mustang	5	4.1	46	2	26.8	--	--
GROUP 3 AVERAGE			41	2	49.2	62.1	55.7
L.S.D. AT .10					8.2	7.0	
C.V. %					11.6	9.0	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.9, OM=2.0%, P=56, K=362

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=5.1, June=5.6, July=5.0, Aug.=4.0, Sept.=2.9 Total=22.6

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
SS 09L.42	11	4.2	--	0	61.2**	--	--
Morsoy 3919N	11	3.9	--	0	59.6*	--	--
Morsoy LL4208N	11	4.2	--	0	58.2*	--	--
HYC 4	--	3.9	--	0	57.3*	56.2	56.8
MU Exp 4010N	2,9	4.0	--	0	57.2*	--	--
Emerge 477.TCS	6	4.7	--	0	57.0*	--	--
SS 09L.47N	11	4.7	--	0	56.5*	--	--
MU Exp 3901	2,9	3.9	--	0	55.1	--	--
MPG X-45-1	11	4.5	--	0	53.9	--	--
Emerge 388.TC	6	3.8	--	0	53.0	--	--
Emerge 447.TC	6	4.4	--	0	52.0	--	--
HYC 6	--	4.0	--	0	51.3	57.9	54.6
MPG 415CN	11	4.2	--	0	50.8	58.2	54.5
HYC 5	--	3.8	--	0	50.0	62.5**	56.3
MPG X-38-1	11	3.8	--	0	49.8	--	--
Mustang	5	4.1	--	0	49.4	--	--
Morsoy 4426SCN	11	4.4	--	0	49.4	--	--
Emerge 435.TCS	6	4.3	--	0	48.3	52.4	50.4
MPV 4238N	5	4.2	--	0	48.1	54.6	51.4
Wooster	5	3.9	--	0	47.5	--	--
SS 10L.39N	11	3.9	--	0	46.4	--	--
Emerge 389F.YC	6	3.8	--	0	44.9	--	--
Morsoy LL3939N	11	3.9	--	0	38.4	--	--
Emerge 348.TC	6	3.4	--	0	34.8	--	--
GROUP 3 AVERAGE			--	0	51.3	57.0	54.2
L.S.D. AT .10					5.0	1.9	
C.V. %					6.5	2.6	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.7, OM=2.1%, P=78, K=374

Cyst Nematode Population at Planting: 471 Eggs/100cc of Soil

Rainfall: May=5.8, June=8.2, July=5.7, Aug.=3.8, Sept.=3.8 Total=27.3

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
				-----bu/acre-----			
HYC 6	--	4.0	30	1	60.5**	73.6*	67.1
Morsoy LL4208N	11	4.2	34	1	58.6*	--	--
SS 09L.42	11	4.2	33	1	57.6*	--	--
Morsoy 3919N	11	3.9	32	1	57.4*	--	--
HYC 5	--	3.8	27	1	55.4*	74.5**	65.0
HYC 4	--	3.9	31	1	55.3*	70.0	62.7
MPG 415CN	11	4.2	32	1	54.8*	73.4*	64.1
MPV 4238N	5	4.2	32	1	53.8	63.9	58.9
Morsoy 4426SCN	11	4.4	33	1	53.1	--	--
MU Exp 4010N	2,9	4.0	27	1	52.9	--	--
Emerge 477.TCS	6	4.7	35	1	52.3	--	--
MPG X-45-1	11	4.5	34	1	52.1	--	--
Wooster	5	3.9	31	1	51.8	--	--
Emerge 447.TC	6	4.4	30	1	51.7	--	--
MPG X-38-1	11	3.8	29	1	51.1	--	--
MU Exp 3901	2,9	3.9	30	1	50.8	--	--
Emerge 388.TC	6	3.8	27	1	50.6	--	--
SS 09L.47N	11	4.7	37	1	49.0	--	--
Emerge 435.TCS	6	4.3	27	1	48.7	65.9	57.3
Emerge 348.TC	6	3.4	29	1	48.5	--	--
Mustang	5	4.1	32	1	47.1	--	--
Morsoy LL3939N	11	3.9	27	1	45.4	--	--
SS 10L.39N	11	3.9	33	1	42.8	--	--
Emerge 389F.YC	6	3.8	28	1	41.7	--	--
GROUP 3 AVERAGE			31	1	51.8	70.2	61.0
L.S.D. AT .10					5.7	3.0	
C.V. %					7.6	3.4	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Central Region: Annada, MO (Pike County)

Soil Type: Tice Silt Loam Soil Test: pH=5.2, OM=1.8%, P=24, K=214

Cyst Nematode Population at Planting: 466 Eggs/100cc of Soil

Rainfall: May=4.9, June=5.2, July=5.6, Aug.=5.2, Sept.=3.0 Total=23.9

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Morsoy 3919N	11	3.9	35	1	53.7**	--	--
MU Exp 3901	2,9	3.9	32	1	53.0*	--	--
HYC 6	--	4.0	33	1	53.0*	53.8**	53.4
Morsoy LL3939N	11	3.9	33	1	52.7*	--	--
HYC 4	--	3.9	35	1	52.3*	42.5	47.4
Emerge 447.TC	6	4.4	41	1	52.0*	--	--
HYC 5	--	3.8	36	1	51.0*	43.0	47.0
MU Exp 4010N	2,9	4.0	36	1	50.9*	--	--
Emerge 389F.YC	6	3.8	35	1	50.4*	--	--
Emerge 348.TC	6	3.4	34	1	50.1*	--	--
Wooster	5	3.9	35	1	49.7*	--	--
MPG X-45-1	11	4.5	35	1	49.1	--	--
SS 09L.42	11	4.2	38	1	49.1	--	--
MPG 415CN	11	4.2	36	1	48.9	38.3	43.6
Emerge 388.TC	6	3.8	34	1	48.8	--	--
MPV 4238N	5	4.2	35	1	48.4	46.2*	47.3
Morsoy LL4208N	11	4.2	39	1	48.2	--	--
SS 10L.39N	11	3.9	35	1	47.6	--	--
MPG X-38-1	11	3.8	34	1	47.4	--	--
Emerge 435.TCS	6	4.3	33	1	47.1	47.4*	47.3
Emerge 477.TCS	6	4.7	31	2	46.9	--	--
Morsoy 4426SCN	11	4.4	33	1	44.8	--	--
SS 09L.47N	11	4.7	40	1	41.3	--	--
Mustang	5	4.1	39	1	38.9	--	--
GROUP 3 AVERAGE			35	1	49.0	45.2	47.1
L.S.D. AT .10					4.4	8.7	
C.V. %					6.4	15.6	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 26. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Five Central Missouri locations (Henrietta, Grand Pass, Columbia, Truxton, Annada) during 2009.

<u>Henrietta</u> Planted: 05-06 Harvested: 09-30 Growing Season Rainfall: 26.2	<u>Grand Pass</u> Planted: 5-20 Harvested: 10-07 Growing Season Rainfall: 20.5	<u>Columbia</u> Planted: 05-19 Harvested: 11-07 Growing Season Rainfall: 22.6
<u>Truxton</u> Planted: 06-20 Harvested: 11-03 Growing Season Rainfall: 27.3	<u>Annada</u> Planted: 06-22 Harvested: 11-14 Growing Season Rainfall: 23.9	

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
MATURITY GROUP 3						
HYC 6	66.0*	62.1*	51.3	60.5**	53.0*	58.6**
HYC 4	66.3**	61.3*	57.3*	55.3*	52.3*	58.5*
Morsoy 3919N	62.0*	54.7	59.6*	57.4*	53.7**	57.5*
Emerge 477.TCS	60.0*	68.3**	57.0*	52.3	46.9	56.9*
MU Exp 3901	65.1*	57.5	55.1	50.8	53.0*	56.3*
HYC 5	56.0	63.1*	50.0	55.4*	51.0*	55.1
MPG X-45-1	58.8*	57.8	53.9	52.1	49.1	54.3
Emerge 447.TC	54.2	55.0	52.0	51.7	52.0*	53.0
SS 09L.42	50.2	41.6	61.2**	57.6*	49.1	51.9
MU Exp 4010N	49.8	47.6	57.2*	52.9	50.9*	51.7
Wooster	48.2	56.0	47.5	51.8	49.7*	50.6
Emerge 435.TCS	55.6	52.5	48.3	48.7	47.1	50.4
SS 10L.39N	61.7*	49.8	46.4	42.8	47.6	49.6
MPG 415CN	52.3	41.2	50.8	54.8*	48.9	49.6
MPG X-38-1	51.4	47.7	49.8	51.1	47.4	49.5
Emerge 388.TC	46.5	48.4	53.0	50.6	48.8	49.4
MPV 4238N	49.0	46.9	48.1	53.8	48.4	49.2
Morsoy LL4208N	44.3	35.3	58.2*	58.6*	48.2	48.9
Emerge 389F.YC	53.4	50.0	44.9	41.7	50.4*	48.1
Morsoy 4426SCN	53.1	39.5	49.4	53.1	44.8	48.0
Morsoy LL3939N	53.1	45.0	38.4	45.4	52.7*	46.9
Emerge 348.TC	48.5	46.1	34.8	48.5	50.1*	45.6
SS 09L.47N	38.9	27.8	56.5*	49.0	41.3	42.7
Mustang	35.8	26.8	49.4	47.1	38.9	39.6
GROUP 3 AVERAGE	53.3	49.2	51.3	51.8	49.0	50.9
L.S.D. AT .10	9.3	8.2	5.0	5.7	4.4	2.9
C.V. %	11.9	11.6	6.5	7.6	6.4	8.8

** Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

Southwest Region Crop Management Summary

There are five locations in the Southwest Region for Glyphosate Resistant and Non-Glyphosate Resistant / Special Traits Soybean Tests this year. 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 slightly between locations but tend to reflect those followed by farmers in the area.

Rainfall was plentiful in the Southwest Region this year, but the growing season was short because of late planting and a couple of freezes in mid October. This may have hurt yields on the later varieties. Yields, however, were good overall at the five sites, averaging 51 bushels per acre.

Climatological information for the growing season (May 1 – September 30) for the Southwest Region is summarized below and cultural practices for each site are listed in Table 20.

Average temperature = 70.6 degrees, 1.6 degrees below normal

Average precipitation = 25.6", 2.6" above normal

Table 27. 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	05-21	11-09	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax
Adrian	05-22	10-21,11-08	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
Urich	06-05	11-13	10	50	50	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
Nevada	05-22	11-07,08	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax
Lamar	05-22	10-20,11-07	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Roundup PowerMax
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Harrisonville	05-21	11-09	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Blazer, Select, Basagran
Adrian	05-22	11-08	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
Urich	06-05	11-13	10	50	50	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	
Nevada	05-22	11-08	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Select
Lamar	05-22	11-07	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup PowerMax	Select

TABLE 28. Glyphosate Resistant Soybean Test

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=6.3, OM=3.0%, P=32, K=658

Cyst Nematode Population at Planting: 0 Eggs/100cc of Soil

Rainfall: May=3.1, June=6.2, July=5.0, Aug.=2.7, Sept.=1.8 Total=18.8

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Stone 3A388NRR	6	3.8	36	1	70.6**	--	--
Willcross RR2397N	11	3.9	42	1	68.6*	60.7*	64.7
Willcross RR2398N	11	3.9	33	1	58.5	--	--
GROUP 3 AVERAGE			37	1	65.9	53.4	59.7
L.S.D. AT .10					8.6	4.6	
C.V. %					9.5	7.2	

MATURITY GROUP 4

Taylor Exp461-2R	1	4.6	40	1	82.2**	--	--
Midland 4580R2	10	4.5	40	1	74.5*	--	--
Fontanelle 478NRRSTS	None	4.4	42	1	73.8*	--	--
Willcross RY5460N	11	4.6	40	1	72.9*	--	--
Midland 4768NRR	10	4.7	45	1	72.6	70.7**	71.6
MPG 4509nRR/STS	11	4.5	39	1	72.3	66.3*	69.3
Taylor ExpD-4780	8,10	4.7	42	1	71.7	--	--
Schillinger 4880.RC	6	4.8	46	1	71.5	--	--
Morsoy RTS 4824	6	4.8	42	1	71.5	64.9	68.2
Asgrow AG4303	6	4.3	35	1	71.3	66.0*	68.7
Lewis 45XR2	1	4.5	40	1	70.7	--	--
Schillinger 4990.RC	6	4.9	42	1	70.6	--	--
Morsoy RT 4457N	6	4.4	38	1	70.4	60.9	65.7
Willcross RR2440NSTS	11	4.4	34	1	69.4	67.6*	68.5
Stone 3B408NRR	6	4.0	39	1	69.1	--	--
Channel 4517R Brand	4	4.5	42	1	68.7	--	--
Midland 4270NR2	10	4.2	34	1	68.6	--	--
Channel 4817R Brand	4	4.8	41	1	68.3	--	--
Midland 4839NRS	10	4.8	47	1	68.3	64.2	66.3
Willcross RR2490NSTS	11	4.9	40	1	67.7	63.8	65.8
Asgrow DKB46-51	6	4.6	41	1	67.7	--	--
Morsoy RT 4707N	6	4.7	45	1	67.7	67.1*	67.4
Asgrow AG4703	6	4.7	39	1	66.9	64.7	65.8
Asgrow AG4907	6	4.9	47	1	66.7	65.0	65.9
Pioneer 94Y01	6	4.0	35	1	66.7	60.5	63.6
NK S48-C9 Brand	6	4.8	40	1	66.2	--	--
Asgrow AG4903	6	4.9	45	1	64.8	59.2	62.0
Willcross RR2477NSTS	11	4.7	35	1	64.7	67.3*	66.0
Dyna-Gro Exp 4.3	6	4.3	38	1	64.7	--	--
NK S44-D5 Brand	6	4.4	39	1	64.6	57.7	61.2
Pioneer 94Y70	6	4.7	45	1	64.4	--	--
Midland 4477NRR	10	4.4	40	1	64.3	61.8	63.1
Midland 4770NRR	10	4.7	39	1	64.1	--	--
Willcross RR2498NSTS	11	4.9	46	1	63.3	58.1	60.7
Schillinger 458.RCS	6	4.5	41	1	62.8	--	--

TABLE 28. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
NK S41-R6 Brand	6	4.1	36	1	62.6	58.7	60.7
MPG 4406nRR	11	4.4	46	1	62.4	65.4*	63.9
Schillinger 495.RC	6	4.9	46	1	62.4	59.3	60.9
Asgrow AG4005	6	4.0	38	1	62.2	61.6	61.9
Schillinger 478.RCS	6	4.7	43	2	61.9	60.2	61.1
Stone 3A449NRR/STS	6	4.4	30	1	61.2	68.2*	64.7
Pioneer 94Y20	6	4.2	40	1	60.8	60.5	60.7
Schillinger 499.RC	6	4.9	47	2	60.1	--	--
Morsoy RT 4485N	6	4.4	45	1	58.9	64.3	61.6
Fontanelle Exp441	None	4.4	46	1	58.1	--	--
Taylor ExpT-4850	8,10	4.8	37	1	58.1	--	--
Dyna-Gro 38C42	6	4.2	39	1	57.4	62.1	59.8
Fontanelle 460RRSTS	None	4.6	40	1	55.5	--	--
Asgrow AG4606	6	4.6	42	1	55.2	53.7	54.5
Willcross RR2484N	11	4.8	42	1	55.1	59.7	57.4
Willcross RR2470NSTS	11	4.7	40	1	54.2	59.6	56.9
Lewis 4729	11	4.7	39	1	53.8	--	--
Dyna-Gro V47N9RS	6	4.7	37	1	52.2	--	--
Willcross RR2878NSTS	11	4.7	42	1	51.7	--	--
S06-3929	4	4.8	50	2	49.9	--	--
GROUP 4 AVERAGE			41	1	64.7	61.8	63.3
L.S.D. AT .10					9.5	5.6	
C.V. %					10.9	6.5	

MATURITY GROUP 5

Willcross RR2507NSTS	11	5.0	37	1	58.8**	51.2	55.0
Morsoy RT 5154N	6	5.1	45	1	47.5	51.8	49.7
MPG 5505nRR/STS	11	5.5	41	2	46.5	57.1*	51.8
Willcross RR2547N	11	5.4	43	2	46.1	54.2	50.2
S06-3095	4	5.2	40	2	44.6	--	--
MPG 5407nRR	11	5.4	53	3	43.3	55.8*	49.6
MPG 5308nRR	11	5.3	40	1	36.6	54.2	45.4
S06-4649	4	5.2	32	3	36.2	--	--
Willcross RR2544NSTS	11	5.4	42	2	36.0	57.8**	46.9
Asgrow AG5405	6	5.4	39	1	34.9	--	--
Pioneer 95Y20	6	5.2	37	1	34.8	48.2	41.5
Schillinger 5440.R	6	5.4	34	1	30.5	--	--
Schillinger 557.RC	6	5.5	37	2	29.6	50.8	40.2
Asgrow AG5605	6	5.6	35	2	27.2	--	--
GROUP 5 AVERAGE			40	2	39.5	53.5	46.5
L.S.D. AT .10					6.6	3.4	
C.V. %					13.8	5.2	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 29. Glyphosate Resistant Soybean Test

Southwest Region: Adrian, MO (Bates County)

Soil Type: Kenoma Silt Loam Soil Test: pH=6.5, OM=3.1%, P=116, K=492

Cyst Nematode Population at Planting: 5118 Eggs/100cc of Soil

Rainfall: May=6.3, June=6.1, July=4.2, Aug.=4.3, Sept.=4.3 Total=25.2

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Willcross RR2397N	11	3.9	41	1	65.9**	40.9*	53.4
Stone 3A388NRR	6	3.8	36	1	59.7	--	--
Willcross RR2398N	11	3.9	35	1	57.2	--	--
GROUP 3 AVERAGE			37	1	60.9	36.8	48.9
L.S.D. AT .10					4.5	3.2	
C.V. %					5.4	7.2	
MATURITY GROUP 4							
Midland 4580R2	10	4.5	36	1	65.5**	--	--
Willcross RR2440NSTS	11	4.4	36	1	64.3*	44.5	54.4
Willcross RY5460N	11	4.6	38	1	64.3*	--	--
Morsoy RT 4707N	6	4.7	42	1	64.0*	48.3	56.2
Taylor ExpT-4850	8,10	4.8	43	2	63.8*	--	--
Channel 4517R Brand	4	4.5	44	2	63.5*	--	--
Channel 4817R Brand	4	4.8	42	1	63.4*	--	--
Taylor Exp461-2R	1	4.6	34	1	63.2*	--	--
Midland 4770NRR	10	4.7	43	1	63.0*	--	--
Pioneer 94Y01	6	4.0	40	1	63.0*	44.1	53.6
Asgrow AG4005	6	4.0	40	1	63.0*	48.1	55.6
Asgrow AG4703	6	4.7	41	1	62.6*	49.5	56.1
Dyna-Gro Exp 4.3	6	4.3	40	1	62.3*	--	--
Midland 4270NR2	10	4.2	37	1	61.9*	--	--
Willcross RR2498NSTS	11	4.9	48	2	61.8*	42.4	52.1
Asgrow AG4903	6	4.9	41	1	61.6*	47.0	54.3
Lewis 45XR2	1	4.5	40	1	61.6*	--	--
Fontanelle 478NRRSTS	None	4.4	45	1	61.3*	--	--
Midland 4839NRS	10	4.8	44	2	61.2*	47.0	54.1
Midland 4477NRR	10	4.4	44	2	61.1*	48.4	54.8
Asgrow AG4303	6	4.3	36	1	61.1*	45.2	53.2
MPG 4406nRR	11	4.4	44	1	60.8*	48.5	54.7
Willcross RR2477NSTS	11	4.7	35	1	60.5*	46.8	53.7
Morsoy RTS 4824	6	4.8	43	1	59.8*	47.3	53.6
NK S44-D5 Brand	6	4.4	37	1	59.8*	47.7	53.8
Pioneer 94Y20	6	4.2	40	1	59.7*	45.6	52.7
Dyna-Gro 38C42	6	4.2	37	1	59.3	43.7	51.5
Fontanelle Exp441	None	4.4	42	1	58.6	--	--
Taylor ExpD-4780	8,10	4.7	44	1	58.6	--	--
Morsoy RT 4457N	6	4.4	42	1	58.1	45.8	52.0
Pioneer 94Y70	6	4.7	45	1	58.0	--	--
Schillinger 458.RCS	6	4.5	41	1	57.9	--	--
Asgrow AG4907	6	4.9	44	1	57.8	53.5**	55.7
Morsoy RT 4485N	6	4.4	45	2	57.5	51.0*	54.3
NK S41-R6 Brand	6	4.1	33	1	57.4	40.0	48.7

TABLE 29. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Asgrow AG4606	6	4.6	40	1	57.3	50.2*	53.8
Midland 4768NRR	10	4.7	44	1	56.3	49.8	53.1
Willcross RR2878NSTS	11	4.7	40	1	55.9	--	--
Lewis 4729	11	4.7	41	1	55.8	--	--
MPG 4509nRR/STS	11	4.5	34	1	55.7	43.3	49.5
Schillinger 4990.RC	6	4.9	46	1	54.9	--	--
Stone 3B408NRR	6	4.0	37	1	54.8	--	--
Willcross RR2490NSTS	11	4.9	41	1	54.1	46.8	50.5
S06-3929	4	4.8	42	2	53.7	--	--
Stone 3A449NRR/STS	6	4.4	34	1	53.1	45.5	49.3
Willcross RR2470NSTS	11	4.7	38	1	53.0	49.6	51.3
Schillinger 4880.RC	6	4.8	46	2	52.9	--	--
Schillinger 478.RCS	6	4.7	43	2	52.7	42.7	47.7
Willcross RR2484N	11	4.8	40	1	52.1	47.8	50.0
Dyna-Gro V47N9RS	6	4.7	39	1	50.6	--	--
Asgrow DKB46-51	6	4.6	41	1	50.0	--	--
NK S48-C9 Brand	6	4.8	37	1	47.6	--	--
Fontanelle 460RRSTS	None	4.6	38	1	47.5	--	--
Schillinger 495.RC	6	4.9	47	2	46.1	45.6	45.9
Schillinger 499.RC	6	4.9	44	2	45.4	--	--
GROUP 4 AVERAGE			41	1	58.0	45.6	51.8
L.S.D. AT .10					6.1	3.5	
C.V. %					7.2	5.4	

MATURITY GROUP 5

Willcross RR2507NSTS	11	5.0	45	1	57.2**	41.6	49.4
Morsoy RT 5154N	6	5.1	50	1	50.7*	45.5*	48.1
Willcross RR2547N	11	5.4	40	1	48.1	46.6*	47.4
S06-4649	4	5.2	49	2	46.9	--	--
S06-3095	4	5.2	47	3	46.0	--	--
Willcross RR2544NSTS	11	5.4	42	2	45.7	47.2*	46.5
MPG 5407nRR	11	5.4	45	1	45.5	46.2*	45.9
Pioneer 95Y20	6	5.2	41	2	45.0	47.3*	46.2
MPG 5505nRR/STS	11	5.5	45	2	43.3	48.0*	45.7
Schillinger 5440.R	6	5.4	40	2	41.2	--	--
Asgrow AG5405	6	5.4	41	2	40.8	--	--
MPG 5308nRR	11	5.3	45	3	39.5	46.6*	43.1
Asgrow AG5605	6	5.6	44	3	35.3	--	--
Schillinger 557.RC	6	5.5	45	2	35.3	49.2**	42.3
GROUP 5 AVERAGE			44	2	44.3	46.5	45.4
L.S.D. AT .10					8.7	3.7	
C.V. %					16.2	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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 30. Glyphosate Resistant Soybean Test

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=6.2, OM=2.9%, P=36, K=318

Cyst Nematode Population at Planting: 627 Eggs/100cc of Soil

Rainfall: May=5.0, June=9.6, July=5.2, Aug.=2.8, Sept.=5.5 Total=28.1

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Willcross RR2397N	11	3.9	41	1	56.0**	50.2	53.1
Willcross RR2398N	11	3.9	35	1	53.9	--	--
Stone 3A388NRR	6	3.8	38	1	52.8	--	--
GROUP 3 AVERAGE			38	1	54.2	50.4	52.3
L.S.D. AT .10					NS	3.9	
C.V. %					8.1	6.4	
MATURITY GROUP 4							
Asgrow AG4907	6	4.9	43	1	62.1**	59.1*	60.6
Lewis 45XR2	1	4.5	38	1	60.7*	--	--
Midland 4580R2	10	4.5	40	1	60.1*	--	--
Willcross RY5460N	11	4.6	44	1	59.9*	--	--
Midland 4770NRR	10	4.7	44	2	59.6*	--	--
Taylor Exp461-2R	1	4.6	42	1	59.0*	--	--
Dyna-Gro Exp 4.3	6	4.3	43	2	59.0*	--	--
Midland 4477NRR	10	4.4	43	1	59.0*	55.9	57.5
Asgrow AG4005	6	4.0	44	1	58.3*	54.3	56.3
Asgrow AG4303	6	4.3	39	1	58.3*	53.6	56.0
Fontanelle Exp441	None	4.4	47	3	57.5*	--	--
Midland 4839NRS	10	4.8	49	3	57.4*	54.1	55.8
Willcross RR2440NSTS	11	4.4	35	1	57.3*	56.0	56.7
Willcross RR2490NSTS	11	4.9	41	1	57.2*	54.9	56.1
Midland 4768NRR	10	4.7	36	2	57.1*	58.0*	57.6
Taylor ExpT-4850	8,10	4.8	45	3	56.6*	--	--
MPG 4509nRR/STS	11	4.5	38	1	56.5*	52.0	54.3
Asgrow AG4703	6	4.7	40	1	56.5*	53.9	55.2
Schillinger 4880,RC	6	4.8	48	3	56.1*	--	--
Morsoy RT 4457N	6	4.4	50	3	55.8*	55.5	55.7
Willcross RR2470NSTS	11	4.7	47	1	55.8*	56.6	56.2
Taylor ExpD-4780	8,10	4.7	40	1	55.7	--	--
Fontanelle 478NRRSTS	None	4.4	40	2	55.7	--	--
NK S48-C9 Brand	6	4.8	46	1	55.4	--	--
Willcross RR2484N	11	4.8	46	2	55.2	61.2**	58.2
Pioneer 94Y20	6	4.2	45	1	55.2	52.9	54.1
Willcross RR2878NSTS	11	4.7	44	1	55.2	--	--
Midland 4270NR2	10	4.2	40	1	55.0	--	--
Asgrow AG4606	6	4.6	46	1	54.9	56.5	55.7
Willcross RR2477NSTS	11	4.7	40	1	54.3	54.0	54.2
Stone 3B408NRR	6	4.0	40	1	54.0	--	--
Channel 4517R Brand	4	4.5	45	1	53.9	--	--
Pioneer 94Y70	6	4.7	47	4	53.8	--	--
Morsoy RT 4707N	6	4.7	45	1	53.8	56.6	55.2
Channel 4817R Brand	4	4.8	42	3	53.8	--	--

TABLE 30. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Dyna-Gro 38C42	6	4.2	40	1	53.4	53.6	53.5
Schillinger 4990.RC	6	4.9	46	2	53.2	--	--
Asgrow DKB46-51	6	4.6	47	2	53.1	--	--
NK S44-D5 Brand	6	4.4	40	1	52.5	56.6	54.6
Morsoy RTS 4824	6	4.8	45	2	52.2	58.9*	55.6
NK S41-R6 Brand	6	4.1	39	1	52.0	55.4	53.7
Stone 3A449NRR/STS	6	4.4	35	1	51.8	55.8	53.8
Schillinger 458.RCS	6	4.5	44	1	51.2	--	--
Asgrow AG4903	6	4.9	45	1	51.1	57.1	54.1
Willcross RR2498NSTS	11	4.9	46	2	51.1	53.3	52.2
Schillinger 495.RC	6	4.9	46	2	50.8	55.4	53.1
Pioneer 94Y01	6	4.0	48	2	50.0	50.6	50.3
Schillinger 499.RC	6	4.9	48	3	49.9	--	--
MPG 4406nRR	11	4.4	44	1	49.8	55.8	52.8
Schillinger 478.RCS	6	4.7	37	2	49.7	53.5	51.6
Morsoy RT 4485N	6	4.4	47	2	48.2	56.2	52.2
Fontanelle 460RRSTS	None	4.6	40	1	48.2	--	--
Lewis 4729	11	4.7	46	1	47.8	--	--
S06-3929	4	4.8	38	2	45.7	--	--
Dyna-Gro V47N9RS	6	4.7	40	1	45.6	--	--
GROUP 4 AVERAGE			43	2	54.4	55.0	54.7
L.S.D. AT .10					6.3	4.0	
C.V. %					8.6	5.1	

MATURITY GROUP 5

Morsoy RT 5154N	6	5.1	48	2	56.6**	57.9**	57.3
Willcross RR2507NSTS	11	5.0	43	1	53.8*	53.5	53.7
MPG 5505nRR/STS	11	5.5	40	2	48.5	53.1	50.8
MPG 5407nRR	11	5.4	44	1	47.2	53.9	50.6
MPG 5308nRR	11	5.3	50	2	44.6	47.0	45.8
S06-3095	4	5.2	40	2	44.0	--	--
Asgrow AG5405	6	5.4	40	2	43.2	--	--
Schillinger 557.RC	6	5.5	45	2	43.1	51.2	47.2
Willcross RR2547N	11	5.4	42	1	42.4	54.0	48.2
S06-4649	4	5.2	50	3	41.3	--	--
Asgrow AG5605	6	5.6	35	2	41.2	--	--
Schillinger 5440.R	6	5.4	38	2	41.0	--	--
Willcross RR2544NSTS	11	5.4	45	2	40.9	54.0	47.5
Pioneer 95Y20	6	5.2	40	2	38.4	49.2	43.8
GROUP 5 AVERAGE			43	2	44.7	52.6	48.7
L.S.D. AT .10					3.5	2.7	
C.V. %					6.5	4.3	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 31. Glyphosate Resistant Soybean Test

Southwest Region: Nevada, MO (Vernon County)

Soil Type: Parson Silt Loam Soil Test: pH=5.9, OM=1.8%, P=28, K=166

Cyst Nematode Population at Planting: 1705 Eggs/100cc of Soil

Rainfall: May=8.9, June=8.2, July=5.2, Aug.=3.5, Sept.=5.1 Total=30.9

Irrigation: 4.0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Stone 3A388NRR	6	3.8	37	1	49.3**	--	--
Willcross RR2397N	11	3.9	40	1	43.8	45.6**	44.7
Willcross RR2398N	11	3.9	33	1	41.9	--	--
GROUP 3 AVERAGE			37	1	45.0	38.8	41.9
L.S.D. AT .10					NS	4.3	
C.V. %					7.2	9.3	
MATURITY GROUP 4							
Asgrow AG4005	6	4.0	33	1	57.5**	45.4	51.5
Midland 4580R2	10	4.5	36	1	56.6*	--	--
Dyna-Gro Exp 4.3	6	4.3	37	1	56.3*	--	--
Schillinger 458.RCS	6	4.5	37	1	55.9*	--	--
Pioneer 94Y70	6	4.7	41	1	55.2*	--	--
Morsoy RT 4457N	6	4.4	35	2	55.0*	49.2	52.1
Taylor ExpT-4850	8,10	4.8	43	2	54.8*	--	--
Midland 4770NRR	10	4.7	37	2	54.7*	--	--
MPG 4406nRR	11	4.4	40	1	54.6*	54.3*	54.5
Taylor Exp461-2R	1	4.6	37	1	53.9*	--	--
NK S44-D5 Brand	6	4.4	37	1	53.4*	48.9	51.2
Morsoy RT 4485N	6	4.4	40	2	53.3*	53.1*	53.2
Stone 3A449NRR/STS	6	4.4	31	1	53.3*	46.2	49.8
Lewis 45XR2	1	4.5	37	1	53.3*	--	--
Asgrow AG4903	6	4.9	43	1	53.2*	48.6	50.9
MPG 4509nRR/STS	11	4.5	32	1	52.5*	48.7	50.6
Channel 4817R Brand	4	4.8	36	1	52.5*	--	--
Asgrow AG4303	6	4.3	32	1	52.3*	48.4	50.4
Willcross RR2440NSTS	11	4.4	31	1	52.0*	45.3	48.7
NK S41-R6 Brand	6	4.1	35	1	51.9*	46.8	49.4
Pioneer 94Y01	6	4.0	38	2	51.7*	46.2	49.0
Midland 4839NRS	10	4.8	41	2	51.6*	53.1*	52.4
Fontanelle 478NRRSTS	None	4.4	38	1	51.5*	--	--
Willcross RR2470NSTS	11	4.7	40	1	51.3*	54.1*	52.7
Dyna-Gro 38C42	6	4.2	34	1	50.9*	47.4	49.2
Willcross RY5460N	11	4.6	36	1	50.6*	--	--
Willcross RR2878NSTS	11	4.7	40	1	49.8*	--	--
Lewis 4729	11	4.7	36	1	49.7*	--	--
Willcross RR2498NSTS	11	4.9	42	2	49.6*	46.8	48.2
Fontanelle 460RRSTS	None	4.6	36	1	49.4*	--	--
Midland 4477NRR	10	4.4	36	2	49.0*	53.3*	51.2
Fontanelle Exp441	None	4.4	37	2	49.0*	--	--
Asgrow AG4907	6	4.9	45	1	48.9*	55.1**	52.0
Schillinger 478.RCS	6	4.7	39	2	48.7*	50.6	49.7
Schillinger 4990.RC	6	4.9	42	1	48.5	--	--

TABLE 31. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Dyna-Gro V47N9RS	6	4.7	34	1	48.3	--	--
Willcross RR2477NSTS	11	4.7	32	1	48.3	48.1	48.2
Asgrow AG4703	6	4.7	31	1	47.7	48.6	48.2
Channel 4517R Brand	4	4.5	39	2	47.7	--	--
Willcross RR2484N	11	4.8	39	2	46.8	47.1	47.0
Asgrow AG4606	6	4.6	40	1	46.7	48.8	47.8
Asgrow DKB46-51	6	4.6	41	2	46.6	--	--
Pioneer 94Y20	6	4.2	36	2	46.5	45.0	45.8
Midland 4270NR2	10	4.2	30	1	45.9	--	--
Midland 4768NRR	10	4.7	40	1	45.8	52.2*	49.0
S06-3929	4	4.8	37	2	45.7	--	--
Stone 3B408NRR	6	4.0	32	1	45.6	--	--
Morsoy RTS 4824	6	4.8	37	2	45.4	47.5	46.5
Morsoy RT 4707N	6	4.7	38	1	44.6	53.2*	48.9
Taylor ExpD-4780	8,10	4.7	40	1	44.3	--	--
Willcross RR2490NSTS	11	4.9	36	1	44.3	48.6	46.5
NK S48-C9 Brand	6	4.8	35	1	44.3	--	--
Schillinger 4880.RC	6	4.8	42	2	40.5	--	--
Schillinger 495.RC	6	4.9	45	3	39.6	44.9	42.3
Schillinger 499.RC	6	4.9	42	3	38.4	--	--
GROUP 4 AVERAGE			37	1	49.7	47.1	48.4
L.S.D. AT .10					8.8	4.1	
C.V. %					12.9	6.3	

MATURITY GROUP 5

S06-3095	4	5.2	44	2	55.8**	--	--
MPG 5308nRR	11	5.3	40	3	54.3*	55.3**	54.8
S06-4649	4	5.2	47	3	53.9*	--	--
Morsoy RT 5154N	6	5.1	40	2	51.3*	43.2	47.3
Willcross RR2507NSTS	11	5.0	42	2	46.0	41.5	43.8
MPG 5407nRR	11	5.4	45	1	44.8	41.2	43.0
MPG 5505nRR/STS	11	5.5	41	1	39.0	49.0	44.0
Asgrow AG5605	6	5.6	38	2	38.4	--	--
Willcross RR2544NSTS	11	5.4	37	2	37.7	50.3	44.0
Willcross RR2547N	11	5.4	42	1	37.3	41.7	39.5
Schillinger 5440.R	6	5.4	35	2	37.2	--	--
Asgrow AG5405	6	5.4	34	1	35.9	--	--
Pioneer 95Y20	6	5.2	36	2	34.8	46.0	40.4
Schillinger 557.RC	6	5.5	39	2	32.0	48.6	40.3
GROUP 5 AVERAGE			40	2	42.7	46.3	44.5
L.S.D. AT .10					5.8	2.8	
C.V. %					11.3	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.

+ Seed Treatments: 1= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 32. Glyphosate Resistant Soybean Test

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parsons Silt Loam Soil Test: pH=6.9, OM=1.4%, P=52, K=166

Cyst Nematode Population at Planting: 4034 Eggs/100cc of Soil

Rainfall: May=6.4, June=6.7, July=5.4, Aug.=2.6, Sept.=6.0 Total=27.1

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
MATURITY GROUP 3							
Willcross RR2397N	11	3.9	35	1	52.8**	36.6**	44.7
Stone 3A388NRR	6	3.8	30	1	48.8	--	--
Willcross RR2398N	11	3.9	27	1	42.3	--	--
GROUP 3 AVERAGE			31	1	48.0	27.3	37.7
L.S.D. AT .10					NS	3.0	
C.V. %					14.4	9.2	

MATURITY GROUP 4

Midland 4770NRR	10	4.7	36	1	59.6**	--	--
Taylor ExpT-4850	8,10	4.8	37	1	59.2*	--	--
Willcross RR2477NSTS	11	4.7	30	1	58.8*	40.2*	49.5
Fontanelle Exp441	None	4.4	38	1	57.7*	--	--
Midland 4477NRR	10	4.4	35	1	57.3*	39.3*	48.3
Channel 4817R Brand	4	4.8	37	1	57.0*	--	--
MPG 4509nRR/STS	11	4.5	32	1	57.0*	30.2	43.6
Midland 4839NRS	10	4.8	38	1	56.9*	35.1	46.0
Asgrow AG4907	6	4.9	36	1	56.3*	37.4	46.9
Lewis 4729	11	4.7	37	1	55.5*	--	--
Taylor ExpD-4780	8,10	4.7	42	1	55.4*	--	--
Willcross RR2498NSTS	11	4.9	42	1	55.3*	29.1	42.2
Stone 3B408NRR	6	4.0	31	1	54.8*	--	--
Dyna-Gro Exp 4.3	6	4.3	34	1	54.7*	--	--
Lewis 45XR2	1	4.5	36	1	54.7*	--	--
Pioneer 94Y01	6	4.0	35	1	54.5*	36.1	45.3
NK S48-C9 Brand	6	4.8	34	1	54.5*	--	--
Schillinger 499.RC	6	4.9	38	1	54.4*	--	--
Midland 4768NRR	10	4.7	41	1	54.4*	39.9*	47.2
Pioneer 94Y70	6	4.7	40	1	54.0	--	--
Willcross RR2490NSTS	11	4.9	40	1	53.9	32.9	43.4
Asgrow DKB46-51	6	4.6	36	1	53.6	--	--
Schillinger 4990.RC	6	4.9	36	1	53.3	--	--
Willcross RR2470NSTS	11	4.7	38	1	53.3	37.3	45.3
Asgrow AG4303	6	4.3	29	1	53.1	34.6	43.9
NK S44-D5 Brand	6	4.4	35	1	53.0	36.3	44.7
Asgrow AG4703	6	4.7	35	1	52.9	35.3	44.1
Willcross RR2878NSTS	11	4.7	39	1	52.9	--	--
Willcross RR2484N	11	4.8	32	1	52.8	40.4*	46.6
Schillinger 478.RCS	6	4.7	35	1	52.7	33.1	42.9
Schillinger 458.RCS	6	4.5	35	1	52.4	--	--
Morsoy RTS 4824	6	4.8	38	1	52.1	37.5	44.8
Asgrow AG4606	6	4.6	37	1	52.0	35.4	43.7
Taylor Exp461-2R	1	4.6	35	1	51.7	--	--
Channel 4517R Brand	4	4.5	40	1	51.6	--	--

TABLE 32. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Fontanelle 478NRRSTS	None	4.4	36	1	51.5	--	--
Schillinger 495.RC	6	4.9	45	1	51.5	32.7	42.1
Dyna-Gro V47N9RS	6	4.7	32	1	51.5	--	--
Morsoy RT 4707N	6	4.7	39	1	51.4	36.5	44.0
Willcross RY5460N	11	4.6	33	1	51.2	--	--
Fontanelle 460RRSTS	None	4.6	32	1	51.2	--	--
Midland 4580R2	10	4.5	37	1	51.2	--	--
Asgrow AG4005	6	4.0	33	1	51.2	33.3	42.3
Schillinger 4880.RC	6	4.8	40	1	51.1	--	--
MPG 4406nRR	11	4.4	40	1	49.7	41.3*	45.5
Morsoy RT 4457N	6	4.4	33	1	49.6	36.3	43.0
Asgrow AG4903	6	4.9	37	1	49.5	36.3	42.9
S06-3929	4	4.8	35	1	49.3	--	--
Willcross RR2440NSTS	11	4.4	28	1	49.3	36.8	43.1
Midland 4270NR2	10	4.2	30	1	49.3	--	--
Pioneer 94Y20	6	4.2	37	1	48.5	31.5	40.0
Stone 3A449NRR/STS	6	4.4	28	1	48.4	32.9	40.7
NK S41-R6 Brand	6	4.1	32	1	46.0	23.9	35.0
Morsoy RT 4485N	6	4.4	39	1	46.0	42.0*	44.0
Dyna-Gro 38C42	6	4.2	30	1	45.0	40.6*	42.8
GROUP 4 AVERAGE			36	1	52.8	34.4	43.6
L.S.D. AT .10					5.3	6.4	
C.V. %					7.4	13.1	

MATURITY GROUP 5

S06-4649	4	5.2	37	2	53.4**	--	--
S06-3095	4	5.2	35	1	53.2*	--	--
MPG 5308nRR	11	5.3	31	1	51.7*	45.6**	48.7
Willcross RR2507NSTS	11	5.0	40	1	51.0*	33.0	42.0
Morsoy RT 5154N	6	5.1	41	1	49.7*	34.4	42.1
Willcross RR2544NSTS	11	5.4	30	1	48.1	36.1	42.1
Schillinger 557.RC	6	5.5	35	1	47.4	36.4	41.9
Asgrow AG5405	6	5.4	30	1	46.7	--	--
MPG 5505nRR/STS	11	5.5	30	1	46.4	38.6	42.5
Pioneer 95Y20	6	5.2	34	1	46.2	32.8	39.5
Willcross RR2547N	11	5.4	35	1	44.2	32.6	38.4
Asgrow AG5605	6	5.6	30	1	44.0	--	--
MPG 5407nRR	11	5.4	36	1	40.0	34.4	37.2
Schillinger 5440.R	6	5.4	30	1	40.0	--	--
GROUP 5 AVERAGE			34	1	47.3	36.0	41.7
L.S.D. AT .10					4.5	3.5	
C.V. %					8.1	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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 33. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Southwest Missouri locations (Harrisonville, Adrian, Urich, Nevada, Lamar) during 2009.

<u>Harrisonville</u> Planted: 05-21 Harvested: 11-09 Growing Season Rainfall: 18.8 Irrigation: 0 in.	<u>Adrian</u> Planted: 05-22 Harvested: 10-21,11-08 Growing Season Rainfall: 25.2 Irrigation: 0 in.	<u>Urich</u> Planted: 06-05 Harvested: 11-13 Growing Season Rainfall: 28.1 Irrigation: 0 in.
<u>Nevada</u> Planted: 05-22 Harvested: 11-07,08 Growing Season Rainfall: 30.9 Irrigation: 4 in.	<u>Lamar</u> Planted: 05-22 Harvested: 10-20,11-07 Growing Season Rainfall: 27.1 Irrigation: 0 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
MATURITY GROUP 3						
Willcross RR2397N	68.6*	65.9**	56.0**	43.8	52.8**	57.4**
Stone 3A388NRR	70.6**	59.7	52.8	49.3**	48.8	56.2*
Willcross RR2398N	58.5	57.2	53.9	41.9	42.3	50.8
GROUP 3 AVERAGE	65.9	60.9	54.2	45.0	48.0	54.8
L.S.D. AT .10	8.6	4.5	NS	NS	NS	2.7
C.V. %	9.5	5.4	8.1	7.2	14.4	8.9

MATURITY GROUP 4						
Taylor Exp461-2R	82.2**	63.2*	59.0*	53.9*	51.7	62.0**
Midland 4580R2	74.5*	65.5**	60.1*	56.6*	51.2	61.6*
Lewis 45XR2	70.7	61.6*	60.7*	53.3*	54.7*	60.2*
Midland 4770NRR	64.1	63.0*	59.6*	54.7*	59.6**	60.2*
Willcross RY5460N	72.9*	64.3*	59.9*	50.6*	51.2	59.8*
Dyna-Gro Exp 4.3	64.7	62.3*	59.0*	56.3*	54.7*	59.4*
Asgrow AG4303	71.3	61.1*	58.3*	52.3*	53.1	59.2*
Midland 4839NRS	68.3	61.2*	57.4*	51.6*	56.9*	59.1*
Channel 4817R Brand	68.3	63.4*	53.8	52.5*	57.0*	59.0*
MPG 4509nRR/STS	72.3	55.7	56.5*	52.5*	57.0*	58.8*
Fontanelle 478NRRSTS	73.8*	61.3*	55.7	51.5*	51.5	58.8*
Taylor ExpT-4850	58.1	63.8*	56.6*	54.8*	59.2*	58.5
Willcross RR2440NSTS	69.4	64.3*	57.3*	52.0*	49.3	58.5
Asgrow AG4005	62.2	63.0*	58.3*	57.5**	51.2	58.4
Asgrow AG4907	66.7	57.8	62.1**	48.9*	56.3*	58.4
Midland 4477NRR	64.3	61.1*	59.0*	49.0*	57.3*	58.1
Morsoy RT 4457N	70.4	58.1	55.8*	55.0*	49.6	57.8
Asgrow AG4703	66.9	62.6*	56.5*	47.7	52.9	57.3
Willcross RR2477NSTS	64.7	60.5*	54.3	48.3	58.8*	57.3
Midland 4768NRR	72.6	56.3	57.1*	45.8	54.4*	57.2
Pioneer 94Y01	66.7	63.0*	50.0	51.7*	54.5*	57.2
Taylor ExpD-4780	71.7	58.6	55.7	44.3	55.4*	57.1
Pioneer 94Y70	64.4	58.0	53.8	55.2*	54.0	57.1
Channel 4517R Brand	68.7	63.5*	53.9	47.7	51.6	57.1
NK S44-D5 Brand	64.6	59.8*	52.5	53.4*	53.0	56.6
Morsoy RT 4707N	67.7	64.0*	53.8	44.6	51.4	56.3
Willcross RR2498NSTS	63.3	61.8*	51.1	49.6*	55.3*	56.2
Morsoy RTS 4824	71.5	59.8*	52.2	45.4	52.1	56.2
Fontanelle Exp441	58.1	58.6	57.5*	49.0*	57.7*	56.2

Table 33. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Harrisonville	Adrian	Urich	Nevada	Lamar	Mean
Midland 4270NR2	68.6	61.9*	55.0	45.9	49.3	56.1
Schillinger 4990.RC	70.6	54.9	53.2	48.5	53.3	56.1
Schillinger 458.RCS	62.8	57.9	51.2	55.9*	52.4	56.0
Asgrow AG4903	64.8	61.6*	51.1	53.2*	49.5	56.0
Stone 3B408NRR	69.1	54.8	54.0	45.6	54.8*	55.6
MPG 4406nRR	62.4	60.8*	49.8	54.6*	49.7	55.4
Willcross RR2490NSTS	67.7	54.1	57.2*	44.3	53.9	55.4
Schillinger 4880.RC	71.5	52.9	56.1*	40.5	51.1	54.4
Asgrow DKB46-51	67.7	50.0	53.1	46.6	53.6	54.2
Pioneer 94Y20	60.8	59.7*	55.2	46.5	48.5	54.1
NK S41-R6 Brand	62.6	57.4	52.0	51.9*	46.0	54.0
NK S48-C9 Brand	66.2	47.6	55.4	44.3	54.5*	53.6
Stone 3A449NRR/STS	61.2	53.1	51.8	53.3*	48.4	53.6
Willcross RR2470NSTS	54.2	53.0	55.8*	51.3*	53.3	53.5
Asgrow AG4606	55.2	57.3	54.9	46.7	52.0	53.2
Dyna-Gro 38C42	57.4	59.3	53.4	50.9*	45.0	53.2
Schillinger 478.RCS	61.9	52.7	49.7	48.7*	52.7	53.1
Willcross RR2878NSTS	51.7	55.9	55.2	49.8*	52.9	53.1
Morsoy RT 4485N	58.9	57.5	48.2	53.3*	46.0	52.8
Lewis 4729	53.8	55.8	47.8	49.7*	55.5*	52.5
Willcross RR2484N	55.1	52.1	55.2	46.8	52.8	52.4
Fontanelle 460RRSTS	55.5	47.5	48.2	49.4*	51.2	50.4
Schillinger 495.RC	62.4	46.1	50.8	39.6	51.5	50.1
Schillinger 499.RC	60.1	45.4	49.9	38.4	54.4*	49.6
Dyna-Gro V47N9RS	52.2	50.6	45.6	48.3	51.5	49.6
S06-3929	49.9	53.7	45.7	45.7	49.3	48.9
GROUP 4 AVERAGE	64.7	58.0	54.4	49.7	52.8	55.9
L.S.D. AT .10	9.5	6.1	6.3	8.8	5.3	3.3
C.V. %	10.9	7.2	8.6	12.9	7.4	9.4
MATURITY GROUP 5						
Willcross RR2507NSTS	58.8**	57.2**	53.8*	46.0	51.0*	53.4**
Morsoy RT 5154N	47.5	50.7*	56.6**	51.3*	49.7*	51.2*
S06-3095	44.6	46.0	44.0	55.8**	53.2*	48.7
S06-4649	36.2	46.9	41.3	53.9*	53.4**	46.3
MPG 5308nRR	36.6	39.5	44.6	54.3*	51.7*	45.3
MPG 5505nRR/STS	46.5	43.3	48.5	39.0	46.4	44.7
MPG 5407nRR	43.3	45.5	47.2	44.8	40.0	44.2
Willcross RR2547N	46.1	48.1	42.4	37.3	44.2	43.6
Willcross RR2544NSTS	36.0	45.7	40.9	37.7	48.1	41.7
Asgrow AG5405	34.9	40.8	43.2	35.9	46.7	40.3
Pioneer 95Y20	34.8	45.0	38.4	34.8	46.2	39.8
Schillinger 5440.R	30.5	41.2	41.0	37.2	40.0	38.0
Schillinger 557.RC	29.6	35.3	43.1	32.0	47.4	37.5
Asgrow AG5605	27.2	35.3	41.2	38.4	44.0	37.2
GROUP 5 AVERAGE	39.5	44.3	44.7	42.7	47.3	43.7
L.S.D. AT .10	6.6	8.7	3.5	5.8	4.5	2.7
C.V. %	13.8	16.2	6.5	11.3	8.1	11.2

** 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.

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

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=6.3, OM=3.0%, P=32, K=658

Cyst Nematode Population at Planting: 0 Eggs/100cc of Soil

Rainfall: May=3.1, June=6.2, July=5.0, Aug.=2.7, Sept.=1.8 Total=23.2

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Emerge 477.TCS	6	4.7	45	1	74.6**	63.3**	69.0
SS 10L.49N	11	4.9	50	1	70.9*	--	--
HYC 7	--	4.6	46	2	69.2*	62.3*	65.8
MPG X-45-1	11	4.5	45	1	66.9*	--	--
SS 09L.49N	11	4.9	50	1	66.3*	--	--
Morsoy LL4998N	11	4.9	49	1	65.0*	--	--
SS 09L.47N	11	4.7	52	1	64.0	--	--
Glenn	5	5.5	32	3	63.9	--	--
Emerge 435.TCS	6	4.3	35	2	60.5	--	--
Emerge 447.TC	6	4.4	41	1	59.2	--	--
HYC 9	--	5.5	45	2	58.2	60.8*	59.5
SS 10L.51N	11	5.1	36	3	58.2	--	--
Magellan	5	4.3	40	1	56.7	--	--
MPV 4238N	5	4.2	42	1	54.3	54.2	54.3
HYC 8	--	4.9	52	2	51.8	62.8*	57.3
V03-4705	None	4.7	33	3	47.7	--	--
Jake	5	5.4	32	2	47.2	54.0	50.6
Stoddard	5	4.9	30	3	43.3	56.1	49.7
V03-4660	None	4.6	41	3	40.1	--	--
S05-11268	4	5.2	40	3	37.9	--	--
S05-11482	4	5.2	29	3	33.7	--	--
GROUP 4 AVERAGE			41	2	56.6	59.1	57.9
L.S.D. AT .10					9.7	4.1	
C.V. %					11.1	5.7	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Southwest Region: Adrian, MO (Bates County)

Soil Type: Kenoma Silt Loam Soil Test: pH=6.5, OM=3.1%, P=116, K=492

Cyst Nematode Population at Planting: 5118 Eggs/100cc of Soil

Rainfall: May=6.3, June=6.1, July=4.2, Aug.=4.3, Sept.=4.3 Total=25.2

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
HYC 9	--	5.5	43	2	61.4**	47.9*	54.7
HYC 7	--	4.6	45	1	60.6*	45.2	52.9
Emerge 435.TCS	6	4.3	35	1	58.3*	--	--
HYC 8	--	4.9	44	2	56.8*	46.8*	51.8
Emerge 447.TC	6	4.4	40	1	56.3*	--	--
MPV 4238N	5	4.2	39	1	53.8	37.1	45.5
Jake	5	5.4	37	2	53.7	44.7	49.2
Emerge 477.TCS	6	4.7	37	1	53.0	41.6	47.3
MPG X-45-1	11	4.5	44	1	52.9	--	--
SS 10L.51N	11	5.1	36	3	52.7	--	--
Glenn	5	5.5	37	2	50.3	--	--
V03-4705	None	4.7	39	2	48.2	--	--
V03-4660	None	4.6	40	3	47.0	--	--
Magellan	5	4.3	43	2	46.2	--	--
SS 09L.49N	11	4.9	41	1	44.6	--	--
SS 09L.47N	11	4.7	35	3	43.5	--	--
S05-11482	4	5.2	40	3	43.5	--	--
SS 10L.49N	11	4.9	45	1	42.2	--	--
Stoddard	5	4.9	45	1	41.8	49.3**	45.6
S05-11268	4	5.2	34	3	40.2	--	--
Morsoy LL4998N	11	4.9	40	1	39.2	--	--
GROUP 4 AVERAGE			40	2	49.8	44.7	47.3
L.S.D. AT .10					6.1	3.8	
C.V. %					12.5	6.9	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=6.2, OM=2.9%, P=36, K=318

Cyst Nematode Population at Planting: 627 Eggs/100cc of Soil

Rainfall: May=5.0, June=9.6, July=5.2, Aug.=2.8, Sept.=5.5 Total=28.1

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
HYC 8	--	4.9	45	2	56.4**	56.4**	56.4
SS 09L.47N	11	4.7	45	1	56.2*	--	--
HYC 7	--	4.6	45	2	56.1*	53.0*	54.6
MPG X-45-1	11	4.5	46	1	54.6*	--	--
SS 10L.51N	11	5.1	40	2	51.7*	--	--
Glenn	5	5.5	42	3	50.7*	--	--
SS 09L.49N	11	4.9	44	1	50.4*	--	--
Emerge 447.TC	6	4.4	40	2	50.3*	--	--
SS 10L.49N	11	4.9	45	1	50.3*	--	--
Morsoy LL4998N	11	4.9	46	1	49.3	--	--
MPV 4238N	5	4.2	40	2	49.3	43.0	46.2
V03-4705	None	4.7	42	2	48.4	--	--
Magellan	5	4.3	41	3	48.1	--	--
Emerge 477.TCS	6	4.7	43	2	47.7	46.8	47.3
Jake	5	5.4	43	3	45.7	44.4	45.1
HYC 9	--	5.5	42	2	44.5	54.0*	49.3
S05-11482	4	5.2	34	3	44.4	--	--
Emerge 435.TCS	6	4.3	35	1	43.1	--	--
S05-11268	4	5.2	40	3	38.9	--	--
V03-4660	None	4.6	40	3	35.2	--	--
Stoddard	5	4.9	35	3	31.3	45.6	38.5
GROUP 4 AVERAGE			42	2	47.7	49.0	48.4
L.S.D. AT .10					6.4	4.5	
C.V. %					9.6	7.5	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Southwest Region: Nevada, MO (Vernon County)

Soil Type: Parson Silt Loam Soil Test: pH=5.9, OM=1.8%, P=28, K=166

Cyst Nematode Population at Planting: 1705 Eggs/100cc of Soil

Rainfall: May=8.9, June=8.2, July=5.2, Aug.=3.5, Sept=5.1 Total=30.9

Irrigation: 4.0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
S05-11482	4	5.2	42	2	58.1**	--	--
Jake	5	5.4	44	2	57.6*	50.1**	53.9
HYC 8	--	4.9	46	1	56.9*	42.0	49.5
MPG X-45-1	11	4.5	40	1	56.7*	--	--
V03-4705	None	4.7	38	2	55.4*	--	--
HYC 7	--	4.6	44	1	54.4*	38.0	46.2
Emerge 477.TCS	6	4.7	34	1	52.1*	41.4	46.8
HYC 9	--	5.5	39	1	51.1*	47.7*	49.4
S05-11268	4	5.2	35	2	50.2*	--	--
Stoddard	5	4.9	35	3	50.1*	48.2*	49.2
MPV 4238N	5	4.2	36	1	48.4	35.1	41.8
Glenn	5	5.5	34	2	48.1	--	--
Emerge 435.TCS	6	4.3	30	1	47.2	--	--
Emerge 447.TC	6	4.4	37	1	46.5	--	--
SS 09L.47N	11	4.7	43	2	45.9	--	--
SS 10L.51N	11	5.1	35	2	44.0	--	--
V03-4660	None	4.6	38	2	40.0	--	--
Morsoy LL4998N	11	4.9	45	1	38.3	--	--
SS 09L.49N	11	4.9	37	1	34.8	--	--
SS 10L.49N	11	4.9	36	1	34.5	--	--
Magellan	5	4.3	37	3	32.5	--	--
GROUP 4 AVERAGE			38	2	47.8	43.2	45.5
L.S.D. AT .10					8.4	4.9	
C.V. %					11.5	9.2	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parsons Silt Loam Soil Test: pH=6.9, OM=1.4%, P=52, K=166

Cyst Nematode Population at Planting: 4034 Eggs/100cc of Soil

Rainfall: May=6.4, June=6.7, July=5.4, Aug.=2.6, Sept.=6.0 Total=27.1

Irrigation: 0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
S05-11482	4	5.2	29	1	54.9**	--	--
Jake	5	5.4	32	1	52.6*	31.7	42.2
V03-4705	None	4.7	30	1	51.6*	--	--
HYC 8	--	4.9	40	1	51.2*	39.6**	45.4
S05-11268	4	5.2	26	1	50.9*	--	--
SS 09L.47N	11	4.7	36	1	49.9*	--	--
MPG X-45-1	11	4.5	37	1	47.9	--	--
Emerge 477.TCS	6	4.7	35	1	46.7	30.8	38.8
HYC 9	--	5.5	30	1	45.3	31.2	38.3
HYC 7	--	4.6	39	1	44.9	36.5*	40.7
Stoddard	5	4.9	25	1	44.1	39.2*	41.7
MPV 4238N	5	4.2	32	1	43.4	24.7	34.1
Emerge 435.TCS	6	4.3	30	1	43.4	--	--
SS 09L.49N	11	4.9	36	1	41.8	--	--
V03-4660	None	4.6	25	1	41.3	--	--
SS 10L.51N	11	5.1	27	1	41.2	--	--
Emerge 447.TC	6	4.4	35	1	40.5	--	--
Morsoy LL4998N	11	4.9	32	1	37.2	--	--
Magellan	5	4.3	30	1	36.1	--	--
SS 10L.49N	11	4.9	37	1	35.9	--	--
Glenn	5	5.5	25	1	34.2	--	--
GROUP 4 AVERAGE			32	1	44.5	33.4	39.0
L.S.D. AT .10					5.6	4.2	
C.V. %					9.1	10.3	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 39. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Five Southwest Missouri locations (Harrisonville, Adrian, Urich, Nevada, Lamar) during 2009.

<u>Harrisonville</u> Planted: 05-21 Harvested: 11-09 Growing Season Rainfall: 23.2 Irrigation: 0 in.	<u>Adrian</u> Planted: 05-22 Harvested: 10-21,11-08 Growing Season Rainfall: 25.2 Irrigation: 0 in.	<u>Urich</u> Planted: 06-05 Harvested: 11-13 Growing Season Rainfall: 28.1 Irrigation: 0 in.
<u>Nevada</u> Planted: 05-22 Harvested: 11-07,08 Growing Season Rainfall: 30.9 Irrigation: 4 in.	<u>Lamar</u> Planted: 05-22 Harvested: 10-20,11-07 Growing Season Rainfall: 27.1 Irrigation: 0 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
HYC 7	69.2*	60.6*	56.1*	54.4*	44.9	57.0**
MPG X-45-1	66.9*	52.9	54.6*	56.7*	47.9	55.8*
Emerge 477.TCS	74.6**	53.0	47.7	52.1*	46.7	54.8*
HYC 8	51.8	56.8*	56.4**	56.9*	51.2*	54.6*
HYC 9	58.2	61.4**	44.5	51.1*	45.3	52.1
SS 09L.47N	64.0	43.5	56.2*	45.9	49.9*	51.9
Jake	47.2	53.7	45.7	57.6*	52.6*	51.4
Emerge 447.TC	59.2	56.3*	50.3*	46.5	40.5	50.6
Emerge 435.TCS	60.5	58.3*	43.1	47.2	43.4	50.5
V03-4705	47.7	48.2	48.4	55.4*	51.6*	50.3
MPV 4238N	54.3	53.8	49.3	48.4	43.4	49.8
SS 10L.51N	58.2	52.7	51.7*	44.0	41.2	49.6
Glenn	63.9	50.3	50.7*	48.1	34.2	49.4
SS 09L.49N	66.3*	44.6	50.4*	34.8	41.8	47.6
S05-11482	33.7	43.5	44.4	58.1**	54.9**	46.9
SS 10L.49N	70.9*	42.2	50.3*	34.5	35.9	46.8
Morsoy LL4998N	65.0*	39.2	49.3	38.3	37.2	45.8
Magellan	56.7	46.2	48.1	32.5	36.1	43.9
S05-11268	37.9	40.2	38.9	50.2*	50.9*	43.6
Stoddard	43.3	41.8	31.3	50.1*	44.1	42.1
V03-4660	40.1	47.0	35.2	40.0	41.3	40.7
GROUP 4 AVERAGE	56.6	49.8	47.7	47.8	44.5	49.3
L.S.D. AT .10	9.7	6.1	6.4	8.4	5.6	3.4
C.V. %	11.1	12.5	9.6	11.5	9.1	10.8

** 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.

Southeast Region Crop Management Summary

There are five locations in the Southeast Region for Glyphosate Resistant and Non-Glyphosate Resistant / Special Traits Soybean Tests this year. 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 slightly between locations but tend to reflect those followed by farmers in the area.

Yields at the five Southeast Region locations were good this year, with some individual varieties topping 80 bushels at four of the five sites. Rainfall was adequate for the growing season but four of the sites received supplemental irrigation to boost the soybeans' performance. Yields averaged 65 bushels per acre for all varieties at all sites. Asana was sprayed twice this summer at the Chaffee site to control Japanese beetle.

Climatological information for the growing season (May 1 – September 30) for the Southeast Region is summarized below and cultural practices for each site are listed in Table 33.

Average temperature = 73.4 degrees, 0.7 below normal

Average precipitation = 22.6", 3.5" above normal

Table 40. 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>								
Chaffee	05-20	09-29, 10-19	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	
Dexter	06-19	11-03	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	
Morehouse	06-02	09-30, 11-05	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Roundup PowerMax
Portageville (Loam)	05-19	09-28, 10-18	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Roundup PowerMax
Portageville (Clay)	05-19	09-30, 11-06	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Roundup PowerMax
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Chaffee	05-20	10-19	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Asana
Dexter	06-19	11-03	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	
Morehouse	06-02	11-05	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Select, Flexstar
Portageville (Loam)	05-19	10-18	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Select, Flexstar
Portageville (Clay)	05-19	11-06	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Select, Flexstar

TABLE 41. Glyphosate Resistant Soybean Test

Southeast Region: Chaffee, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.4; OM=1.3%; P=66; K=246

Cyst Nematode Population at Planting: 622 Eggs/100cc of Soil

Rainfall: May=5.9; June=3.3; July=2.7; Aug=3.2; Sept=1.7 Total=16.8

Irrigation: None

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
MATURITY GROUP 3							
Asgrow AG3803	6	3.8	36	4	65.7**	--	--
Progeny P3909RR	4	3.9	39	1	64.0	--	--
NK S39-A3 Brand	6	3.9	42	4	62.9	76.1*	69.5
Hornbeck HBK R3927	2,9	3.9	45	4	60.3	65.6	63.0
GROUP 3 AVERAGE			40	3	63.2	72.8	68.0
L.S.D. AT .10					NS	5.8	
C.V. %					7.4	6.5	
MATURITY GROUP 4							
Progeny P4807RR	4	4.8	45	4	79.1**	74.1*	76.6
Armor ARX 0472	6	4.7	33	3	78.0*	--	--
Schillinger 478.RCS	6	4.7	41	3	76.6*	78.9*	77.8
NK S49-H7 Brand	6	4.9	42	2	75.6*	78.5*	77.1
Mersch. Atlanta 1047RR2Y	1	4.7	36	2	74.5*	--	--
Mersch. Houston 747RR	2,8,10	4.7	32	1	74.2*	72.1	73.1
Asgrow AG4903	6	4.9	45	2	74.0*	69.3	71.7
Delta King DKX 0461	6	4.6	39	3	73.9*	--	--
Mersch. Nashville 749RR	2,8,10	4.9	37	1	73.9*	77.2*	75.6
Delta King DKR 4744s	6	4.6	42	3	73.9*	--	--
Asgrow AG4606	6	4.6	36	2	73.3*	70.9	72.1
Schillinger 458.RCS	6	4.5	37	2	72.8*	--	--
Delta Grow 4970RR	4	4.9	54	3	72.0	59.5	65.8
Hornbeck HBK R4727	2,9	4.7	39	3	71.6	76.8*	74.2
Asgrow AG4907	6	4.9	45	3	71.5	81.0**	76.3
Asgrow AG4303	6	4.3	36	2	71.5	73.0*	72.3
Progeny P4606RR	4	4.6	36	1	71.0	74.9*	73.0
Delta Grow 4470RR/STS	4	4.4	33	2	70.8	64.5	67.7
Pioneer 94Y91	6	4.9	46	1	70.7	--	--
Progeny P4908RR	4	4.9	42	3	70.6	70.7	70.6
Morsoy RTS 4824	6	4.8	39	4	70.5	--	--
Dairyland 8482/RR	6	4.8	41	3	70.3	73.0*	71.7
Pioneer 94Y70	6	4.7	45	2	70.2	68.0	69.1
Armor 47-F8	6	4.7	35	1	70.0	74.9*	72.5
Delta King DK 4770	6	4.7	45	3	69.9	78.2*	74.1
Southern Cross Caleb	None	4.4	36	1	69.6	63.0	66.3
Armor 47-R33	6	4.7	36	2	69.4	--	--
Dyna-Gro 36C44	4	4.4	33	1	69.3	67.5	68.4
Morsoy RTS 4955N	6	4.9	37	4	69.1	78.0*	73.6
USG 74A91	4,7	4.9	38	4	69.1	--	--
Southern Cross Galilee	None	4.7	39	3	69.0	73.6*	71.3
Dyna-Gro 37P49	4	4.9	39	2	68.6	68.9	68.8
Morsoy RT 4919N	6	4.9	36	1	68.6	--	--
USG 74G78	4,7	4.7	36	1	68.6	75.6*	72.1

TABLE 41. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Pioneer 94Y60	6	4.6	33	1	68.5	68.2	68.4
Dairyland 48-000/RR	6	4.8	40	4	68.5	--	--
Dyna-Gro 32R46	4	4.6	33	1	68.3	69.1	68.7
Southern Cross Rufus	None	4.7	39	2	68.2	71.6	69.9
Asgrow AG4005	6	4.0	36	1	68.2	65.7	67.0
Southern Cross Eli	None	4.7	32	1	68.2	65.5	66.9
Armor 42-M1	6	4.2	33	1	68.1	71.1	69.6
Channel 4820R Brand	4	4.8	39	2	68.0	65.5	66.8
Dyna-Gro 36Y48	4	4.8	42	4	68.0	71.7	69.9
Armor 44-K6	6	4.4	34	1	68.0	71.3	69.7
Delta Grow 4975RR	4	4.9	39	3	67.9	72.5	70.2
Dyna-Gro 32P48	4	4.8	39	4	67.8	67.3	67.6
Dyna-Gro V48N7RS	4	4.8	33	1	67.7	--	--
Terral-REV49R10	4	4.9	51	5	67.5	--	--
Trisoy 4788RR(CN)	2,8,10	4.7	38	3	67.5	74.4*	71.0
NK S46-U6 Brand	6	4.6	42	4	67.2	70.1	68.6
Terral TV49R19	3,9	4.9	43	1	67.2	62.1	64.6
Mersch. Memphis 943RR	2,8,10	4.3	33	1	67.2	69.3	68.3
Mersch. Boston 1046RR2Y	1	4.6	36	1	67.1	--	--
MPG 4810RR	11	4.8	39	3	67.0	--	--
Armor ARX 0474	6	4.7	39	3	67.0	--	--
Dyna-Gro 33Y45	4	4.5	39	4	67.0	67.4	67.2
Delta Grow 4780RR	4	4.7	42	4	66.8	76.4*	71.6
Morsoy RTS 4706N	6	4.7	39	2	66.8	68.8	67.8
Trisoy 4760RR(CN)	2,8,10	4.7	35	1	66.6	74.7*	70.6
Delta Grow 4770RR	4	4.7	38	4	66.1	69.5	67.8
Armor 47-G10	6	4.7	42	3	65.8	--	--
Dairyland 4300/RR	6	4.3	39	5	65.7	67.4	66.6
Hornbeck HBK R4924	2,9	4.9	43	3	65.7	80.0*	72.9
USG 74E88	4,7	4.8	45	3	65.6	--	--
Progeny P4906RR	4	4.9	39	3	65.5	74.6*	70.1
Dyna-Gro V47N9RS	6	4.7	36	2	65.5	--	--
Terral-REV49R20	4	4.9	42	4	65.3	--	--
Dairyland 4500/RRSTS	6	4.5	42	5	64.8	59.6	62.2
Terral-REV49R21	4	4.9	45	3	64.7	--	--
Progeny P4206RR	4	4.2	33	2	64.2	70.4	67.3
Trisoy 4586RR(CN)	2,8,10	4.5	35	2	64.1	66.3	65.2
Mersch. Norfolk 741RR	2,8,10	4.1	36	2	64.1	71.7	67.9
MPG 4909nRR	11	4.9	36	3	64.0	59.0	61.5
Schillinger 4990.RC	6	4.9	42	3	63.9	--	--
Progeny P4508RR	4	4.5	45	3	63.8	65.3	64.6
Progeny P4706RR	4	4.7	45	3	63.8	64.2	64.0
Mersch. Denver 1043RR	2,8,10	4.3	36	1	63.7	--	--
Armor ARX 0431	6	4.3	42	3	63.6	--	--
Asgrow AG4703	6	4.7	39	3	63.4	67.3	65.4
Hornbeck HBK R4729	2,9	4.7	38	3	63.3	--	--
Morsoy RT 4707N	6	4.7	42	3	63.2	75.9*	69.6
Pioneer 94Y01	6	4.0	39	3	63.2	--	--
Pioneer 94Y20	6	4.2	39	3	63.1	63.0	63.1
Morsoy RT 4914N	6	4.9	48	4	63.1	--	--
Schillinger 495.RC	6	4.9	46	5	63.0	67.8	65.4
S06-3929	4	4.8	47	3	62.7	--	--
Schillinger 499.RC	6	4.9	38	4	62.7	--	--

TABLE 41. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
NK S48-C9 Brand	6	4.8	39	3	62.2	--	--
Delta Grow 4150RR	4	4.1	39	3	62.2	61.8	62.0
Dairyland 8474/RR	6	4.7	38	2	62.0	--	--
Armor ARX 0432	6	4.3	35	2	61.5	--	--
Channel 4517R Brand	4	4.5	39	3	61.4	51.2	56.3
Schillinger 4880.RC	6	4.8	42	4	61.2	--	--
USG 74F96	4,7	4.9	42	3	61.0	--	--
Terral TV49R17	3,9	4.9	51	2	60.9	--	--
Morsoy RT 4485N	6	4.4	42	4	60.8	72.4	66.6
USG 74A88	4,7	4.8	39	3	60.4	73.1*	66.8
Trisoy 4184RR(CN)	2,8,10	4.1	36	3	60.3	75.1*	67.7
Delta Grow 4840RR	4	4.8	42	5	60.1	63.5	61.8
Delta King DK4968	6	4.9	39	4	60.0	--	--
Delta King DK 4560	6	4.5	37	4	59.9	72.7	66.3
Pioneer 94Y80	6	4.8	39	5	59.9	--	--
Armor 48-J3	6	4.8	39	4	59.6	68.4	64.0
Terral-REV45R10	4	4.5	36	3	59.4	--	--
Terral TV47R18	3,9	4.7	44	5	58.3	61.0	59.7
Progeny P4949RR	4	4.9	36	5	57.8	61.0	59.4
Mersch. Rocky RR	2,8,10	4.6	36	4	57.4	73.7*	65.6
USG 7473nRR	4,7	4.7	45	3	56.2	--	--
Armor 46-N7	6	4.5	36	4	54.8	--	--
Hornbeck HBK R4527	2,9	4.5	45	4	54.3	60.0	57.2
Delta Grow 4870RR	4	4.8	43	4	53.2	67.2	60.2
USG 74C36	4,7	4.3	38	4	51.0	--	--
GROUP 4 AVERAGE			39	3	66.1	68.8	67.5
L.S.D. AT .10					6.5	8.2	
C.V. %					6.9	8.5	
MATURITY GROUP 5							
USG 75M49	4,7	5.4	39	2	78.3**	--	--
Asgrow AG5405	6	5.4	39	2	78.1*	52.7	65.4
Armor 55-A5	6	5.5	42	3	75.5*	61.1*	68.3
Morsoy RT 5388N	6	5.3	42	2	75.2*	68.2**	71.7
NK S54-M7 Brand	6	5.4	48	3	74.7*	--	--
Terral TV54R28	3,9	5.4	45	4	74.4*	51.0	62.7
Schillinger 557.RC	6	5.5	41	2	74.4*	54.7	64.6
Progeny P5319RR	4	5.3	39	3	74.3*	--	--
Pioneer 95M50	6	5.5	45	3	74.3*	65.3*	69.8
Terral TV55R15	3,9	5.5	51	4	73.4*	57.6	65.5
Pioneer 95Y20	6	5.2	35	1	73.0*	55.4	64.2
Dyna-Gro 32A53	4	5.3	43	4	72.6*	54.1	63.4
Hornbeck HBK R5226	2,9	5.2	36	4	72.1*	50.3	61.2
Delta Grow 5170RR	4	5.1	37	1	71.9*	59.7*	65.8
NK S56-L5 Brand	6	5.6	46	3	71.6*	--	--
Delta Grow 5160RR/STS	4	5.1	46	3	71.1*	60.1*	65.6
S06-3095	4	5.2	36	4	71.0*	--	--
Hornbeck HBK R5525	2,9	5.5	30	3	70.9*	59.3*	65.1
Schillinger 5440.R	6	5.4	36	2	70.9*	--	--
Dyna-Gro V51N7RS	4	5.1	40	3	70.8*	--	--
Delta Grow 5555RR	4	5.5	42	3	70.5*	57.1	63.8
Dyna-Gro 32B57	4	5.7	36	3	70.4*	52.1	61.3
Asgrow AG5606	6	5.6	42	4	70.0	--	--

TABLE 41. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Progeny P5622RR	4	5.6	45	4	69.4	50.8	60.1
Mersch. Rushmore 959RR	2,8,10	5.9	37	3	69.4	64.8*	67.1
Dyna-Gro 35F55	4	5.5	39	4	69.3	55.2	62.3
Armor 53-Z5	6	5.3	30	1	69.2	55.6	62.4
Progeny P5115RR	4	5.1	46	1	69.0	56.8	62.9
Delta Grow 5280RR	4	5.2	39	4	68.4	54.7	61.6
USG 75Z38	4,7	5.3	34	4	68.3	47.9	58.1
S06-4649	4	5.2	48	4	67.1	--	--
Delta King DK-5363	6	5.3	42	4	67.0	--	--
Dairyland 8509/RR	6	5.0	44	3	67.0	55.2	61.1
Progeny P5409RR	4	5.4	45	2	66.4	--	--
Delta Grow 5300RR/STS	4	5.3	45	1	66.4	52.1	59.3
Delta King GP-533	6	5.3	39	4	66.4	53.5	60.0
Excel 8560NNRR	2	5.6	42	5	66.2	--	--
Dyna-Gro 31R54	4	5.4	42	3	66.2	51.0	58.6
Dyna-Gro 33X55	4	5.5	42	3	65.9	58.5*	62.2
Hornbeck HBK R5229	2,9	5.2	42	4	65.5	--	--
MPG 5308nRR	11	5.3	45	3	65.4	60.2*	62.8
MPG 5505nRR/STS	11	5.5	39	1	65.2	64.8*	65.0
Morsoy RT 5168	6	5.1	39	3	64.7	60.4*	62.6
Pioneer 95Y40	6	5.4	36	3	64.7	59.1*	61.9
Delta Grow 5450RR	4	5.4	42	4	64.6	56.9	60.8
Dyna-Gro 33B52	4	5.2	39	4	64.3	45.1	54.7
Progeny P5218RR	4	5.2	33	4	64.2	44.0	54.1
USG 75M16	4,7	5.1	44	3	64.1	--	--
Southern Cross Damascus	None	5.0	45	3	62.8	49.8	56.3
Hornbeck HBK R5425	2,9	5.4	47	4	62.6	49.9	56.3
USG 7515NRS	4,7	5.1	42	4	61.8	57.0	59.4
MPG 5407nRR	11	5.4	47	3	61.8	60.5*	61.2
Dyna-Gro 33C59	4	5.9	39	4	60.7	45.2	53.0
NK S52-F2 Brand	6	5.2	39	3	60.6	56.9	58.8
Progeny P5650RR	4	5.6	54	4	60.0	58.6*	59.3
Morsoy RT 5688N	6	5.6	39	4	58.5	48.1	53.3
GROUP 5 AVERAGE			41	3	68.4	55.2	61.8
L.S.D. AT .10					7.9	9.8	
C.V. %					8.0	12.5	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 42. Glyphosate Resistant Soybean Test

Southeast Region: Dexter, MO (Stoddard County)

Soil Type: Crowley Silt Loam Soil Test: pH=5.5, OM=1.5%, P=24, K=202

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=7.8, June=3.8, July=4.7, Aug=5.0, Sept=3.2 Total=24.5

Irrigation: 6.0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
MATURITY GROUP 3							
Progeny P3909RR	4	3.9	36	2	55.4**	--	--
Asgrow AG3803	6	3.8	34	2	53.6	--	--
Hornbeck HBK R3927	2,9	3.9	36	2	50.6	53.2	51.9
NK S39-A3 Brand	6	3.9	31	1	47.8	68.0*	57.9
GROUP 3 AVERAGE			34	2	51.8	65.3	58.6
L.S.D. AT .10					NS	6.4	
C.V. %					4.5	8.0	
MATURITY GROUP 4							
Delta King DK 4770	6	4.7	42	2	73.8**	75.6	74.7
Mersch. Memphis 943RR	2,8,10	4.3	33	1	73.8**	70.8	72.3
Armor 44-K6	6	4.4	30	1	72.5*	74.1	73.3
Delta Grow 4770RR	4	4.7	33	3	71.7*	69.7	70.7
Asgrow AG4303	6	4.3	30	1	71.3*	81.6*	76.5
USG 74E88	4,7	4.8	42	1	71.2*	--	--
Dairyland 4300/RR	6	4.3	30	1	71.2*	70.3	70.8
Delta Grow 4780RR	4	4.7	33	2	70.5*	71.4	71.0
Mersch. Denver 1043RR	2,8,10	4.3	36	2	70.0*	--	--
Armor ARX 0472	6	4.7	36	2	69.6*	--	--
Mersch. Houston 747RR	2,8,10	4.7	39	3	69.2*	75.8	72.5
Dyna-Gro 36C44	4	4.4	36	2	68.9*	71.5	70.2
NK S48-C9 Brand	6	4.8	34	3	68.8*	--	--
Morsoy RT 4919N	6	4.9	33	1	68.2*	--	--
Delta King DKR 4744s	6	4.6	39	3	68.1*	--	--
NK S46-U6 Brand	6	4.6	42	3	68.0*	80.4*	74.2
USG 74A91	4,7	4.9	36	1	68.0*	--	--
Dairyland 48-000/RR	6	4.8	28	1	67.9*	--	--
Armor 47-F8	6	4.7	36	1	67.9*	86.8**	77.4
Trisoy 4760RR(CN)	2,8,10	4.7	33	1	67.7*	66.2	67.0
Pioneer 94Y60	6	4.6	31	2	67.5*	68.1	67.8
Morsoy RTS 4706N	6	4.7	32	1	67.4*	82.5*	75.0
Dairyland 8482/RR	6	4.8	30	1	67.4*	63.6	65.5
Southern Cross Galilee	None	4.7	33	1	67.4*	84.3*	75.9
Mersch. Atlanta 1047RR2Y	1	4.7	33	2	67.3*	--	--
Terral TV47R18	3,9	4.7	39	3	67.3*	69.5	68.4
Armor 47-R33	6	4.7	36	2	67.1*	--	--
Trisoy 4788RR(CN)	2,8,10	4.7	36	1	66.9*	73.4	70.2
Hornbeck HBK R4727	2,9	4.7	36	3	66.8*	66.5	66.7
Delta Grow 4470RR/STS	4	4.4	35	2	66.7	63.5	65.1
Delta King DKX 0461	6	4.6	33	2	66.6	--	--
Asgrow AG4703	6	4.7	39	3	66.6	68.9	67.8
Schillinger 478.RCS	6	4.7	45	3	66.6	69.9	68.3
Southern Cross Caleb	None	4.4	42	2	66.5	72.3	69.4

TABLE 42. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
NK S49-H7 Brand	6	4.9	36	1	66.4	75.7	71.1
Morsoy RTS 4824	6	4.8	35	2	66.2	--	--
Pioneer 94Y70	6	4.7	36	3	66.0	75.8	70.9
Dairyland 4500/RRSTS	6	4.5	39	1	66.0	63.6	64.8
S06-3929	4	4.8	36	3	66.0	--	--
Dyna-Gro 32R46	4	4.6	36	2	65.9	75.4	70.7
Dyna-Gro V48N7RS	4	4.8	36	1	65.8	--	--
Terral-REV49R10	4	4.9	30	1	65.5	--	--
USG 74G78	4,7	4.7	35	2	65.4	74.8	70.1
Dyna-Gro 32P48	4	4.8	33	1	65.4	71.3	68.4
Armor 42-M1	6	4.2	36	1	65.4	71.9	68.7
Dairyland 8474/RR	6	4.7	30	1	65.2	--	--
Schillinger 495.RC	6	4.9	30	1	65.1	62.2	63.7
Schillinger 4990.RC	6	4.9	30	1	65.1	--	--
Trisoy 4586RR(CN)	2,8,10	4.5	39	1	64.8	74.7	69.8
Delta Grow 4975RR	4	4.9	36	3	64.3	70.1	67.2
Channel 4820R Brand	4	4.8	39	3	64.2	71.7	68.0
Pioneer 94Y01	6	4.0	30	1	64.1	--	--
Armor ARX 0431	6	4.3	33	1	64.1	--	--
Progeny P4508RR	4	4.5	36	1	63.9	59.2	61.6
Morsoy RT 4707N	6	4.7	39	1	63.5	69.0	66.3
Dyna-Gro V47N9RS	6	4.7	39	3	63.5	--	--
Schillinger 458.RCS	6	4.5	30	1	63.2	--	--
Southern Cross Rufus	None	4.7	30	1	63.1	71.6	67.4
Progeny P4606RR	4	4.6	32	1	63.1	68.3	65.7
USG 74F96	4,7	4.9	33	3	63.0	--	--
Delta King DK4968	6	4.9	30	1	62.9	--	--
Southern Cross Eli	None	4.7	33	1	62.8	67.7	65.3
Delta King DK 4560	6	4.5	36	1	62.8	62.8	62.8
USG 7473nRR	4,7	4.7	42	3	62.8	--	--
Armor 46-N7	6	4.5	30	1	62.7	--	--
Dyna-Gro 37P49	4	4.9	39	3	62.7	71.9	67.3
Armor ARX 0474	6	4.7	35	2	62.5	--	--
Hornbeck HBK R4527	2,9	4.5	30	2	62.4	60.1	61.3
Pioneer 94Y20	6	4.2	39	3	62.3	68.5	65.4
Trisoy 4184RR(CN)	2,8,10	4.1	33	2	62.3	60.0	61.2
Progeny P4706RR	4	4.7	42	3	62.2	69.3	65.8
Hornbeck HBK R4729	2,9	4.7	33	3	62.0	--	--
Pioneer 94Y91	6	4.9	38	3	61.4	--	--
Progeny P4807RR	4	4.8	36	2	61.2	76.0	68.6
Terral TV49R17	3,9	4.9	42	2	61.1	--	--
Asgrow AG4005	6	4.0	33	1	61.1	69.4	65.3
Morsoy RTS 4955N	6	4.9	30	1	61.0	71.1	66.1
Delta Grow 4970RR	4	4.9	30	1	61.0	59.9	60.5
Channel 4517R Brand	4	4.5	42	4	61.0	56.0	58.5
Pioneer 94Y80	6	4.8	35	1	61.0	--	--
Asgrow AG4606	6	4.6	39	3	61.0	73.1	67.1
Asgrow AG4907	6	4.9	34	3	60.8	73.7	67.3
Asgrow AG4903	6	4.9	39	2	60.7	66.0	63.4
Armor ARX 0432	6	4.3	36	2	60.6	--	--
Mersch. Boston 1046RR2Y	1	4.6	34	1	60.5	--	--
Dyna-Gro 36Y48	4	4.8	36	1	60.4	66.1	63.3
Delta Grow 4150RR	4	4.1	36	1	60.3	65.0	62.7

TABLE 42. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Mersch. Norfolk 741RR	2,8,10	4.1	27	1	60.1	71.1	65.6
Progeny P4906RR	4	4.9	33	2	60.0	66.9	63.5
Delta Grow 4870RR	4	4.8	36	1	59.8	62.3	61.1
Progeny P4206RR	4	4.2	36	1	59.7	64.4	62.1
Delta Grow 4840RR	4	4.8	39	2	59.7	64.2	62.0
Dyna-Gro 33Y45	4	4.5	45	3	59.7	64.7	62.2
MPG 4909nRR	11	4.9	42	3	59.3	73.6	66.5
Terral-REV45R10	4	4.5	30	1	59.2	--	--
Terral-REV49R21	4	4.9	42	5	59.1	--	--
Progeny P4908RR	4	4.9	40	3	59.1	68.4	63.8
Mersch. Rocky RR	2,8,10	4.6	36	1	58.9	73.5	66.2
Armor 47-G10	6	4.7	34	2	58.9	--	--
Terral-REV49R20	4	4.9	31	1	58.7	--	--
Armor 48-J3	6	4.8	36	4	57.7	67.5	62.6
Mersch. Nashville 749RR	2,8,10	4.9	33	1	57.6	72.9	65.3
Schillinger 4880.RC	6	4.8	39	3	57.6	--	--
USG 74A88	4,7	4.8	30	1	57.4	77.9*	67.7
Terral TV49R19	3,9	4.9	33	2	56.9	67.1	62.0
Morsoy RT 4485N	6	4.4	36	2	56.8	59.0	57.9
Hornbeck HBK R4924	2,9	4.9	30	2	56.1	75.4	65.8
Progeny P4949RR	4	4.9	34	1	55.9	71.8	63.9
Schillinger 499.RC	6	4.9	30	1	55.7	--	--
Morsoy RT 4914N	6	4.9	30	1	55.5	--	--
MPG 4810RR	11	4.8	33	2	54.0	--	--
USG 74C36	4,7	4.3	37	4	51.6	--	--
GROUP 4 AVERAGE			35	2	63.7	68.1	65.9
L.S.D. AT .10					7.0	10.1	
C.V. %					8.1	10.7	

MATURITY GROUP 5

Delta Grow 5170RR	4	5.1	39	2	67.6**	60.5	64.1
Delta Grow 5160RR/STS	4	5.1	45	4	67.2*	74.1*	70.6
Schillinger 557.RC	6	5.5	51	5	66.9*	62.5	64.7
Excel 8560NNRR	2	5.6	42	4	64.4*	--	--
Progeny P5622RR	4	5.6	45	4	64.2*	69.8	67.0
USG 75M49	4,7	5.4	46	5	64.0*	--	--
USG 7515NRS	4,7	5.1	48	4	64.0*	67.3	65.7
Morsoy RT 5388N	6	5.3	42	5	62.5*	66.6	64.6
Armor 55-A5	6	5.5	45	4	61.4*	68.3	64.9
Progeny P5115RR	4	5.1	42	5	61.2*	70.1	65.7
Morsoy RT 5688N	6	5.6	45	5	59.5*	70.0	64.8
Pioneer 95Y20	6	5.2	45	5	59.4*	65.2	62.3
Armor 53-Z5	6	5.3	45	5	58.5*	65.6	62.1
MPG 5407nRR	11	5.4	40	3	58.3*	72.2*	65.3
Southern Cross Damascus	None	5.0	44	5	57.9*	69.8	63.9
NK S56-L5 Brand	6	5.6	36	4	57.7*	--	--
Progeny P5409RR	4	5.4	41	5	57.4*	--	--
Asgrow AG5405	6	5.4	42	5	56.2*	63.3	59.8
Hornbeck HBK R5425	2,9	5.4	38	5	56.1*	68.5	62.3
MPG 5505nRR/STS	11	5.5	30	2	55.8*	68.8	62.3
Delta Grow 5300RR/STS	4	5.3	39	4	55.6*	64.4	60.0
Dyna-Gro 32B57	4	5.7	39	4	55.1	62.1	58.6
Dairyland 8509/RR	6	5.0	45	3	54.8	57.5	56.2

TABLE 42. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
NK S54-M7 Brand	6	5.4	33	2	54.3	--	--
Pioneer 95Y40	6	5.4	42	5	54.2	73.4*	63.8
NK S52-F2 Brand	6	5.2	48	5	53.1	61.8	57.5
Pioneer 95M50	6	5.5	42	4	52.9	64.9	58.9
Morsoy RT 5168	6	5.1	51	3	52.7	67.7	60.2
Hornbeck HBK R5525	2,9	5.5	42	3	51.9	70.6	61.3
Delta Grow 5450RR	4	5.4	36	5	51.9	66.7	59.3
Terral TV54R28	3,9	5.4	39	2	51.9	64.8	58.4
Progeny P5218RR	4	5.2	42	5	51.4	56.0	53.7
Schillinger 5440.R	6	5.4	39	5	51.4	--	--
Delta Grow 5280RR	4	5.2	36	3	51.0	59.8	55.4
Dyna-Gro V51N7RS	4	5.1	45	4	50.5	--	--
USG 75M16	4,7	5.1	42	4	49.9	--	--
Dyna-Gro 31R54	4	5.4	33	3	49.9	60.5	55.2
Dyna-Gro 33C59	4	5.9	42	4	48.8	62.8	55.8
Asgrow AG5606	6	5.6	30	1	48.4	--	--
MPG 5308nRR	11	5.3	39	4	48.1	62.8	55.5
Delta Grow 5555RR	4	5.5	45	4	47.9	54.3	51.1
Delta King GP-533	6	5.3	39	3	47.9	68.6	58.3
Dyna-Gro 32A53	4	5.3	45	3	46.7	60.5	53.6
Dyna-Gro 35F55	4	5.5	39	3	45.9	60.3	53.1
Hornbeck HBK R5226	2,9	5.2	42	5	45.8	59.5	52.7
Dyna-Gro 33X55	4	5.5	42	5	44.8	68.0	56.4
Progeny P5319RR	4	5.3	42	5	44.2	--	--
Terral TV55R15	3,9	5.5	45	4	44.0	53.3	48.7
Hornbeck HBK R5229	2,9	5.2	39	3	43.1	--	--
Progeny P5650RR	4	5.6	33	2	42.8	60.7	51.8
Delta King DK-5363	6	5.3	33	2	39.7	--	--
S06-4649	4	5.2	36	3	39.6	--	--
USG 75Z38	4,7	5.3	42	2	35.5	62.5	49.0
Mersch. Rushmore 959RR	2,8,10	5.9	36	2	33.0	65.5	49.3
S06-3095	4	5.2	39	4	29.3	--	--
Dyna-Gro 33B52	4	5.2	44	4	27.0	47.6	37.3
GROUP 5 AVERAGE			41	4	52.1	64.6	58.4
L.S.D. AT .10					12.0	7.3	
C.V. %					17.0	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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 43. Glyphosate Resistant Soybean Test

Southeast Region: Morehouse, MO (New Madrid County)

Soil Type: Sharkey Clay Soil Test: pH=6.3, OM=2.3%, P=32, K=388

Cyst Nematode Population at Planting: 1868 Eggs/100cc of Soil

Rainfall: May=7.7, June=5.0, July=5.3, Aug.=3.7, Sept.=4.8 Total=26.5

Irrigation: 6.0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
MATURITY GROUP 3							
Asgrow AG3803	6	3.8	24	1	74.2**	--	--
Progeny P3909RR	4	3.9	33	1	73.4	--	--
NK S39-A3 Brand	6	3.9	30	1	72.6	62.0	67.3
Hornbeck HBK R3927	2,9	3.9	42	2	69.0	60.7	64.9
GROUP 3 AVERAGE			32	1	72.3	62.1	67.2
L.S.D. AT .10					NS	3.3	
C.V. %					8.3	4.4	
MATURITY GROUP 4							
Mersch. Atlanta 1047RR2Y	1	4.7	39	1	83.2**	--	--
Armor 47-R33	6	4.7	38	2	82.1*	--	--
Progeny P4906RR	4	4.9	36	1	81.6*	59.7	70.7
Dairyland 4300/RR	6	4.3	36	1	81.2*	62.3	71.8
Delta King DKR 4744s	6	4.6	33	1	79.4*	--	--
Armor 47-F8	6	4.7	34	1	78.9*	64.4	71.7
Trisoy 4760RR(CN)	2,8,10	4.7	36	1	76.6*	67.0	71.8
MPG 4909nRR	11	4.9	36	1	76.5*	64.1	70.3
Dyna-Gro 36Y48	4	4.8	37	2	76.1*	69.2	72.6
Asgrow AG4903	6	4.9	36	2	75.5*	64.0	69.8
Asgrow AG4703	6	4.7	36	2	75.5*	65.2	70.4
USG 74G78	4,7	4.7	33	1	75.0*	68.4	71.7
Armor ARX 0472	6	4.7	36	2	74.7*	--	--
Dyna-Gro 37P49	4	4.9	40	3	74.5*	66.4	70.5
Progeny P4606RR	4	4.6	36	1	74.3*	67.1	70.7
Mersch. Memphis 943RR	2,8,10	4.3	35	1	74.1*	68.8	71.5
Dyna-Gro 32P48	4	4.8	36	1	74.0*	66.6	70.3
Schillinger 4880.RC	6	4.8	45	3	73.9*	--	--
Schillinger 4990.RC	6	4.9	33	2	73.9*	--	--
Delta King DKX 0461	6	4.6	28	1	73.6	--	--
Schillinger 478.RCS	6	4.7	35	3	73.3	63.9	68.6
USG 74A91	4,7	4.9	40	1	73.1	--	--
Terral-REV49R20	4	4.9	41	3	72.7	--	--
Dairyland 8482/RR	6	4.8	36	2	72.4	62.0	67.2
Mersch. Nashville 749RR	2,8,10	4.9	36	1	72.1	70.8	71.5
NK S48-C9 Brand	6	4.8	37	3	72.0	--	--
USG 74A88	4,7	4.8	36	1	72.0	67.4	69.7
Delta Grow 4975RR	4	4.9	36	3	71.6	64.8	68.2
Armor 47-G10	6	4.7	37	1	71.2	--	--
Delta Grow 4970RR	4	4.9	39	2	71.2	61.3	66.3
Mersch. Denver 1043RR	2,8,10	4.3	33	1	71.2	--	--
Morsoy RT 4914N	6	4.9	39	2	71.0	--	--
Dairyland 48-000/RR	6	4.8	38	1	70.8	--	--
Dairyland 8474/RR	6	4.7	33	1	70.6	--	--

TABLE 43. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Hornbeck HBK R4727	2,9	4.7	39	2	70.5	66.2	68.4
Terral TV49R17	3,9	4.9	51	3	70.4	--	--
Terral TV47R18	3,9	4.7	42	2	70.4	64.5	67.5
Morsoy RTS 4824	6	4.8	37	2	70.3	--	--
Morsoy RTS 4955N	6	4.9	41	3	70.3	68.3	69.3
Pioneer 94Y91	6	4.9	33	1	70.2	--	--
Mersch. Houston 747RR	2,8,10	4.7	32	1	70.1	65.8	68.0
Southern Cross Eli	None	4.7	27	1	70.0	66.4	68.2
Dyna-Gro V48N7RS	4	4.8	36	1	70.0	--	--
Morsoy RTS 4706N	6	4.7	36	2	69.9	62.6	66.3
Delta King DK 4770	6	4.7	42	3	69.9	71.2	70.6
NK S46-U6 Brand	6	4.6	42	1	69.9	65.1	67.5
Dairyland 4500/RRSTS	6	4.5	32	1	69.8	64.4	67.1
USG 74F96	4,7	4.9	42	2	69.7	--	--
Delta Grow 4770RR	4	4.7	36	3	69.7	67.2	68.5
Morsoy RT 4707N	6	4.7	39	2	68.9	62.4	65.7
Hornbeck HBK R4729	2,9	4.7	36	2	68.5	--	--
Progeny P4908RR	4	4.9	40	2	68.4	66.0	67.2
Dyna-Gro 32R46	4	4.6	30	1	68.1	66.9	67.5
Armor ARX 0432	6	4.3	33	1	68.0	--	--
Southern Cross Caleb	None	4.4	30	1	68.0	64.0	66.0
Asgrow AG4303	6	4.3	30	1	67.6	63.6	65.6
Armor 42-M1	6	4.2	30	1	67.5	64.5	66.0
Terral-REV49R21	4	4.9	42	3	67.3	--	--
NK S49-H7 Brand	6	4.9	35	2	67.1	60.3	63.7
Southern Cross Galilee	None	4.7	33	2	67.0	70.5	68.8
Hornbeck HBK R4527	2,9	4.5	42	2	66.9	60.4	63.7
Delta King DK4968	6	4.9	39	2	66.8	--	--
Delta Grow 4870RR	4	4.8	35	1	66.8	64.4	65.6
Trisoy 4586RR(CN)	2,8,10	4.5	36	1	66.8	65.9	66.4
Schillinger 458.RCS	6	4.5	39	1	66.7	--	--
Trisoy 4184RR(CN)	2,8,10	4.1	33	1	66.6	64.9	65.8
Armor 46-N7	6	4.5	37	2	66.6	--	--
Terral TV49R19	3,9	4.9	36	1	66.5	49.9	58.2
Armor 44-K6	6	4.4	31	1	66.4	66.4	66.4
Progeny P4807RR	4	4.8	39	1	66.4	61.9	64.2
Dyna-Gro 36C44	4	4.4	31	1	66.4	68.9	67.7
Schillinger 495.RC	6	4.9	36	3	66.2	83.1**	74.6
Delta Grow 4780RR	4	4.7	39	1	65.7	67.3	66.5
USG 74E88	4,7	4.8	36	1	65.6	--	--
Progeny P4508RR	4	4.5	36	2	65.3	64.2	64.8
Armor 48-J3	6	4.8	36	2	65.3	66.5	65.9
Pioneer 94Y70	6	4.7	37	1	65.2	67.6	66.4
Mersch. Boston 1046RR2Y	1	4.6	33	1	65.0	--	--
Delta Grow 4470RR/STS	4	4.4	31	1	64.9	58.8	61.9
Progeny P4706RR	4	4.7	39	4	64.5	63.1	63.8
Asgrow AG4907	6	4.9	40	3	64.2	63.5	63.9
Delta Grow 4150RR	4	4.1	36	1	63.5	61.5	62.5
Progeny P4949RR	4	4.9	39	2	63.4	59.5	61.5
Dyna-Gro 33Y45	4	4.5	36	2	63.3	64.7	64.0
USG 7473nRR	4,7	4.7	42	2	63.3	--	--
Delta Grow 4840RR	4	4.8	37	2	63.2	66.9	65.1
Pioneer 94Y01	6	4.0	33	2	63.1	--	--

TABLE 43. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Mersch. Rocky RR	2,8,10	4.6	37	3	62.2	61.6	61.9
Pioneer 94Y80	6	4.8	35	4	61.7	--	--
Delta King DK 4560	6	4.5	34	1	61.6	66.7	64.1
Armor ARX 0474	6	4.7	36	2	61.5	--	--
Armor ARX 0431	6	4.3	33	1	61.4	--	--
Pioneer 94Y60	6	4.6	33	1	61.3	61.9	61.6
Schillinger 499.RC	6	4.9	36	2	60.6	--	--
Morsoy RT 4919N	6	4.9	31	1	60.6	--	--
Channel 4517R Brand	4	4.5	32	1	60.1	57.3	58.7
Terral-REV49R10	4	4.9	45	3	60.0	--	--
USG 74C36	4,7	4.3	35	2	59.9	--	--
Terral-REV45R10	4	4.5	39	2	59.9	--	--
Morsoy RT 4485N	6	4.4	36	2	59.7	68.8	64.3
MPG 4810RR	11	4.8	34	1	59.6	--	--
Asgrow AG4606	6	4.6	39	3	59.5	65.0	62.3
Asgrow AG4005	6	4.0	31	1	58.5	65.9	62.2
Hornbeck HBK R4924	2,9	4.9	40	2	58.5	67.5	63.0
S06-3929	4	4.8	39	2	58.4	--	--
Trisoy 4788RR(CN)	2,8,10	4.7	34	1	58.0	68.5	63.3
Dyna-Gro V47N9RS	6	4.7	30	1	56.1	--	--
Progeny P4206RR	4	4.2	36	1	55.6	58.1	56.9
Southern Cross Rufus	None	4.7	30	1	54.8	69.7	62.3
Mersch. Norfolk 741RR	2,8,10	4.1	30	1	54.5	61.2	57.9
Channel 4820R Brand	4	4.8	36	3	54.0	66.3	60.2
Pioneer 94Y20	6	4.2	39	3	43.9	62.2	53.1
GROUP 4 AVERAGE			36	2	67.5	64.6	66.1
L.S.D. AT .10					9.4	6.9	
C.V. %					10.2	7.6	
MATURITY GROUP 5							
Pioneer 95Y40	6	5.4	42	4	81.8**	60.4*	71.1
Pioneer 95Y20	6	5.2	39	3	72.9*	59.1	66.0
S06-4649	4	5.2	34	5	72.5*	--	--
Southern Cross Damascus	None	5.0	40	2	72.0*	55.7	63.9
Excel 8560NNRR	2	5.6	39	2	71.8*	--	--
Dyna-Gro 32B57	4	5.7	41	3	70.8*	58.3	64.6
Delta Grow 5300RR/STS	4	5.3	38	2	70.8*	54.7	62.8
MPG 5308nRR	11	5.3	36	3	70.6	60.9*	65.8
Armor 53-Z5	6	5.3	33	2	70.3	59.2	64.8
Delta Grow 5450RR	4	5.4	42	3	70.2	59.9*	65.1
NK S56-L5 Brand	6	5.6	41	3	70.1	--	--
NK S54-M7 Brand	6	5.4	42	4	69.8	--	--
Pioneer 95M50	6	5.5	36	4	69.5	57.5	63.5
Delta Grow 5280RR	4	5.2	30	3	69.0	58.9	64.0
Progeny P5409RR	4	5.4	39	2	68.9	--	--
Schillinger 5440.R	6	5.4	36	3	68.6	--	--
NK S52-F2 Brand	6	5.2	42	3	68.5	55.4	62.0
Asgrow AG5606	6	5.6	48	4	68.5	--	--
MPG 5505nRR/STS	11	5.5	39	3	68.4	61.1*	64.8
Dyna-Gro 33B52	4	5.2	36	4	67.9	54.5	61.2
Terral TV54R28	3,9	5.4	45	3	67.8	55.8	61.8
USG 7515NRS	4,7	5.1	39	3	67.8	55.6	61.7
USG 75Z38	4,7	5.3	36	4	67.6	58.2	62.9

TABLE 43. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Delta Grow 5160RR/STS	4	5.1	33	2	67.4	63.2*	65.3
Armor 55-A5	6	5.5	36	5	67.1	63.3*	65.2
USG 75M49	4,7	5.4	30	2	66.0	--	--
Schillinger 557.RC	6	5.5	42	3	65.8	59.9*	62.9
Delta King DK-5363	6	5.3	42	5	65.3	--	--
Progeny P5622RR	4	5.6	42	3	65.1	59.0	62.1
Hornbeck HBK R5425	2,9	5.4	39	2	64.7	54.9	59.8
Terral TV55R15	3,9	5.5	42	4	64.2	56.1	60.2
USG 75M16	4,7	5.1	43	4	64.0	--	--
S06-3095	4	5.2	36	3	63.8	--	--
Delta Grow 5555RR	4	5.5	42	3	63.8	62.2*	63.0
Dyna-Gro V51N7RS	4	5.1	42	3	63.4	--	--
Asgrow AG5405	6	5.4	39	3	63.1	63.5*	63.3
Morsoy RT 5168	6	5.1	39	1	62.6	59.0	60.8
Dyna-Gro 33C59	4	5.9	39	4	61.8	53.8	57.8
Hornbeck HBK R5226	2,9	5.2	39	5	61.5	56.7	59.1
Dairyland 8509/RR	6	5.0	33	2	60.9	60.6*	60.8
Hornbeck HBK R5229	2,9	5.2	42	3	60.9	--	--
Delta King GP-533	6	5.3	36	3	59.8	59.5	59.7
Dyna-Gro 32A53	4	5.3	45	5	59.7	59.6*	59.7
Morsoy RT 5688N	6	5.6	39	3	59.3	56.6	58.0
Hornbeck HBK R5525	2,9	5.5	42	4	59.2	57.0	58.1
Progeny P5115RR	4	5.1	39	2	58.7	61.8*	60.3
Dyna-Gro 33X55	4	5.5	39	4	58.3	54.0	56.2
Progeny P5319RR	4	5.3	38	4	58.0	--	--
Morsoy RT 5388N	6	5.3	42	3	57.8	62.1*	60.0
Delta Grow 5170RR	4	5.1	34	1	57.8	66.2**	62.0
MPG 5407nRR	11	5.4	42	3	55.5	60.3*	57.9
Progeny P5218RR	4	5.2	39	3	55.5	57.1	56.3
Progeny P5650RR	4	5.6	40	5	53.9	50.7	52.3
Dyna-Gro 35F55	4	5.5	39	5	51.9	51.6	51.8
Dyna-Gro 31R54	4	5.4	42	2	51.0	48.1	49.6
Mersch. Rushmore 959RR	2,8,10	5.9	43	3	49.7	58.4	54.1
GROUP 5 AVERAGE			39	3	64.5	57.8	61.2
L.S.D. AT .10					11.0	6.6	
C.V. %					12.3	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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 44. Glyphosate Resistant Soybean Test

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

Soil Type: Tiptonville Silt Loam Soil Test: pH=6.1 , OM=1.1 % , P=102 , K=298

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=7.1 , June=2.4 , July=4.5 , Aug=2.9, Sept=4.4 Total= 19.4

Irrigation: 5.8 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
MATURITY GROUP 3							
NK S39-A3 Brand	6	3.9	39	2	73.9**	88.7**	81.3
Asgrow AG3803	6	3.8	40	3	71.4	--	--
Progeny P3909RR	4	3.9	39	2	68.7	--	--
Hornbeck HBK R3927	2,9	3.9	51	4	68.4	83.7*	76.1
GROUP 3 AVERAGE			42	3	70.6	81.5	76.1
L.S.D. AT .10					NS	5.9	
C.V. %					4.5	5.9	
MATURITY GROUP 4							
Armor 47-R33	6	4.7	39	3	81.5**	--	--
Mersch. Atlanta 1047RR2Y	1	4.7	42	2	80.3*	--	--
Armor ARX 0472	6	4.7	39	2	80.2*	--	--
Schillinger 4990.RC	6	4.9	41	2	79.4*	--	--
Terral-REV49R20	4	4.9	42	3	79.2*	--	--
Schillinger 499.RC	6	4.9	42	2	78.9*	--	--
Asgrow AG4907	6	4.9	43	3	78.0*	73.1	75.6
Delta Grow 4970RR	4	4.9	45	2	77.8*	64.4	71.1
Mersch. Memphis 943RR	2,8,10	4.3	33	1	76.8*	78.6	77.7
Terral-REV49R21	4	4.9	48	1	76.4*	--	--
Mersch. Nashville 749RR	2,8,10	4.9	37	2	76.2*	79.9	78.1
USG 74A91	4,7	4.9	42	2	76.2*	--	--
Southern Cross Caleb	None	4.4	36	2	76.0*	66.9	71.5
USG 74G78	4,7	4.7	36	1	75.9*	78.3	77.1
Delta Grow 4780RR	4	4.7	42	3	75.8*	70.2	73.0
Asgrow AG4703	6	4.7	42	3	75.7*	82.6*	79.1
Armor 44-K6	6	4.4	36	2	75.7*	81.6	78.6
NK S48-C9 Brand	6	4.8	43	2	75.6*	--	--
Asgrow AG4903	6	4.9	45	3	75.5*	79.4	77.5
NK S46-U6 Brand	6	4.6	42	2	75.3*	76.7	76.0
Delta King DK4968	6	4.9	45	2	75.1*	--	--
Morsoy RT 4914N	6	4.9	43	2	75.0*	--	--
USG 74F96	4,7	4.9	42	1	74.9*	--	--
Delta King DKX 0461	6	4.6	39	2	74.7*	--	--
Schillinger 458.RCS	6	4.5	37	2	74.6*	--	--
Armor 42-M1	6	4.2	38	3	74.5*	82.7*	78.6
Delta Grow 4975RR	4	4.9	39	2	74.5*	87.1*	80.8
Trisoy 4586RR(CN)	2,8,10	4.5	36	3	74.4*	86.3*	80.4
Dairyland 8482/RR	6	4.8	42	2	74.3	70.8	72.6
Mersch. Boston 1046RR2Y	1	4.6	40	3	74.2	--	--
Progeny P4908RR	4	4.9	41	3	73.9	74.1	74.0
Southern Cross Eli	None	4.7	38	1	73.8	68.2	71.0
Dyna-Gro 36Y48	4	4.8	41	3	73.5	80.1	76.8
Dairyland 4300/RR	6	4.3	42	3	73.2	61.4	67.3

TABLE 44. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Dyna-Gro 36C44	4	4.4	42	2	73.1	84.2*	78.6
Dairyland 8474/RR	6	4.7	39	2	73.0	--	--
Delta Grow 4470RR/STS	4	4.4	33	1	73.0	64.3	68.7
Dyna-Gro V48N7RS	4	4.8	38	2	72.8	--	--
Hornbeck HBK R4729	2,9	4.7	33	2	72.8	--	--
Progeny P4906RR	4	4.9	30	2	72.8	77.3	75.1
Morsoy RTS 4955N	6	4.9	39	2	72.7	89.9*	81.3
MPG 4810RR	11	4.8	37	2	72.7	--	--
Terral-REV49R10	4	4.9	48	3	72.5	--	--
Armor ARX 0432	6	4.3	38	2	72.5	--	--
Armor 48-J3	6	4.8	45	3	72.4	73.5	73.0
Morsoy RTS 4706N	6	4.7	33	3	72.0	84.0*	78.0
Schillinger 478.RCS	6	4.7	39	3	71.8	82.2	77.0
Mersch. Houston 747RR	2,8,10	4.7	37	1	71.7	81.6	76.6
Dyna-Gro 33Y45	4	4.5	42	1	71.6	74.0	72.8
Pioneer 94Y60	6	4.6	38	2	71.5	76.1	73.8
Delta King DK 4560	6	4.5	42	3	71.5	76.7	74.1
Schillinger 495.RC	6	4.9	42	2	71.5	72.1	71.8
Morsoy RT 4707N	6	4.7	42	2	71.4	67.2	69.3
Channel 4517R Brand	4	4.5	42	3	71.3	68.5	69.9
Progeny P4807RR	4	4.8	42	3	71.3	60.6	66.0
Pioneer 94Y91	6	4.9	42	3	71.3	--	--
Armor 47-F8	6	4.7	35	1	71.0	84.9*	78.0
Mersch. Denver 1043RR	2,8,10	4.3	36	2	70.9	--	--
USG 74E88	4,7	4.8	42	2	70.8	--	--
Delta King DKR 4744s	6	4.6	39	2	70.6	--	--
Asgrow AG4303	6	4.3	39	3	70.5	77.9	74.2
Mersch. Norfolk 741RR	2,8,10	4.1	39	2	70.5	77.9	74.2
Dyna-Gro V47N9RS	6	4.7	35	1	70.4	--	--
Delta Grow 4870RR	4	4.8	42	3	70.3	75.2	72.8
Trisoy 4760RR(CN)	2,8,10	4.7	37	1	70.3	76.9	73.6
Hornbeck HBK R4527	2,9	4.5	42	3	70.2	72.6	71.4
Pioneer 94Y70	6	4.7	45	4	70.2	80.1	75.1
Morsoy RTS 4824	6	4.8	46	2	70.2	--	--
Progeny P4949RR	4	4.9	48	2	70.1	70.8	70.5
Schillinger 4880.RC	6	4.8	51	2	69.9	--	--
Southern Cross Galilee	None	4.7	45	4	69.9	69.1	69.5
NK S49-H7 Brand	6	4.9	42	2	69.8	74.2	72.0
Morsoy RT 4919N	6	4.9	40	3	69.7	--	--
Armor 47-G10	6	4.7	38	3	69.7	--	--
Morsoy RT 4485N	6	4.4	42	3	69.7	79.4	74.6
Asgrow AG4606	6	4.6	42	3	69.6	71.3	70.5
Hornbeck HBK R4924	2,9	4.9	52	4	69.5	90.9**	80.2
Asgrow AG4005	6	4.0	39	2	69.5	66.4	68.0
Delta King DK 4770	6	4.7	41	3	69.5	85.4*	77.5
Progeny P4508RR	4	4.5	43	2	69.2	80.2	74.7
S06-3929	4	4.8	42	2	69.2	--	--
Hornbeck HBK R4727	2,9	4.7	45	3	69.2	67.3	68.3
Dyna-Gro 32R46	4	4.6	36	1	69.0	83.1*	76.1
Dyna-Gro 37P49	4	4.9	45	2	69.0	83.9*	76.5
Armor ARX 0431	6	4.3	36	2	68.9	--	--
Terral TV49R17	3,9	4.9	48	3	68.8	--	--
Progeny P4606RR	4	4.6	39	1	68.8	69.0	68.9

TABLE 44. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Dairyland 4500/RRSTS	6	4.5	39	3	68.7	67.9	68.3
Pioneer 94Y20	6	4.2	42	3	68.6	80.4	74.5
Southern Cross Rufus	None	4.7	39	2	68.3	77.0	72.7
Mersch. Rocky RR	2,8,10	4.6	45	3	68.2	85.0*	76.6
Armor ARX 0474	6	4.7	42	3	68.1	--	--
Channel 4820R Brand	4	4.8	41	2	67.9	74.6	71.3
Dairyland 48-000/RR	6	4.8	38	3	67.7	--	--
Pioneer 94Y01	6	4.0	39	3	67.6	--	--
Trisoy 4184RR(CN)	2,8,10	4.1	36	2	67.5	80.3	73.9
USG 74A88	4,7	4.8	45	2	67.3	74.5	70.9
Delta Grow 4840RR	4	4.8	39	3	66.8	80.4	73.6
Terral-REV45R10	4	4.5	45	5	66.6	--	--
Trisoy 4788RR(CN)	2,8,10	4.7	42	2	66.0	79.1	72.6
USG 7473nRR	4,7	4.7	36	2	65.9	--	--
MPG 4909nRR	11	4.9	37	3	65.9	75.6	70.8
Progeny P4206RR	4	4.2	35	2	65.7	78.0	71.9
Terral TV49R19	3,9	4.9	40	1	65.6	53.2	59.4
Pioneer 94Y80	6	4.8	44	4	65.3	--	--
Dyna-Gro 32P48	4	4.8	43	2	64.2	76.1	70.1
Armor 46-N7	6	4.5	41	3	63.2	--	--
USG 74C36	4,7	4.3	42	3	62.5	--	--
Progeny P4706RR	4	4.7	42	4	62.5	68.7	65.6
Delta Grow 4770RR	4	4.7	42	4	62.3	68.5	65.4
Terral TV47R18	3,9	4.7	44	3	61.9	76.8	69.4
Delta Grow 4150RR	4	4.1	33	2	61.4	65.9	63.7
GROUP 4 AVERAGE			41	2	71.3	74.8	73.1
L.S.D. AT .10					7.1	8.7	
C.V. %					7.3	8.2	
MATURITY GROUP 5							
Armor 55-A5	6	5.5	30	1	78.8**	53.6	66.2
Dairyland 8509/RR	6	5.0	39	2	77.7*	68.9	73.3
Pioneer 95Y40	6	5.4	39	3	77.6*	75.9	76.8
S06-4649	4	5.2	32	3	77.3*	--	--
Progeny P5622RR	4	5.6	35	2	76.7*	63.8	70.3
Asgrow AG5405	6	5.4	36	1	76.5*	67.3	71.9
Armor 53-Z5	6	5.3	32	1	75.6*	70.7	73.1
Delta Grow 5300RR/STS	4	5.3	36	2	75.6*	68.4	72.0
Dyna-Gro 33X55	4	5.5	30	2	75.5*	55.3	65.4
Asgrow AG5606	6	5.6	36	3	75.3*	--	--
USG 75M49	4,7	5.4	35	2	75.1*	--	--
Terral TV54R28	3,9	5.4	30	3	73.6*	63.3	68.5
NK S54-M7 Brand	6	5.4	35	3	73.4*	--	--
Morsoy RT 5168	6	5.1	42	2	73.1*	83.2*	78.1
USG 75M16	4,7	5.1	36	2	73.1*	--	--
Delta Grow 5160RR/STS	4	5.1	39	2	72.0*	84.1*	78.1
Progeny P5319RR	4	5.3	38	3	71.8*	--	--
Dyna-Gro 35F55	4	5.5	32	3	71.2*	52.8	62.0
MPG 5308nRR	11	5.3	39	2	71.0*	69.6	70.3
Hornbeck HBK R5226	2,9	5.2	36	2	70.9*	54.5	62.7
Dyna-Gro 33C59	4	5.9	33	2	70.3	64.2	67.3
Dyna-Gro 32A53	4	5.3	32	2	70.0	55.9	63.0
Excel 8560NNRR	2	5.6	36	1	69.9	--	--

TABLE 44. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Pioneer 95Y20	6	5.2	36	1	69.6	53.7	61.7
Dyna-Gro V51N7RS	4	5.1	36	2	69.2	--	--
Hornbeck HBK R5425	2,9	5.4	48	3	69.2	68.2	68.7
Dyna-Gro 33B52	4	5.2	27	2	69.1	63.5	66.3
Delta Grow 5280RR	4	5.2	33	1	68.9	54.0	61.5
Delta Grow 5450RR	4	5.4	33	2	68.7	59.2	64.0
Morsoy RT 5388N	6	5.3	36	1	68.5	71.3	69.9
Delta Grow 5170RR	4	5.1	36	1	68.5	82.0*	75.3
Dyna-Gro 32B57	4	5.7	34	1	68.3	60.6	64.5
Terral TV55R15	3,9	5.5	36	3	68.2	59.9	64.1
Schillinger 557.RC	6	5.5	33	2	68.1	61.4	64.8
MPG 5505nRR/STS	11	5.5	36	1	67.9	77.6*	72.8
Progeny P5115RR	4	5.1	45	2	67.9	70.6	69.3
Schillinger 5440.R	6	5.4	33	1	67.8	--	--
USG 7515NRS	4,7	5.1	42	3	67.7	86.4**	77.1
NK S52-F2 Brand	6	5.2	32	2	67.4	66.9	67.2
Delta King DK-5363	6	5.3	36	3	67.3	--	--
Progeny P5409RR	4	5.4	36	3	66.9	--	--
Dyna-Gro 31R54	4	5.4	35	2	66.7	70.8	68.8
NK S56-L5 Brand	6	5.6	39	3	66.5	--	--
Delta King GP-533	6	5.3	33	2	66.1	60.2	63.2
Hornbeck HBK R5525	2,9	5.5	36	1	66.0	53.3	59.7
Progeny P5218RR	4	5.2	33	1	65.4	59.8	62.6
Pioneer 95M50	6	5.5	27	2	65.2	71.0	68.1
MPG 5407nRR	11	5.4	43	2	64.6	65.1	64.9
Southern Cross Damascus	None	5.0	42	2	64.0	61.8	62.9
Hornbeck HBK R5229	2,9	5.2	36	2	63.7	--	--
Progeny P5650RR	4	5.6	30	4	63.7	56.6	60.2
Morsoy RT 5688N	6	5.6	36	3	63.6	66.1	64.9
S06-3095	4	5.2	32	3	63.3	--	--
USG 75Z38	4,7	5.3	36	3	62.9	57.6	60.3
Delta Grow 5555RR	4	5.5	34	3	60.9	62.0	61.5
Mersch. Rushmore 959RR	2,8,10	5.9	27	3	58.7	61.0	59.9
GROUP 5 AVERAGE			35	2	69.5	64.7	67.1
L.S.D. AT .10					8.3	9.3	
C.V. %					8.8	10.2	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 45. Glyphosate Resistant Soybean Test

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

Soil Type: Portageville Clay Soil Test: pH=6.6, OM=2.1%, P=78, K=484

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=7.1, June=2.4, July=4.5, Aug=2.9, Sept=4.4 Total= 21.3

Irrigation: 8.4 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
-----bu/acre-----							
MATURITY GROUP 3							
NK S39-A3 Brand	6	3.9	33	2	69.6**	52.2*	60.9
Progeny P3909RR	4	3.9	33	3	66.1*	--	--
Hornbeck HBK R3927	2,9	3.9	42	2	63.7	42.6	53.2
Asgrow AG3803	6	3.8	33	3	63.3	--	--
GROUP 3 AVERAGE			35	2	65.7	48.3	57.0
L.S.D. AT .10					3.5	4.0	
C.V. %					4.1	6.9	
MATURITY GROUP 4							
Schillinger 4990.RC	6	4.9	39	2	74.8**	--	--
Terral-REV49R20	4	4.9	42	4	71.3*	--	--
Mersch. Atlanta 1047RR2Y	1	4.7	36	3	70.7*	--	--
Terral-REV49R10	4	4.9	45	4	70.4*	--	--
NK S46-U6 Brand	6	4.6	39	2	69.1*	59.1	64.1
Delta Grow 4970RR	4	4.9	36	3	68.5	40.9	54.7
USG 74A91	4,7	4.9	32	2	68.2	--	--
MPG 4810RR	11	4.8	42	3	67.3	--	--
Delta Grow 4975RR	4	4.9	42	3	67.1	57.7	62.4
Delta King DKX 0461	6	4.6	36	3	67.1	--	--
Progeny P4906RR	4	4.9	39	2	66.9	62.2*	64.6
Dyna-Gro 37P49	4	4.9	33	2	66.4	57.9	62.2
Armor 42-M1	6	4.2	33	2	66.4	57.8	62.1
NK S48-C9 Brand	6	4.8	39	1	65.4	--	--
Terral-REV49R21	4	4.9	45	3	65.3	--	--
Morsoy RT 4914N	6	4.9	48	3	65.2	--	--
Dairyland 48-000/RR	6	4.8	39	3	65.2	--	--
Asgrow AG4903	6	4.9	36	3	64.9	48.0	56.5
USG 74F96	4,7	4.9	39	2	64.5	--	--
Dairyland 8482/RR	6	4.8	36	2	63.5	43.4	53.5
Delta King DK 4770	6	4.7	39	4	62.7	60.1*	61.4
Asgrow AG4303	6	4.3	38	4	62.5	47.3	54.9
Morsoy RTS 4824	6	4.8	39	3	62.4	--	--
Armor 47-G10	6	4.7	36	3	62.4	--	--
Morsoy RT 4919N	6	4.9	33	2	62.4	--	--
USG 74G78	4,7	4.7	32	1	62.2	56.1	59.2
Pioneer 94Y91	6	4.9	37	3	62.2	--	--
Schillinger 499.RC	6	4.9	39	3	62.0	--	--
Delta King DKR 4744s	6	4.6	33	2	61.8	--	--
Morsoy RTS 4955N	6	4.9	39	3	61.7	56.1	58.9
NK S49-H7 Brand	6	4.9	36	2	61.5	44.9	53.2
Mersch. Memphis 943RR	2,8,10	4.3	31	1	61.5	40.8	51.2
Channel 4517R Brand	4	4.5	33	3	61.4	53.1	57.3
Armor 47-F8	6	4.7	34	1	61.4	53.7	57.6

TABLE 45. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Schillinger 458.RCS	6	4.5	35	2	61.3	--	--
Armor 44-K6	6	4.4	27	1	61.2	53.1	57.2
Asgrow AG4907	6	4.9	39	4	61.1	47.5	54.3
Armor ARX 0432	6	4.3	33	2	60.8	--	--
Morsoy RTS 4706N	6	4.7	38	3	60.7	54.5	57.6
Delta King DK4968	6	4.9	42	3	60.6	--	--
Hornbeck HBK R4924	2,9	4.9	42	3	60.5	42.7	51.6
Armor ARX 0472	6	4.7	34	3	60.4	--	--
Dairyland 8474/RR	6	4.7	33	3	60.3	--	--
Schillinger 495.RC	6	4.9	39	2	60.3	57.3	58.8
Schillinger 4880.RC	6	4.8	36	2	60.3	--	--
Pioneer 94Y70	6	4.7	39	3	60.2	46.6	53.4
Mersch. Nashville 749RR	2,8,10	4.9	32	1	60.2	58.5	59.4
Southern Cross Caleb	None	4.4	30	1	60.1	44.0	52.1
Pioneer 94Y60	6	4.6	36	3	59.9	55.3	57.6
Mersch. Boston 1046RR2Y	1	4.6	36	2	59.9	--	--
Terral TV49R19	3,9	4.9	39	1	59.8	38.2	49.0
Dyna-Gro 32R46	4	4.6	34	1	59.8	52.6	56.2
Mersch. Houston 747RR	2,8,10	4.7	33	1	59.8	55.2	57.5
Armor ARX 0431	6	4.3	36	3	59.3	--	--
Dyna-Gro 36Y48	4	4.8	39	3	59.1	53.6	56.4
Armor 47-R33	6	4.7	36	3	58.9	--	--
Progeny P4206RR	4	4.2	33	4	58.9	57.0	58.0
Terral TV47R18	3,9	4.7	39	3	58.7	51.1	54.9
Progeny P4908RR	4	4.9	36	2	58.6	45.1	51.9
Delta Grow 4470RR/STS	4	4.4	32	1	58.6	36.7	47.7
Southern Cross Eli	None	4.7	33	1	58.5	51.7	55.1
Southern Cross Galilee	None	4.7	36	3	58.3	55.5	56.9
Hornbeck HBK R4729	2,9	4.7	33	3	58.2	--	--
Pioneer 94Y80	6	4.8	39	4	58.2	--	--
USG 74A88	4,7	4.8	35	2	58.1	62.1*	60.1
Delta Grow 4870RR	4	4.8	37	2	58.1	57.6	57.9
Delta Grow 4780RR	4	4.7	36	3	58.0	55.2	56.6
Morsoy RT 4707N	6	4.7	36	3	57.9	55.9	56.9
Trisoy 4760RR(CN)	2,8,10	4.7	34	1	57.6	52.1	54.9
S06-3929	4	4.8	33	4	57.6	--	--
USG 74E88	4,7	4.8	36	2	57.5	--	--
Pioneer 94Y20	6	4.2	35	4	57.4	49.6	53.5
Armor 48-J3	6	4.8	37	3	57.4	56.4	56.9
Delta King DK 4560	6	4.5	36	3	57.3	60.3*	58.8
Progeny P4949RR	4	4.9	36	2	57.3	50.5	53.9
Armor ARX 0474	6	4.7	36	3	57.1	--	--
Mersch. Norfolk 741RR	2,8,10	4.1	33	3	56.4	60.5*	58.5
Terral TV49R17	3,9	4.9	42	3	56.1	--	--
Pioneer 94Y01	6	4.0	39	3	55.8	--	--
Dyna-Gro 36C44	4	4.4	30	2	55.8	47.6	51.7
Schillinger 478.RCS	6	4.7	35	2	55.7	55.6	55.7
Hornbeck HBK R4727	2,9	4.7	36	3	55.7	56.4	56.1
Progeny P4807RR	4	4.8	35	3	55.7	48.2	52.0
Morsoy RT 4485N	6	4.4	39	3	55.7	49.1	52.4
Asgrow AG4005	6	4.0	36	3	55.6	52.4	54.0
Asgrow AG4703	6	4.7	35	2	55.4	46.4	50.9
Hornbeck HBK R4527	2,9	4.5	36	4	55.4	57.0	56.2

TABLE 45. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Progeny P4508RR	4	4.5	35	2	55.4	54.4	54.9
Dairyland 4300/RR	6	4.3	33	4	55.2	45.3	50.3
Dyna-Gro 33Y45	4	4.5	33	3	55.1	53.3	54.2
Terral-REV45R10	4	4.5	32	4	55.0	--	--
Dyna-Gro V48N7RS	4	4.8	30	1	54.8	--	--
MPG 4909nRR	11	4.9	36	2	54.7	58.6	56.7
Delta Grow 4770RR	4	4.7	30	4	54.5	56.9	55.7
Dyna-Gro 32P48	4	4.8	37	3	54.3	60.5*	57.4
Progeny P4706RR	4	4.7	27	3	54.2	54.1	54.2
Delta Grow 4150RR	4	4.1	36	3	53.5	43.7	48.6
Dairyland 4500/RRSTS	6	4.5	36	3	53.4	51.8	52.6
Asgrow AG4606	6	4.6	36	3	52.8	49.0	50.9
Trisoy 4788RR(CN)	2,8,10	4.7	33	2	52.6	57.5	55.1
Armor 46-N7	6	4.5	33	4	52.4	--	--
Trisoy 4586RR(CN)	2,8,10	4.5	28	1	52.4	51.4	51.9
Channel 4820R Brand	4	4.8	30	2	51.8	54.1	53.0
Mersch. Rocky RR	2,8,10	4.6	36	4	51.8	50.4	51.1
Progeny P4606RR	4	4.6	30	1	51.7	50.6	51.2
Mersch. Denver 1043RR	2,8,10	4.3	31	2	50.6	--	--
USG 74C36	4,7	4.3	36	4	49.7	--	--
Southern Cross Rufus	None	4.7	34	3	49.4	50.6	50.0
Delta Grow 4840RR	4	4.8	36	5	48.8	45.7	47.3
Dyna-Gro V47N9RS	6	4.7	33	2	48.3	--	--
USG 7473nRR	4,7	4.7	39	5	46.1	--	--
Trisoy 4184RR(CN)	2,8,10	4.1	32	4	45.4	48.6	47.0
GROUP 4 AVERAGE			36	3	59.1	52.7	55.9
L.S.D. AT .10					5.9	7.5	
C.V. %					7.2	10.0	
MATURITY GROUP 5							
Pioneer 95Y40	6	5.4	36	3	73.4**	56.6	65.0
Asgrow AG5405	6	5.4	34	1	72.9*	60.8	66.9
Schillinger 5440.R	6	5.4	36	3	72.6*	--	--
Schillinger 557.RC	6	5.5	35	1	72.4*	61.4	66.9
Morsoy RT 5688N	6	5.6	33	4	72.3*	68.0**	70.2
Asgrow AG5606	6	5.6	36	3	71.6*	--	--
Morsoy RT 5168	6	5.1	42	3	71.2*	60.7	66.0
Armor 55-A5	6	5.5	30	1	71.2*	57.6	64.4
Delta King DK-5363	6	5.3	36	3	71.0*	--	--
Dairyland 8509/RR	6	5.0	33	2	70.7*	58.5	64.6
NK S54-M7 Brand	6	5.4	34	2	70.6*	--	--
Armor 53-Z5	6	5.3	33	2	70.2*	61.4	65.8
Pioneer 95Y20	6	5.2	38	2	69.8*	59.3	64.6
Progeny P5319RR	4	5.3	39	3	69.5*	--	--
USG 75M49	4,7	5.4	35	1	69.4*	--	--
MPG 5505nRR/STS	11	5.5	37	1	69.1*	57.8	63.5
MPG 5308nRR	11	5.3	33	3	69.0*	54.9	62.0
Progeny P5409RR	4	5.4	48	3	68.6*	--	--
Terral TV54R28	3,9	5.4	41	3	68.5*	58.9	63.7
Delta Grow 5280RR	4	5.2	30	1	68.5*	56.4	62.5
Pioneer 95M50	6	5.5	39	2	68.2*	59.5	63.9
Hornbeck HBK R5425	2,9	5.4	48	2	67.3*	54.2	60.8
Morsoy RT 5388N	6	5.3	36	2	67.1*	66.8*	67.0

TABLE 45. Continued.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
NK S56-L5 Brand	6	5.6	37	3	67.1*	--	--
USG 75M16	4,7	5.1	42	3	66.9*	--	--
Southern Cross Damascus	None	5.0	39	3	66.3*	51.3	58.8
S06-4649	4	5.2	38	4	66.2	--	--
Dyna-Gro 35F55	4	5.5	37	3	65.8	61.9	63.9
S06-3095	4	5.2	33	3	65.7	--	--
Terral TV55R15	3,9	5.5	39	3	65.6	63.5*	64.6
USG 75Z38	4,7	5.3	36	2	65.3	57.4	61.4
Hornbeck HBK R5226	2,9	5.2	36	3	65.0	57.5	61.3
NK S52-F2 Brand	6	5.2	39	3	64.6	59.6	62.1
Dyna-Gro 33C59	4	5.9	36	2	64.6	60.1	62.4
Delta Grow 5555RR	4	5.5	30	3	64.5	58.9	61.7
Dyna-Gro 32B57	4	5.7	39	2	64.5	59.6	62.1
Delta Grow 5300RR/STS	4	5.3	34	3	64.5	53.4	59.0
Dyna-Gro V51N7RS	4	5.1	35	3	64.5	--	--
Progeny P5622RR	4	5.6	33	3	64.1	64.8*	64.5
Delta Grow 5170RR	4	5.1	36	2	62.4	51.6	57.0
Hornbeck HBK R5229	2,9	5.2	37	2	62.4	--	--
Dyna-Gro 33X55	4	5.5	33	2	62.3	52.4	57.4
Delta King GP-533	6	5.3	33	2	62.2	55.1	58.7
Delta Grow 5450RR	4	5.4	39	2	61.8	52.2	57.0
Dyna-Gro 33B52	4	5.2	37	2	61.7	53.0	57.4
Dyna-Gro 32A53	4	5.3	35	2	61.2	48.6	54.9
Delta Grow 5160RR/STS	4	5.1	40	3	61.1	55.8	58.5
Progeny P5115RR	4	5.1	39	2	61.0	54.0	57.5
Excel 8560NNRR	2	5.6	39	2	59.8	--	--
Progeny P5218RR	4	5.2	30	3	59.4	56.0	57.7
Dyna-Gro 31R54	4	5.4	36	2	59.3	52.8	56.1
Hornbeck HBK R5525	2,9	5.5	33	2	59.1	53.0	56.1
Progeny P5650RR	4	5.6	36	3	58.8	54.0	56.4
Mersch. Rushmore 959RR	2,8,10	5.9	36	4	58.3	62.3*	60.3
MPG 5407nRR	11	5.4	39	3	57.7	55.7	56.7
USG 7515NRS	4,7	5.1	42	3	57.1	57.1	57.1
GROUP 5 AVERAGE			37	2	65.8	56.5	61.2
L.S.D. AT .10					7.1	5.7	
C.V. %					7.7	7.3	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 46. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Southeast Missouri locations (Chaffee, Dexter, Morehouse, Portageville (Loam), Portageville (Clay)) during 2009.

<u>Chaffee</u> Planted: 5-20 Harvested: 09-29,10-19 Growing Season Rainfall: 16.8	<u>Dexter</u> Planted: 06-19 Harvested: 11-03 Growing Season Rainfall: 24.5 Irrigation: 6.0 in.	<u>Morehouse</u> Planted: 06-02 Harvested: 09-30,11-05 Growing Season Rainfall: 26.5 Irrigation: 6.0 in.
<u>Portageville (Loam)</u> Planted: 05-19 Harvested: 09-28,10-18 Growing Season Rainfall: 19.4 Irrigation: 5.8 in.	<u>Portageville (Clay)</u> Planted: 05-19 Harvested: 09-30,11-06 Growing Season Rainfall: 21.3 Irrigation: 8.4 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	Port (Loam)	Port (Clay)	
MATURITY GROUP 3						
Asgrow AG3803	65.7**	53.6	74.2**	71.4	63.3	65.6**
Progeny P3909RR	64.0	55.4**	73.4	68.7	66.1*	65.5*
NK S39-A3 Brand	62.9	47.8	72.6	73.9**	69.6**	65.4*
Hornbeck HBK R3927	60.3	50.6	69.0	68.4	63.7	62.4
GROUP 3 AVERAGE	63.2	51.8	72.3	70.6	65.7	64.7
L.S.D. AT .10	NS	NS	NS	NS	3.5	2.1
C.V. %	7.4	4.5	8.3	4.5	4.1	5.8

MATURITY GROUP 4						
Mersch. Atlanta 1047RR2Y	74.5*	67.3*	83.2**	80.3*	70.7*	75.2**
Armor ARX 0472	78.0*	69.6*	74.7*	80.2*	60.4	72.6*
Armor 47-R33	69.4	67.1*	82.1*	81.5**	58.9	71.8
Schillinger 4990.RC	63.9	65.1	73.9*	79.4*	74.8**	71.4
Delta King DKX 0461	73.9*	66.6	73.6	74.7*	67.1	71.2
USG 74A91	69.1	68.0*	73.1	76.2*	68.2	70.9
Delta King DKR 4744s	73.9*	68.1*	79.4*	70.6	61.8	70.8
Mersch. Memphis 943RR	67.2	73.8**	74.1*	76.8*	61.5	70.7
Asgrow AG4903	74.0*	60.7	75.5*	75.5*	64.9	70.1
Delta Grow 4970RR	72.0	61.0	71.2	77.8*	68.5	70.1
NK S46-U6 Brand	67.2	68.0*	69.9	75.3*	69.1*	69.9
Armor 47-F8	70.0	67.9*	78.9*	71.0	61.4	69.8
Dairyland 8482/RR	70.3	67.4*	72.4	74.3	63.5	69.6
Terral-REV49R20	65.3	58.7	72.7	79.2*	71.3*	69.4
USG 74G78	68.6	65.4	75.0*	75.9*	62.2	69.4
Progeny P4906RR	65.5	60.0	81.6*	72.8	66.9	69.4
Dairyland 4300/RR	65.7	71.2*	81.2*	73.2	55.2	69.3
Delta King DK 4770	69.9	73.8**	69.9	69.5	62.7	69.2
Delta Grow 4975RR	67.9	64.3	71.6	74.5*	67.1	69.1
Mersch. Houston 747RR	74.2*	69.2*	70.1	71.7	59.8	69.0
Schillinger 478.RCS	76.6*	66.6	73.3	71.8	55.7	68.8
NK S48-C9 Brand	62.2	68.8*	72.0	75.6*	65.4	68.8
Armor 44-K6	68.0	72.5*	66.4	75.7*	61.2	68.8
Asgrow AG4303	71.5	71.3*	67.6	70.5	62.5	68.7
Armor 42-M1	68.1	65.4	67.5	74.5*	66.4	68.4

Table 46. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	Port (Loam)	Port (Clay)	
Dyna-Gro 37P49	68.6	62.7	74.5*	69.0	66.4	68.2
NK S49-H7 Brand	75.6*	66.4	67.1	69.8	61.5	68.1
Southern Cross Caleb	69.6	66.5	68.0	76.0*	60.1	68.0
Dairyland 48-000/RR	68.5	67.9*	70.8	67.7	65.2	68.0
Mersch. Nashville 749RR	73.9*	57.6	72.1	76.2*	60.2	68.0
Morsoy RTS 4824	70.5	66.2	70.3	70.2	62.4	67.9
Trisoy 4760RR(CN)	66.6	67.7*	76.6*	70.3	57.6	67.8
Schillinger 458.RCS	72.8*	63.2	66.7	74.6*	61.3	67.7
Dyna-Gro 36Y48	68.0	60.4	76.1*	73.5	59.1	67.4
Morsoy RTS 4706N	66.8	67.4*	69.9	72.0	60.7	67.4
Delta Grow 4780RR	66.8	70.5*	65.7	75.8*	58.0	67.4
Asgrow AG4703	63.4	66.6	75.5*	75.7*	55.4	67.3
Terral-REV49R10	67.5	65.5	60.0	72.5	70.4*	67.2
Pioneer 94Y91	70.7	61.4	70.2	71.3	62.2	67.2
Asgrow AG4907	71.5	60.8	64.2	78.0*	61.1	67.1
Morsoy RTS 4955N	69.1	61.0	70.3	72.7	61.7	67.0
Delta Grow 4470RR/STS	70.8	66.7	64.9	73.0	58.6	66.8
Hornbeck HBK R4727	71.6	66.8*	70.5	69.2	55.7	66.8
Progeny P4807RR	79.1**	61.2	66.4	71.3	55.7	66.7
Dyna-Gro 36C44	69.3	68.9*	66.4	73.1	55.8	66.7
Southern Cross Eli	68.2	62.8	70.0	73.8	58.5	66.6
USG 74F96	61.0	63.0	69.7	74.9*	64.5	66.6
Terral-REV49R21	64.7	59.1	67.3	76.4*	65.3	66.6
Pioneer 94Y70	70.2	66.0	65.2	70.2	60.2	66.4
Southern Cross Galilee	69.0	67.4*	67.0	69.9	58.3	66.3
Dyna-Gro 32R46	68.3	65.9	68.1	69.0	59.8	66.2
Dyna-Gro V48N7RS	67.7	65.8	70.0	72.8	54.8	66.2
Dairyland 8474/RR	62.0	65.2	70.6	73.0	60.3	66.2
USG 74E88	65.6	71.2*	65.6	70.8	57.5	66.1
Progeny P4908RR	70.6	59.1	68.4	73.9	58.6	66.1
Morsoy RT 4914N	63.1	55.5	71.0	75.0*	65.2	66.0
Morsoy RT 4919N	68.6	68.2*	60.6	69.7	62.4	65.9
Progeny P4606RR	71.0	63.1	74.3*	68.8	51.7	65.8
Pioneer 94Y60	68.5	67.5*	61.3	71.5	59.9	65.7
Armor 47-G10	65.8	58.9	71.2	69.7	62.4	65.6
Mersch. Boston 1046RR2Y	67.1	60.5	65.0	74.2	59.9	65.3
Mersch. Denver 1043RR	63.7	70.0*	71.2	70.9	50.6	65.3
Schillinger 495.RC	63.0	65.1	66.2	71.5	60.3	65.2
Dyna-Gro 32P48	67.8	65.4	74.0*	64.2	54.3	65.1
Delta King DK4968	60.0	62.9	66.8	75.1*	60.6	65.1
Morsoy RT 4707N	63.2	63.5	68.9	71.4	57.9	65.0
Hornbeck HBK R4729	63.3	62.0	68.5	72.8	58.2	65.0
Delta Grow 4770RR	66.1	71.7*	69.7	62.3	54.5	64.8
Armor ARX 0432	61.5	60.6	68.0	72.5	60.8	64.7
Schillinger 4880.RC	61.2	57.6	73.9*	69.9	60.3	64.6
Dairyland 4500/RRSTS	64.8	66.0	69.8	68.7	53.4	64.5

Table 46. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Chaffee	Dexter	Morehouse	Port (Loam)	Port (Clay)	Mean
Trisoy 4586RR(CN)	64.1	64.8	66.8	74.4*	52.4	64.5
MPG 4810RR	67.0	54.0	59.6	72.7	67.3	64.1
MPG 4909nRR	64.0	59.3	76.5*	65.9	54.7	64.1
Schillinger 499.RC	62.7	55.7	60.6	78.9*	62.0	64.0
Progeny P4508RR	63.8	63.9	65.3	69.2	55.4	63.5
Terral TV49R17	60.9	61.1	70.4	68.8	56.1	63.5
Armor ARX 0431	63.6	64.1	61.4	68.9	59.3	63.4
Dyna-Gro 33Y45	67.0	59.7	63.3	71.6	55.1	63.3
Terral TV47R18	58.3	67.3*	70.4	61.9	58.7	63.3
Asgrow AG4606	73.3*	61.0	59.5	69.6	52.8	63.2
Armor ARX 0474	67.0	62.5	61.5	68.1	57.1	63.2
Terral TV49R19	67.2	56.9	66.5	65.6	59.8	63.2
USG 74A88	60.4	57.4	72.0	67.3	58.1	63.0
Channel 4517R Brand	61.4	61.0	60.1	71.3	61.4	63.0
S06-3929	62.7	66.0	58.4	69.2	57.6	62.8
Pioneer 94Y01	63.2	64.1	63.1	67.6	55.8	62.8
Delta King DK 4560	59.9	62.8	61.6	71.5	57.3	62.6
Asgrow AG4005	68.2	61.1	58.5	69.5	55.6	62.6
Armor 48-J3	59.6	57.7	65.3	72.4	57.4	62.5
Trisoy 4788RR(CN)	67.5	66.9*	58.0	66.0	52.6	62.2
Hornbeck HBK R4924	65.7	56.1	58.5	69.5	60.5	62.0
Hornbeck HBK R4527	54.3	62.4	66.9	70.2	55.4	61.8
Delta Grow 4870RR	53.2	59.8	66.8	70.3	58.1	61.6
Progeny P4706RR	63.8	62.2	64.5	62.5	54.2	61.4
Pioneer 94Y80	59.9	61.0	61.7	65.3	58.2	61.2
Channel 4820R Brand	68.0	64.2	54.0	67.9	51.8	61.2
Mersch. Norfolk 741RR	64.1	60.1	54.5	70.5	56.4	61.1
Progeny P4949RR	57.8	55.9	63.4	70.1	57.3	60.9
Progeny P4206RR	64.2	59.7	55.6	65.7	58.9	60.8
Southern Cross Rufus	68.2	63.1	54.8	68.3	49.4	60.8
Dyna-Gro V47N9RS	65.5	63.5	56.1	70.4	48.3	60.8
Morsoy RT 4485N	60.8	56.8	59.7	69.7	55.7	60.5
Trisoy 4184RR(CN)	60.3	62.3	66.6	67.5	45.4	60.4
Delta Grow 4150RR	62.2	60.3	63.5	61.4	53.5	60.2
Terral-REV45R10	59.4	59.2	59.9	66.6	55.0	60.0
Armor 46-N7	54.8	62.7	66.6	63.2	52.4	59.9
Delta Grow 4840RR	60.1	59.7	63.2	66.8	48.8	59.7
Mersch. Rocky RR	57.4	58.9	62.2	68.2	51.8	59.7
Pioneer 94Y20	63.1	62.3	43.9	68.6	57.4	59.0
USG 7473nRR	56.2	62.8	63.3	65.9	46.1	58.8
USG 74C36	51.0	51.6	59.9	62.5	49.7	54.9
GROUP 4 AVERAGE	66.1	63.7	67.5	71.3	59.1	65.5
L.S.D. AT .10	6.5	7.0	9.4	7.1	5.9	3.2
C.V. %	6.9	8.1	10.2	7.3	7.2	7.9

MATURITY GROUP 5

Armor 55-A5	75.5*	61.4*	67.1	78.8**	71.2*	70.8**
USG 75M49	78.3**	64.0*	66.0	75.1*	69.4*	70.6*
Pioneer 95Y40	64.7	54.2	81.8**	77.6*	73.4**	70.3*
Schillinger 557.RC	74.4*	66.9*	65.8	68.1	72.4*	69.5*
Asgrow AG5405	78.1*	56.2*	63.1	76.5*	72.9*	69.4*
Pioneer 95Y20	73.0*	59.4*	72.9*	69.6	69.8*	68.9*

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	Port (Loam)	Port (Clay)	
Armor 53-Z5	69.2	58.5*	70.3	75.6*	70.2*	68.8*
NK S54-M7 Brand	74.7*	54.3	69.8	73.4*	70.6*	68.6*
Progeny P5622RR	69.4	64.2*	65.1	76.7*	64.1	67.9*
Delta Grow 5160RR/STS	71.1*	67.2*	67.4	72.0*	61.1	67.8*
Terral TV54R28	74.4*	51.9	67.8	73.6*	68.5*	67.2*
Asgrow AG5606	70.0	48.4	68.5	75.3*	71.6*	66.8*
NK S56-L5 Brand	71.6*	57.7*	70.1	66.5	67.1*	66.6*
Delta Grow 5300RR/STS	66.4	55.6*	70.8*	75.6*	64.5	66.6*

Table 46. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	Port (Loam)	Port (Clay)	
Excel 8560NNRR	66.2	64.4*	71.8*	69.9	59.8	66.4
Schillinger 5440.R	70.9*	51.4	68.6	67.8	72.6*	66.3
Morsoy RT 5388N	75.2*	62.5*	57.8	68.5	67.1*	66.2
Dairyland 8509/RR	67.0	54.8	60.9	77.7*	70.7*	66.2
Pioneer 95M50	74.3*	52.9	69.5	65.2	68.2*	66.0
Dyna-Gro 32B57	70.4*	55.1	70.8*	68.3	64.5	65.8
Progeny P5409RR	66.4	57.4*	68.9	66.9	68.6*	65.6
Delta Grow 5170RR	71.9*	67.6**	57.8	68.5	62.4	65.6
MPG 5505nRR/STS	65.2	55.8*	68.4	67.9	69.1*	65.3
Delta Grow 5280RR	68.4	51.0	69.0	68.9	68.5*	65.2
Morsoy RT 5168	64.7	52.7	62.6	73.1*	71.2*	64.8
MPG 5308nRR	65.4	48.1	70.6	71.0*	69.0*	64.8
Southern Cross Damascus	62.8	57.9*	72.0*	64.0	66.3*	64.6
S06-4649	67.1	39.6	72.5*	77.3*	66.2	64.5
Hornbeck HBK R5425	62.6	56.1*	64.7	69.2	67.3*	64.0
Dyna-Gro V51N7RS	70.8*	50.5	63.4	69.2	64.5	63.7
USG 7515NRS	61.8	64.0*	67.8	67.7	57.1	63.7
USG 75M16	64.1	49.9	64.0	73.1*	66.9*	63.6
Progeny P5319RR	74.3*	44.2	58.0	71.8*	69.5*	63.6
Progeny P5115RR	69.0	61.2*	58.7	67.9	61.0	63.6
Delta Grow 5450RR	64.6	51.9	70.2	68.7	61.8	63.4
Terral TV55R15	73.4*	44.0	64.2	68.2	65.6	63.1
Hornbeck HBK R5226	72.1*	45.8	61.5	70.9*	65.0	63.0
NK S52-F2 Brand	60.6	53.1	68.5	67.4	64.6	62.8
Morsoy RT 5688N	58.5	59.5*	59.3	63.6	72.3*	62.6
Delta King DK-5363	67.0	39.7	65.3	67.3	71.0*	62.1
Dyna-Gro 32A53	72.6*	46.7	59.7	70.0	61.2	62.0
Delta Grow 5555RR	70.5*	47.9	63.8	60.9	64.5	61.5
Hornbeck HBK R5525	70.9*	51.9	59.2	66.0	59.1	61.4
Dyna-Gro 33X55	65.9	44.8	58.3	75.5*	62.3	61.4
Dyna-Gro 33C59	60.7	48.8	61.8	70.3	64.6	61.2
Dyna-Gro 35F55	69.3	45.9	51.9	71.2*	65.8	60.8
Delta King GP-533	66.4	47.9	59.8	66.1	62.2	60.5
USG 75Z38	68.3	35.5	67.6	62.9	65.3	59.9
MPG 5407nRR	61.8	58.3*	55.5	64.6	57.7	59.6
Progeny P5218RR	64.2	51.4	55.5	65.4	59.4	59.2
Hornbeck HBK R5229	65.5	43.1	60.9	63.7	62.4	59.1
Dyna-Gro 31R54	66.2	49.9	51.0	66.7	59.3	58.6
S06-3095	71.0*	29.3	63.8	63.3	65.7	58.6
Dyna-Gro 33B52	64.3	27.0	67.9	69.1	61.7	58.0
Progeny P5650RR	60.0	42.8	53.9	63.7	58.8	55.8
Mersch. Rushmore 959RR	69.4	33.0	49.7	58.7	58.3	53.8
GROUP 5 AVERAGE	68.4	52.1	64.5	69.5	65.8	64.1
L.S.D. AT .10	7.9	12.0	11.0	8.3	7.1	4.2
C.V. %	8.0	17.0	12.3	8.8	7.7	10.8

** 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 48. Non-Glyphosate Resistant / Special Traits Soybean Test

Southeast Region: Dexter, MO (Stoddard County)

Soil Type: Crowley Silt Loam Soil Test: pH=5.5, OM=1.5%, P=24, K=202

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=7.8, June=3.8, July=4.7, Aug=5.0, Sept=3.2 Total=24.5

Irrigation: 6.0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
SS 10L.51N	11	5.1	35	4	62.8**	--	--
HYC 10	--	4.6	39	1	62.6*	60.0	61.3
Hornbeck HALO 4:65	2,8,9	4.6	31	1	61.8*	--	--
Mersch. Austin 943LL	11	4.3	35	2	61.8*	--	--
Mersch. Olympus 1051LL	11	5.1	34	4	61.1*	--	--
Mersch. Orlando 1048LL	11	4.8	43	1	60.6*	--	--
Progeny P4928LL	4	4.9	36	2	59.5*	--	--
AR ROO-1194F	None	4.9	29	1	58.8*	--	--
Mersch. Miami 949LL	11	4.9	42	1	56.6*	--	--
Hornbeck HALO 5:65	2,8,9	5.6	40	4	56.3*	--	--
MPG X-45-1	11	4.5	33	2	56.2*	--	--
Emerge 447.TC	6	4.4	35	2	56.2*	--	--
HYC 11	--	4.9	42	3	56.2*	65.2*	60.7
Hornbeck HALO 4:94	2,8,9	4.9	36	2	55.1	--	--
SS 09L.49N	11	4.9	45	2	54.5	--	--
Hornbeck HALO 5:25	2,8,9	5.2	34	5	54.2	--	--
Jake	5	5.4	36	4	54.2	69.9*	62.1
Progeny P4910	4	4.9	39	3	52.9	--	--
Hornbeck HBK C5528	2,9	5.5	39	4	52.8	--	--
SS 09L.47N	11	4.7	36	3	52.7	--	--
Emerge 477.TCS	6	4.7	34	2	52.6	59.2	55.9
SS 10L.49N	11	4.9	36	1	52.4	--	--
V03-4705	None	4.7	27	4	52.3	--	--
Progeny P5770	4	5.7	35	5	52.1	--	--
Osage	None	5.6	33	3	51.0	--	--
Emerge 435.TCS	6	4.3	30	2	50.0	--	--
HYC 12	--	5.5	37	3	48.2	72.2**	60.2
Hornbeck HBK C5029	2,9	5.1	39	4	47.7	--	--
Glenn	5	5.5	30	5	45.1	--	--
V03-4660	None	4.6	36	4	43.9	--	--
Stoddard	5	4.9	30	3	42.8	51.2	47.0
S05-11482	4	5.2	36	5	41.0	--	--
S05-11268	4	5.2	27	5	34.4	--	--
GROUP 4 AVERAGE			35	3	53.3	62.9	58.1
L.S.D. AT .10					7.4	7.8	
C.V. %					10.1	10.5	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 49. Non-Glyphosate Resistant / Special Traits Soybean Test

Southeast Region: Morehouse, MO (New Madrid County)

Soil Type: Sharkey Clay Soil Test: pH=6.3, OM=2.3%, P=32, K=388

Cyst Nematode Population at Planting: 1868 Eggs/100cc of Soil

Rainfall: May=7.7, June=5.0, July=5.3, Aug.=3.7, Sept.=4.8 Total=26.5

Irrigation: 6.0 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Mersch. Olympus 1051LL	11	5.1	33	2	88.8**	--	--
SS 10L.51N	11	5.1	36	2	87.2	--	--
Hornbeck HALO 4:94	2,8,9	4.9	48	2	82.2	--	--
Hornbeck HALO 5:25	2,8,9	5.2	36	2	80.7	--	--
Progeny P4928LL	4	4.9	48	2	80.7	--	--
Hornbeck HALO 5:65	2,8,9	5.6	39	3	80.2	--	--
Mersch. Miami 949LL	11	4.9	45	3	76.8	--	--
Progeny P5770	4	5.7	39	4	75.6	--	--
Stoddard	5	4.9	32	2	74.4	58.3	66.4
Jake	5	5.4	39	4	74.2	65.4**	69.8
Glenn	5	5.5	33	5	73.4	--	--
AR ROO-1194F	None	4.9	36	3	71.9	--	--
Hornbeck HBK C5528	2,9	5.5	45	4	71.2	--	--
Osage	None	5.6	33	2	70.5	--	--
SS 09L.49N	11	4.9	48	2	70.2	--	--
SS 10L.49N	11	4.9	45	2	70.1	--	--
HYC 12	--	5.5	39	2	69.6	63.1*	66.4
Progeny P4910	4	4.9	45	3	69.3	--	--
Mersch. Orlando 1048LL	11	4.8	36	1	69.3	--	--
V03-4705	None	4.7	36	3	67.6	--	--
SS 09L.47N	11	4.7	42	3	66.8	--	--
Emerge 447.TC	6	4.4	39	2	66.7	--	--
Mersch. Austin 943LL	11	4.3	36	2	64.4	--	--
HYC 10	--	4.6	42	1	64.0	65.3*	64.7
S05-11268	4	5.2	34	5	63.3	--	--
HYC 11	--	4.9	39	3	63.2	62.6*	62.9
Hornbeck HBK C5029	2,9	5.1	36	3	62.8	--	--
Hornbeck HALO 4:65	2,8,9	4.6	42	3	62.5	--	--
S05-11482	4	5.2	30	5	58.9	--	--
V03-4660	None	4.6	42	3	57.4	--	--
Emerge 477.TCS	6	4.7	36	3	56.3	65.0*	60.7
Emerge 435.TCS	6	4.3	33	1	55.1	--	--
MPG X-45-1	11	4.5	33	2	54.9	--	--
GROUP 4 AVERAGE			39	3	69.7	62.9	66.3
L.S.D. AT .10					9.0	4.0	
C.V. %					11.3	5.4	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 50. Non-Glyphosate Resistant / Special Traits Soybean Test

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

Soil Type: Tiptonville Silt Loam Soil Test: pH=6.1, OM=1.1%, P=102, K=298

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=7.1, June=2.4, July=4.5, Aug=2.9, Sept=4.4 Total=21.3

Irrigation: 5.8 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	2 Yr. Mean
					-----bu/acre-----		
Hornbeck HBK C5528	2,9	5.5	39	2	86.9**	--	--
Mersch. Olympus 1051LL	11	5.1	33	1	84.0*	--	--
Hornbeck HALO 5:25	2,8,9	5.2	30	1	80.6*	--	--
SS 10L.51N	11	5.1	28	1	78.1	--	--
Jake	5	5.4	35	1	77.4	63.2	70.3
Mersch. Miami 949LL	11	4.9	45	2	74.8	--	--
Osage	None	5.6	30	1	74.3	--	--
HYC 12	--	5.5	33	2	74.3	57.7	66.0
Hornbeck HALO 5:65	2,8,9	5.6	36	1	74.1	--	--
Hornbeck HALO 4:65	2,8,9	4.6	42	2	72.4	--	--
Hornbeck HALO 4:94	2,8,9	4.9	45	2	72.4	--	--
HYC 11	--	4.9	51	3	72.1	76.0*	74.1
Progeny P4928LL	4	4.9	39	2	71.5	--	--
Progeny P5770	4	5.7	33	3	71.5	--	--
Stoddard	5	4.9	30	2	70.7	68.5	69.6
AR ROO-1194F	None	4.9	42	1	69.7	--	--
SS 09L.49N	11	4.9	48	3	69.1	--	--
Mersch. Austin 943LL	11	4.3	41	2	68.9	--	--
S05-11482	4	5.2	30	3	68.2	--	--
S05-11268	4	5.2	27	2	68.0	--	--
Progeny P4910	4	4.9	46	2	67.5	--	--
MPG X-45-1	11	4.5	42	2	67.2	--	--
Glenn	5	5.5	31	2	67.0	--	--
HYC 10	--	4.6	48	1	66.6	78.4**	72.5
Hornbeck HBK C5029	2,9	5.1	45	2	66.2	--	--
SS 10L.49N	11	4.9	48	1	65.8	--	--
Emerge 447.TC	6	4.4	42	2	64.3	--	--
Emerge 477.TCS	6	4.7	33	3	62.6	72.2*	67.4
Mersch. Orlando 1048LL	11	4.8	48	2	62.5	--	--
V03-4660	None	4.6	33	2	62.5	--	--
SS 09L.47N	11	4.7	45	2	61.5	--	--
V03-4705	None	4.7	30	2	61.0	--	--
Emerge 435.TCS	6	4.3	30	1	55.4	--	--
GROUP 4 AVERAGE			38	2	70.0	70.1	70.1
L.S.D. AT .10					6.6	7.0	
C.V. %					6.8	8.3	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 51. Non-Glyphosate Resistant / Special Traits Soybean Test

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

Soil Type: Portageville Clay Soil Test: pH=6.6, OM=2.1%, P=78, K=484

Cyst Nematode Population at Planting: 156 Eggs/100cc of Soil

Rainfall: May=7.1, June=2.4, July=4.5, Aug=2.9, Sept=4.4 Total= 21.3

Irrigation: 8.4 in.

Brand-Variety	Seed Treatment ⁺	2009			Yield		2 Yr. Mean
		Maturity Group	Plant Height (in)	Lodging Score	2009	2008	
Mersch. Olympus 1051LL	11	5.1	42	2	81.3**	--	--
Hornbeck HALO 5:25	2,8,9	5.2	27	1	79.1*	--	--
Jake	5	5.4	39	2	76.9*	55.2*	66.1
Progeny P5770	4	5.7	31	2	76.3*	--	--
SS 10L.51N	11	5.1	33	4	76.2*	--	--
Hornbeck HALO 5:65	2,8,9	5.6	31	3	74.6	--	--
Hornbeck HBK C5528	2,9	5.5	41	3	73.8	--	--
Hornbeck HALO 4:94	2,8,9	4.9	33	3	72.6	--	--
Osage	None	5.6	33	3	71.8	--	--
HYC 12	--	5.5	33	1	71.7	59.0**	65.4
SS 09L.49N	11	4.9	39	2	71.6	--	--
Progeny P4928LL	4	4.9	34	2	71.2	--	--
Glenn	5	5.5	36	4	69.7	--	--
Mersch. Miami 949LL	11	4.9	39	3	69.0	--	--
AR ROO-1194F	None	4.9	36	3	68.2	--	--
V03-4705	None	4.7	36	3	66.7	--	--
S05-11482	4	5.2	31	5	66.7	--	--
HYC 10	--	4.6	42	2	66.3	49.6	58.0
Progeny P4910	4	4.9	33	3	65.9	--	--
S05-11268	4	5.2	33	3	65.5	--	--
Stoddard	5	4.9	42	3	64.4	49.6	57.0
Hornbeck HBK C5029	2,9	5.1	42	4	62.9	--	--
HYC 11	--	4.9	33	4	60.7	52.1	56.4
Hornbeck HALO 4:65	2,8,9	4.6	30	3	60.6	--	--
V03-4660	None	4.6	39	3	60.4	--	--
SS 10L.49N	11	4.9	27	2	60.1	--	--
Mersch. Austin 943LL	11	4.3	27	3	59.0	--	--
Mersch. Orlando 1048LL	11	4.8	37	2	57.2	--	--
Emerge 447.TC	6	4.4	39	4	55.3	--	--
MPG X-45-1	11	4.5	42	3	54.6	--	--
Emerge 477.TCS	6	4.7	36	4	51.1	57.8*	54.5
SS 09L.47N	11	4.7	33	4	49.8	--	--
Emerge 435.TCS	6	4.3	38	5	45.3	--	--
GROUP 4 AVERAGE			35	3	66.0	53.6	59.8
L.S.D. AT .10					5.9	4.0	
C.V. %					6.4	6.2	

-- 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= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

TABLE 52. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Five Southeast Missouri locations (Chaffee, Dexter, Morehouse, Portageville (Loam), Portageville (Clay)) during 2009.

<u>Chaffee</u> Planted: 05-20 Harvested: 10-19 Growing Season Rainfall: 16.8 Irrigation: 0 in.	<u>Dexter</u> Planted: 06-19 Harvested: 11-03 Growing Season Rainfall: 24.5 Irrigation: 6.0 in.	<u>Morehouse</u> Planted: 06-02 Harvested: 11-05 Growing Season Rainfall: 26.5 Irrigation: 6.0 in.
<u>Portageville (Loam)</u> Planted: 05-19 Harvested: 10-18 Growing Season Rainfall: 21.3 Irrigation: 5.8 in.	<u>Portageville (Clay)</u> Planted: 05-19 Harvested: 11-06 Growing Season Rainfall: 21.3 Irrigation: 8.4 in.	

Brand-Variety	Yield (Bu/Acre)					
	Chaffee	Dexter	Morehouse	Port (Loam)	Port (Clay)	Mean
Mersch. Olympus 1051LL	70.2	61.1*	88.8**	84.0*	81.3**	77.1**
SS 10L.51N	71.3	62.8**	87.2	78.1	76.2*	75.1*
Hornbeck HALO 5:25	70.1	54.2	80.7	80.6*	79.1*	72.9
Hornbeck HALO 5:65	74.5	56.3*	80.2	74.1	74.6	71.9
Jake	75.4	54.2	74.2	77.4	76.9*	71.6
Progeny P4928LL	74.6	59.5*	80.7	71.5	71.2	71.5
Hornbeck HALO 4:94	73.7	55.1	82.2	72.4	72.6	71.2
SS 09L.49N	82.7**	54.5	70.2	69.1	71.6	69.6
Mersch. Miami 949LL	70.1	56.6*	76.8	74.8	69.0	69.5
Hornbeck HBK C5528	62.3	52.8	71.2	86.9**	73.8	69.4
AR ROO-1194F	67.6	58.8*	71.9	69.7	68.2	67.2
Progeny P5770	58.1	52.1	75.6	71.5	76.3*	66.7
HYC 12	67.8	48.2	69.6	74.3	71.7	66.3
Osage	62.3	51.0	70.5	74.3	71.8	66.0
Mersch. Austin 943LL	67.9	61.8*	64.4	68.9	59.0	64.4
HYC 10	62.0	62.6*	64.0	66.6	66.3	64.3
Hornbeck HALO 4:65	62.7	61.8*	62.5	72.4	60.6	64.0
Progeny P4910	63.2	52.9	69.3	67.5	65.9	63.8
HYC 11	66.2	56.2*	63.2	72.1	60.7	63.7
Glenn	61.5	45.1	73.4	67.0	69.7	63.3
Stoddard	63.2	42.8	74.4	70.7	64.4	63.1
Mersch. Orlando 1048LL	64.1	60.6*	69.3	62.5	57.2	62.7
Hornbeck HBK C5029	72.6	47.7	62.8	66.2	62.9	62.4
SS 10L.49N	62.8	52.4	70.1	65.8	60.1	62.2
S05-11482	74.5	41.0	58.9	68.2	66.7	61.8
V03-4705	61.7	52.3	67.6	61.0	66.7	61.8
Emerge 447.TC	55.0	56.2*	66.7	64.3	55.3	59.5
S05-11268	65.2	34.4	63.3	68.0	65.5	59.3
MPG X-45-1	58.8	56.2*	54.9	67.2	54.6	58.3
SS 09L.47N	55.1	52.7	66.8	61.5	49.8	57.2
V03-4660	58.7	43.9	57.4	62.5	60.4	56.6
Emerge 477.TCS	58.4	52.6	56.3	62.6	51.1	56.2
Emerge 435.TCS	54.2	50.0	55.1	55.4	45.3	52.0
GROUP 4 AVERAGE	65.7	53.3	69.7	70.0	66.0	64.9
L.S.D. AT .10	7.1	7.4	9.0	6.6	5.9	3.4
C.V. %	7.5	10.1	11.3	6.8	6.4	8.4

** 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.

Characteristics for Varieties Entered in the 2009 Missouri Soybean Tests

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
AR ROO-1194F	V	4.9	NA	NA	NA	NA	None	None
Armor 42-M1	BR	4.2	3	S	PI88788	4	GR	6
Armor 44-K6	BR	4.4	2	S	PI88788	4	GR/STS	6
Armor 47-F8	BR	4.7	2	S	PI88788	2	GR/STS	6
Armor 48-J3	BR	4.8	2	S	PI88788	3	GR	6
Armor 53-Z5	BR	5.3	4	S	PI88788	3	GR/STS	6
Armor 55-A5	BR	5.5	2	S	PI88788	2	GR	6
Armor ARX 0431	BR	4.3	3	Rps1c	NA	3	GR	6
Armor ARX 0432	BR	4.3	3	Rps1c	NA	3	GR	6
Armor ARX 045	BR	4.5	2	S	NA	NA	GR	6
Armor ARX 0471	BR	4.7	3	Rps1c	NA	2	GR	6
Armor ARX 0472	BR	4.7	3	Rps1c	NA	2	GR	6
Armor ARX 0473	BR	4.7	2	Rps1c	NA	2	GR	6
Armor ARX 0474	BR	4.7	2	Rps1c	NA	2	GR	6
Asgrow AG3039	V	3.0	NA	Rps1k	PI88788	NA	RR2Y	1
Asgrow AG3130	V	3.1	5	Rps1c	PI88788	NA	RR2Y	1
Asgrow AG3139	V	3.1	5	Rps1c	PI88788	4	RR2Y	1
Asgrow AG3402	V	3.4	5	Rps1c	PI88788	4	GR	6
Asgrow AG3430	V	3.4	NA	NA	NA	NA	RR2Y	1
Asgrow AG3539	V	3.5	5	Rps1k	PI88788	5	RR2Y	1
Asgrow AG3803	V	3.8	4	Rps1c	PI88788	5	GR	6
Asgrow AG4005	V	4.0	5	Rps1c	PI88788	4	GR	6
Asgrow AG4303	V	4.3	5	S	PI88788	-	GR/STS	6
Asgrow AG4404	V	4.4	5	Rps1a	PI88788	5	GR/STS	6
Asgrow AG4606	V	4.6	5	Rps1c	PI88788	4	GR/STS	6
Asgrow AG4703	V	4.7	5	S	PI88788	4	GR	6
Asgrow AG4903	V	4.9	7	S	NA	2	GR/STS	6
Asgrow AG4907	V	4.9	5	Rps1c	PI88788	5	GR	6
Asgrow AG5405	V	5.4	3	S	PI88788	NA	GR/STS	6
Asgrow AG5605	V	5.6	5	S	PI88788	3	GR/STS	6
Asgrow AG5606	V	5.6	4	S	PI88788	NA	GR	6
Asgrow DKB46-51	V	4.6	5	S	PI88788	6	GR	6
Asgrow RY3209	V	3.2	NA	NA	NA	NA	RR2Y	1
Asgrow RY3309	V	3.3	NA	NA	NA	NA	RR2Y	1
Asgrow RY3509	V	3.5	NA	NA	NA	NA	RR2Y	1
Asgrow RY3709	V	3.7	NA	NA	NA	NA	RR2Y	1
Channel 3916R Brand	BR	3.9	2	Rps1c	PI88788	3	GR	4
Channel 4119R Brand	BR	4.1	3	S	PI88788	3	GR/STS	4
Channel 4517R Brand	BR	4.5	3	Rps1a	PI88788	2	GR/STS	4
Channel 4817R Brand	BR	4.8	3	Rps1a	S	4	GR/STS	4
Channel 4820R Brand	BR	4.8	4	Rps1c	PI88788	2	GR/STS	4
Channel 4A15RS Brand	BR	4.1	3	S	PI88788	3	GR/STS	4
Dairyland 4300/RR	V	4.3	3	NA	PI88788	NA	GR	6
Dairyland 4500/RRSTS	V	4.5	2	NA	PI88788	NA	GR/STS	6
Dairyland 48-000/RR	V	4.8	3	NA	PI88788	NA	GR	6
Dairyland 8474/RR	V	4.7	3	NA	PI88788	NA	GR	6
Dairyland 8482/RR	V	4.8	3	Rps1k	NA	NA	GR	6
Dairyland 8509/RR	V	5.0		Rps1k	PI88788	NA	GR	6
Delta Grow 4150RR	BR	4.1	2	Rps1a	PI88788	3	GR	4

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
Delta Grow 4470RR/STS	BR	4.4	3	NA	PI88788	3	GR/STS	4
Delta Grow 4770RR	BR	4.7	4	NA	PI88788	4	GR	4
Delta Grow 4780RR	BR	4.7	2	Rps1c	PI88788	3	GR	4
Delta Grow 4840RR	BR	4.8	4	NA	PI88788	3	GR	4
Delta Grow 4870RR	BR	4.8	3	NA	PI88788	3	GR	4
Delta Grow 4970RR	BR	4.9	3	Rps1k	PI88788	2	GR	4
Delta Grow 4975RR	BR	4.9	2	Rps1a	PI88788	1	GR	4
Delta Grow 5160RR/STS	BR	5.1	2	NA	PI88788	2	GR/STS	4
Delta Grow 5170RR	BR	5.1	3	NA	PI88788	2	GR	4
Delta Grow 5280RR	BR	5.2	4	NA	PI88788	4	GR	4
Delta Grow 5300RR/STS	BR	5.3	5	Rps1c	PI88788	2	GR/STS	4
Delta Grow 5450RR	BR	5.4	3	NA	PI88788	3	GR	4
Delta Grow 5555RR	BR	5.5	2	NA	PI88788	2	GR	4
Delta King DK 4560	BR	4.5	2	S	PI88788	2	GR	6
Delta King DK 4770	BR	4.7	2	Rps1a	PI88788	4	GR	6
Delta King DK4968	BR	4.9	3	S	PI88788	5	GR	6
Delta King DKX 0461	BR	4.6	3	S	NA	2	GR	6
Delta King DKX 0462	BR	4.6	3	S	NA	2	GR	6
Delta King DKX 053	BR	5.3	2	S	PI88788	4	GR	6
Delta King GP-533	BR	5.3	2	S	NA	5	GR	6
Dyna-Gro 31R54	V	5.4	3	Rps1c	NA	2	GR/STS	4
Dyna-Gro 32A53	V	5.3	3	S	NA	3	GR	4
Dyna-Gro 32B57	V	5.7	3	S	NA	3	GR	4
Dyna-Gro 32P48	V	4.8	2	S	NA	3	GR	4
Dyna-Gro 32R46	V	4.6	3	S	NA	2	GR/STS	4
Dyna-Gro 32X39	BR	3.9	2	Rps1c	PI88788	2	GR	6
Dyna-Gro 33B52	V	5.2	3	S	NA	3	GR	4
Dyna-Gro 33C59	V	5.9	2	S	NA	3	GR	4
Dyna-Gro 33X55	V	5.5	2	S	NA	2	GR	4
Dyna-Gro 33Y45	V	4.5	4	S	NA	5	GR/STS	4
Dyna-Gro 35F55	V	5.5	2	S	NA	3	GR	4
Dyna-Gro 36C44	V	4.4	3	S	NA	3	GR/STS	4
Dyna-Gro 36Y48	V	4.8	3	S	NA	2	GR/STS	4
Dyna-Gro 37P37	BR	3.7	4	Rps1c	PI88788	2	GR	6
Dyna-Gro 37P49	V	4.9	2	Rps1a	NA	2	GR	4
Dyna-Gro 38C42	BR	4.2	3	S	PI88788	4	GR/STS	6
Dyna-Gro Exp 3.6	BR	3.6	3	S	PI88788	3	GR	6
Dyna-Gro Exp 3.8	BR	3.8	4	S	PI88788	3	GR	6
Dyna-Gro Exp 4.3	BR	4.3	3	S	PI88788	3	GR	6
Dyna-Gro V47N9RS	V	4.7	2	Rps1c	NA	3	GR/STS	6
Dyna-Gro V48N7RS	V	4.8	3	S	NA	2	GR/STS	4
Dyna-Gro V51N7RS	V	5.1	2	Rps1c	NA	4	GR/STS	4
Emerge 348.TC	NA	3.4	NA	NA	NA	NA	None	6
Emerge 388.TC	NA	3.8	NA	NA	NA	NA	None	6
Emerge 389F.YC	NA	3.8	NA	NA	NA	NA	None	6
Emerge 428F.HPC	NA	4.4	NA	NA	NA	NA	None	6
Emerge 435.TCS	NA	4.3	NA	NA	NA	NA	None	6
Emerge 447.TC	NA	4.4	NA	NA	NA	NA	None	6
Emerge 477.TCS	NA	4.7	NA	NA	NA	NA	None	6
Excel 8560NNRR	BR	5.6	NA	NA	NA	NA	GR	2
Fontanelle 407NRRSTS	NA	4.0	NA	NA	NA	NA	GR/STS	None
Fontanelle 460RRSTS	NA	4.6	NA	NA	NA	NA	GR/STS	None
Fontanelle 478NRRSTS	NA	4.4	NA	NA	NA	NA	GR/STS	None

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
Fontanelle 78N18	NA	3.6	NA	NA	NA	NA	GR	None
Fontanelle 80N29	NA	4.0	5	NA	NA	NA	GR	None
Fontanelle 9789NRR	NA	3.7	NA	NA	NA	NA	GR	None
Fontanelle Exp441	NA	4.4	NA	NA	NA	NA	GR	None
FS HiSoy HS36A90	BR	3.6	3	S	PI88788	4	GR	6
FS HiSoy HS38A90	BR	3.8	4	S	PI88788	3	GR	6
FS HiSoy HS38A92	BR	3.8	3	S	PI88788	2	GR	6
FS HiSoy HS38R80	BR	3.8	3	Rps1c	PI88788	3	GR	6
FS HiSoy HS39R70	BR	3.9	2	Rps1c	PI88788	2	GR	6
FS HiSoy HS41T80	BR	3.9	2	S	PI88788	3	GR	6
G2 Genetics 6369	BR	3.6	NA	Rps1k	NA	NA	GR	7
G2 Genetics 7333	BR	3.3	NA	Rps1c	PI88788	NA	GR	7
G2 Genetics 7341	BR	3.4	NA	Rps1k	PI88788	NA	GR	7
G2 Genetics 7373	BR	3.7	NA	Rps1k	PI88788	NA	GR	7
G2 Genetics 7383	BR	3.8	NA	Rps1k	PI88788	NA	GR	7
G2 Genetics 7389	BR	3.8	NA	Rps1k	PI88788	NA	GR	7
G2 Genetics 7401	BR	4.0	NA	PI88788	NA	NA	GR	7
G2 Genetics 7419	BR	4.1	NA	Rps1k	PI88788	NA	GR	7
G2 Genetics 7439S	BR	4.3	NA	NA	PI88788	NA	GR	7
G2 Genetics 7479	BR	4.7	NA	NA	PI88788	NA	GR	7
Glenn	V	5.5	NA	NA	NA	NA	None	5
Hornbeck HALO 4:65	BR	4.6	1	Rps1c	NA	NA	LL	2,8,9
Hornbeck HALO 4:94	BR	4.9	1	Rps1k	NA	NA	LL	2,8,9
Hornbeck HALO 5:25	BR	5.2	3	NA	NA	NA	LL	2,8,9
Hornbeck HALO 5:65	BR	5.6	2	NA	NA	NA	LL	2,8,9
Hornbeck HBK C5029	BR	5.1	3	NA	NA	NA	None	2,9
Hornbeck HBK C5528	BR	5.5	2	NA	NA	NA	None	2,9
Hornbeck HBK R3927	BR	3.9	4	NA	NA	7	GR	2,9
Hornbeck HBK R4527	BR	4.5	1	Rps1c	NA	NA	GR	2,9
Hornbeck HBK R4727	BR	4.7	2	Rps1c	PI88788	2	GR	2,9
Hornbeck HBK R4729	BR	4.7	4	NA	PI88788	NA	GR	2,9
Hornbeck HBK R4924	BR	4.9	6	NA	PI88788	3	GR	2,9
Hornbeck HBK R5226	BR	5.2	3	NA	PI88788	6	GR	2,9
Hornbeck HBK R5229	BR	5.2	NA	NA	PI88788	NA	GR	2,9
Hornbeck HBK R5425	BR	5.4	1	NA	PI88788	3	GR	2,9
Hornbeck HBK R5525	BR	5.5	1	NA	PI88788	3	GR	2,9
Hubner H35-01R2	BR	3.5	NA	NA	PI88788	NA	RR2Y	8,10
Hubner H366NRR	BR	3.6	NA	NA	PI88788	NA	GR	8,10
Hubner H39-01R2	BR	3.9	NA	NA	PI88788	NA	RR2Y	8,10
Hubner H398NRR	BR	3.9	NA	NA	PI88788	NA	GR	8,10
Jake	V	5.4	3	S	Hartwig	3	None	5
Kruger K2-3401	BR	3.4	NA	Rps1c	PI88788	NA	GR	1
Kruger K2-3601	BR	3.5	NA	S	PI88788	NA	GR	1
Kruger K2-3801	BR	3.8	NA	Rps1c	PI88788	NA	GR	1
Kruger K2-3901	BR	3.9	NA	S	PI88788	NA	GR	1
Kruger K2X41A9	NA	4.1	NA	Rps1k	PI88788	NA	GR	1
Kruger K2X43A9	BR	4.3	NA	S	PI88788	NA	GR	1
Kruger K2X43B9	BR	4.3	NA	Rps1a	PI88788	NA	GR	1
Kruger K2X43C9	BR	4.3	NA	Rps1c	PI88788	NA	GR	1
Kruger K2X44A9	BR	4.4	NA	Rps1c	PI88788	NA	GR	1
Kruger K2X45A9	BR	4.5	NA	Rps1c	PI88788	NA	GR	1
Kruger K-375RR/SCN	BR	3.8	NA	Rps1c	PI88788	NA	GR	6
Kruger K-384RR/SCN	BR	3.8	NA	Rps1c	PI88788	NA	GR	6

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
Kruger K-428RR/SCN	BR	4.2	NA	S	PI88788	NA	GR	6
Kruger K-439RR/SCN	BR	4.3	NA	S	PI88788	NA	GR	6
Lewis 360R2	BR	3.6	2	S	PI88788	3	GR	1
Lewis 3780	BR	3.7	2	Rps1c	PI88788	3	GR/STS	11
Lewis 380R2	BR	3.8	3	S	PI88788	3	GR	1
Lewis 3909	BR	3.9	2	Rps1c	PI88788	2	GR	11
Lewis 3968	BR	4.0	2	Rps1c	PI88788	3	GR	11
Lewis 400R2	BR	4.0	3	S	PI88788	2	GR	1
Lewis 4150	BR	4.1	3	S	PI88788	3	GR/STS	11
Lewis 45XR2	NA	4.5	2	Rps1c	NA	2	GR	1
Lewis 4729	BR	4.7	2	Rps1c	PI88788	3	GR/STS	11
Magellan	V	4.3	NA	NA	NA		None	5
Mersch. Atlanta 1047RR2Y	BR	4.7	4	Rps1c	S	4	GR	1
Mersch. Austin 943LL	BR	4.3	3	Rps1c	PI88788	4	LL	11
Mersch. Boston 1046RR2Y	BR	4.6	4	Rps1c	S	4	GR	1
Mersch. Denver 1043RR	BR	4.3	4	S	PI88788	4	GR	2,8,10
Mersch. Houston 747RR	BR	4.7	4	S	PI88788	4	GR	2,8,10
Mersch. Memphis 943RR	BR	4.3	4	S	PI88788	5	GR	2,8,10
Mersch. Miami 949LL	BR	4.9	3	Rps1k	PI88788	5	LL	11
Mersch. Nashville 749RR	BR	4.9	3	Rps1a	PI88788	4	GR	2,8,10
Mersch. Norfolk 741RR	BR	4.1	4	S	PI88788	4	GR	2,8,10
Mersch. Olympus 1051LL	BR	5.1	4	S	PI88788	4	LL	11
Mersch. Orlando 1048LL	BR	4.8	4	S	PI88788	5	LL	11
Mersch. Rocky RR	BR	4.6	4	S	PI88788	5	GR	2,8,10
Mersch. Rushmore 959RR	BR	5.9	4	S	PI88788	5	GR	2,8,10
Midland 3610NRR	BR	3.6	2	NA	PI88788	NA	GR	10
Midland 3630R2	BR	3.6	2	NA	PI88788	2	GR	10
Midland 3738NRR	BR	3.7	2	NA	PI88788	2	GR	10
Midland 3740NR2	BR	3.7	2	NA	PI88788	2	GR	10
Midland 3850NR2	BR	3.8	2	NA	PI88788	2	GR	10
Midland 3920NRS	BR	3.9	2	NA	PI88788	2	GR	10
Midland 3960NR2	BR	3.9	2	NA	PI88788	2	GR	10
Midland 4157NRS	BR	4.1	2	NA	PI88788	2	GR	10
Midland 4270NR2	BR	4.2	2	NA	PI88788	2	GR	10
Midland 4289NRS	BR	4.2	2	NA	PI88788	2	GR	10
Midland 4329NRR	BR	4.3	2	NA	PI88788	2	GR	10
Midland 4477NRR	BR	4.4	2	NA	PI88788	2	GR	10
Midland 4580R2	BR	4.5	2	NA	PI88788	2	GR	10
Midland 4768NRR	BR	4.7	2	NA	PI88788	2	GR	10
Midland 4770NRR	BR	4.7	2	NA	PI88788	2	GR	10
Midland 4839NRS	BR	4.8	2	NA	PI88788	2	GR	10
Morsoy 3919N	BR	3.9	3	NA	PI88788	3	None	11
Morsoy 4426SCN	BR	4.4	4	NA	PI88788	3	None	11
Morsoy LL3748N	BR	3.7	2	Rps1c	PI88788	2	LL	11
Morsoy LL3759N	BR	3.7	2	NA	PI88788	3	LL	11
Morsoy LL3939N	BR	3.9	2	NA	PI88788	3	LL	11
Morsoy LL4208N	BR	4.2	3	Rps1c	PI88788	3	LL	11
Morsoy LL4998N	BR	4.9	3	Rps1k	PI88788	4	LL	11
Morsoy RT 3328N	BR	3.3	2	Rps1c	PI88788	3	GR	1
Morsoy RT 3609N	BR	3.6	2	NA	PI88788	3	GR	1
Morsoy RT 3629N	BR	3.6	2	Rps1k	PI88788	3	GR	6
Morsoy RT 3807N	BR	3.8	2	Rps1c	PI88788	2	GR	6
Morsoy RT 3858N	BR	3.8	3	Rps1c	PI88788	3	GR	6

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
Morsoy RT 3887N	BR	3.8	3	Rps1c	PI88788	3	GR	6
Morsoy RT 3889N	BR	3.8	3	NA	PI88788	3	GR	1
Morsoy RT 4126N	BR	4.1	3	NA	PI88788	3	GR	6
Morsoy RT 4249N	BR	4.2	3	Rps1k	PI88788	3	GR	1
Morsoy RT 4299N	BR	4.2	2	NA	PI88788	3	GR	6
Morsoy RT 4457N	BR	4.4	2	NA	PI88788	3	GR	6
Morsoy RT 4485N	BR	4.4	3	NA	PI88788	3	GR	6
Morsoy RT 4707N	BR	4.7	2	Rps1c	PI88788	2	GR	6
Morsoy RT 4914N	BR	4.9	2	NA	PI88788	4	GR	6
Morsoy RT 4919N	BR	4.9	2	NA	PI88788	2	GR	6
Morsoy RT 5154N	BR	5.1	2	NA	PI88788	2	GR	6
Morsoy RT 5168	BR	5.1	2	NA	PI88788	2	GR	6
Morsoy RT 5388N	BR	5.3	3	NA	PI88788	2	GR	6
Morsoy RT 5688N	BR	5.6	2	NA	PI88788	2	GR	6
Morsoy RTS 4706N	BR	4.7	2	NA	PI88788	2	GR/STS	6
Morsoy RTS 4824	BR	4.8	2	Rps1a	NA	2	GR/STS	6
Morsoy RTS 4955N	BR	4.9	2	NA	PI88788	2	GR/STS	6
MPG 3510nRR	BR	3.5	2	Rps1c	PI88788	2	GR	11
MPG 3609nRR	BR	3.7	2	Rps1c	PI88788	2	GR	11
MPG 415CN	BR	4.2	3	NA	NA	3	None	11
MPG 4209nRR/STS	BR	4.2	2	NA	PI88788	2	GR/STS	11
MPG 4310nRR/STS	BR	4.3	2	NA	PI88788	2	GR/STS	11
MPG 4406nRR	BR	4.4	2	NA	PI88788	2	GR	11
MPG 4509nRR/STS	BR	4.5	2	NA	PI88788	3	GR/STS	11
MPG 4810RR	BR	4.8	2	NA	NA	2	GR	11
MPG 4909nRR	BR	4.9	2	Rps1c	PI88788	2	GR	11
MPG 5308nRR	BR	5.3	2	NA	NA	2	GR	11
MPG 5407nRR	BR	5.4	2	NA	NA	2	GR	11
MPG 5505nRR/STS	BR	5.5	2	NA	NA	2	GR/STS	11
MPG X-38-1	BR	3.8	2	Rps1c	NA	2	None	11
MPG X-45-1	BR	4.5	2	NA	NA	2	None	11
MPG X-49-1nRR	BR	4.2	2	Rps1k	NA	2	GR	11
MPV 4238N	BR	4.2	5	S	NA	4	None	5
MU Exp 3901	V	3.9	NA	NA	NA	NA	None	2,9
MU Exp 4010N	V	4.0	NA	NA	NA	NA	None	2,9
Mustang	V	4.1	NA	NA	NA	NA	None	5
Mycogen 5N370RR	V	3.7	3	Rps1c	PI88788	3	GR	4
Mycogen 5N382RR	V	3.8	2	Rps1c	PI88788	2	GR/STS	4
Mycogen 5N383RR	V	3.8	3	NA	PI88788	4	GR	4
Mycogen 5N392RR	V	3.9	3	NA	PI88788	3	GR	4
NK S33-K5 Brand	BR	3.3	5	Rps1a	NA	3	GR	6
NK S34-R2 Brand	BR	3.4	3	Rps1a	PI88788	2	GR	6
NK S35-T9 Brand	BR	3.5	4	NA	PI88788	4	GR	6
NK S37-F7 Brand	BR	3.7	3	NA	PI88788	3	GR	6
NK S37-P5 Brand	BR	3.7	3	NA	PI88788	4	GR	6
NK S39-A3 Brand	BR	3.9	4	NA	PI88788	2	GR	6
NK S41-R6 Brand	BR	4.1	3	NA	PI88788	4	GR	6
NK S44-D5 Brand	BR	4.4	4	Rps1c	PI88788	4	GR	6
NK S46-U6 Brand	BR	4.6	3	Rps1c	PI88788	7	GR	6
NK S48-C9 Brand	BR	4.8	5	Rps1a	PI88788	3	GR	6
NK S49-H7 Brand	BR	4.9	4	NA	PI88788	4	GR	6
NK S52-F2 Brand	BR	5.2	4	NA	PI88788	5	GR	6
NK S54-M7 Brand	BR	5.4	3	NA	PI88788	2	GR	6

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
NK S56-L5 Brand	BR	5.6	5	NA	PI88788	4	GR	6
NuTech 3349L	BR	3.4	NA	NA	PI88788	NA	LL	6
NuTech 3369L	BR	3.6	NA	NA	PI88788	NA	LL	6
NuTech 3378L	BR	3.7	NA	Rps1c	PI88788	NA	LL	6
NuTech 3399L	BR	3.9	NA	NA	PI88788	NA	LL	6
NuTech 3418L	BR	4.1	NA	Rps1c	PI88788	NA	LL	6
NuTech 3909 SRN	BR	3.9	NA	Rps1c	PI88788	NA	GR/STS	6
NuTech 4242RN	BR	4.2	NA	NA	PI88788	NA	GR/STS	6
NuTech 7349	BR	3.4	NA	Rps1k	PI88788	NA	GR	6
NuTech 7369S	BR	3.6	NA	Rps1c	PI88788	NA	GR/STS	6
NuTech 7379	BR	3.7	NA	Rps1c	PI88788	NA	GR	6
NuTech 7386	BR	3.8	NA	Rps1c	PI88788	NA	GR/STS	6
NuTech 7399	BR	3.9	NA	Rps1c	PI88788	NA	GR	6
NuTech 7417	BR	4.1	NA	NA	PI88788	NA	GR/STS	6
NuTech 7425S	BR	4.2	NA	NA	PI88788	NA	GR/STS	6
NuTech 7475	BR	4.7	NA	NA	PI88788	NA	GR/STS	6
NuTech 7479	BR	4.7	NA	NA	PI88788	NA	GR	6
Osage	V	5.6	NA	NA	NA	NA	None	None
Pioneer 93M42	V	3.4	NA	NA	NA	NA	GR	6
Pioneer 93M61	V	3.6	NA	NA	NA	NA	GR	6
Pioneer 93Y70	V	3.7	NA	NA	NA	NA	GR	6
Pioneer 94Y01	V	4.0	5	Rps1k	PI88788	3	GR	6
Pioneer 94Y20	V	4.2	5	Rps1k	PI88788	3	GR	6
Pioneer 94Y60	V	4.6	5	Rps1k	PI88788	2	GR	6
Pioneer 94Y70	V	4.7	5	S	PI88788	4	GR	6
Pioneer 94Y80	V	4.8	6	S	PI88788	4	GR	6
Pioneer 94Y91	V	4.9	3	Rps1k	PI88788	3	GR	6
Pioneer 95M50	V	5.5	3	S	PI88788	6	GR	6
Pioneer 95Y20	V	5.2	3	S	PI88788	5	GR	6
Pioneer 95Y40	V	5.4	4	Rps1k	PI88788	3	GR	6
Power Plus 32K0	V	3.2	5	Rps1k	PI88788	5	GR	6
Power Plus 34B9	V	3.4	4	Rps1k	PI88788	5	GR	6
Power Plus 36C0	V	3.6	4	Rps1k	PI88788	5	GR	6
Power Plus 41F9	V	4.0	4	Rps1k	PI88788	5	GR	6
Prairie Br. PB-3299NLL	BR	3.3	3	S	PI88788	4	LL	11
Prairie Br. PB-3739NRR2	BR	3.7	3	S	PI88788	4	GR	1
Prairie Br. PB-3796NRR	BR	3.7	3	S	PI88788	4	GR	11
Prairie Br. PB-3997NRR	BR	3.9	4	Rps1c	PI88788	3	GR	2,10
Prairie Br. PB-3999NLL	BR	3.9	3	S	PI88788	2	LL	11
Prairie Br. PB-4058NRRSTS	BR	4.0	4	S	PI88788	2	GR/STS	11
Prairie Br. PB-4199NRR2	BR	4.1	3	Rps1k	PI88788	4	GR	1
Progeny P3909RR	BR	3.9	NA	NA	NA	2	GR	4
Progeny P4206RR	BR	4.2	NA	S	NA	3	GR	4
Progeny P4508RR	BR	4.5	NA	NA	NA	2	GR	4
Progeny P4606RR	BR	4.6	NA	NA	NA	2	GR/STS	4
Progeny P4706RR	BR	4.7	NA	NA	NA	3	GR	4
Progeny P4807RR	BR	4.8	NA	NA	NA	2	GR	4
Progeny P4906RR	br	4.9	NA	Rps1a	NA	2	GR	4
Progeny P4908RR	BR	4.9	NA	NA	NA	3	GR	4
Progeny P4910	BR	4.9	NA	NA	NA	3	None	4
Progeny P4928LL	BR	4.9	NA	Rps1k	NA	NA	LL	4
Progeny P4949RR	BR	4.9	NA	NA	NA	3	GR	4
Progeny P5115RR	BR	5.1	NA	NA	NA	2	GR	4

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
Progeny P5218RR	BR	5.2	NA	NA	NA	2	GR	4
Progeny P5319RR	BR	5.3	NA	NA	NA	2	GR	4
Progeny P5409RR	BR	5.4	NA	NA	NA	2	GR	4
Progeny P5622RR	BR	5.6	NA	Rps1k	NA	3	GR	4
Progeny P5650RR	BR	5.6	NA	NA	NA	2	GR	4
Progeny P5770	BR	5.7	NA	NA	NA	2	None	4
Renze R3797RRcn	BR	3.7	7	S	PI88788	7	GR	6
Renze R4038SRcn	BR	4.0	8	S	PI88788	8	GR	6
Renze R4230SRcn	BR	4.2	7	S	PI88788	7	GR	6
S05-11268	V	5.2	NA	NA	Hartwig	4	None	4
S05-11482	V	5.2	NA	NA	Hartwig	4	None	4
S06-3095	V	5.2	NA	NA	Hartwig	4	GR	4
S06-3929	V	4.8	NA	NA	PI88788	4	GR	4
S06-4649	V	5.2	NA	NA	Hartwig	4	GR	4
Schillinger 458.RCS	V	4.5	NA	NA	NA	NA	GR	6
Schillinger 478.RCS	V	4.7	NA	NA	NA	NA	GR	6
Schillinger 4880.RC	V	4.8	NA	NA	NA	NA	GR	6
Schillinger 495.RC	V	4.9	NA	NA	NA	NA	GR	6
Schillinger 499.RC	V	4.9	NA	NA	NA	NA	GR	6
Schillinger 4990.RC	V	4.9	NA	NA	NA	NA	GR	6
Schillinger 5440.R	V	5.4	NA	NA	NA	NA	GR	6
Schillinger 557.RC	V	5.5	NA	NA	NA	NA	GR	6
Southern Cross Caleb	V	4.4	2	NA	PI88788	4	GR	None
Southern Cross Damascus	V	5.0	3	NA	PI88788	3	GR	None
Southern Cross Eli	V	4.7	6	S	PI88788	4	GR	None
Southern Cross Galilee	V	4.7	2	Rps1c	PI88788	4	GR	None
Southern Cross Rufus	V	4.7	2	Rps1c	PI88788	2	GR	None
SS 09L.37	BR	3.7	2	Rps1k	NA	2	LL	11
SS 09L.42	BR	4.2	2	NA	NA	2	LL	11
SS 09L.47N	BR	4.7	2	NA	NA	3	LL	11
SS 09L.49N	BR	4.9	2	Rps1k	NA	3	LL	11
SS 10L.34N	BR	3.4	2	NA	NA	2	LL	11
SS 10L.37N	BR	3.7	2	NA	NA	2	LL	11
SS 10L.39N	BR	3.9	2	NA	NA	2	LL	11
SS 10L.49N	BR	4.9	2	NA	NA	2	LL	11
SS 10L.51N	BR	5.1	2	NA	NA	2	LL	11
Stine 3923-4	V	3.9	3	Rps1k	PI88788	4	GR	None
Stine 4282-4	V	4.2	7	S	PI88788	4	GR	None
Stine 4392-4	V	4.3	7	S	PI88788	3	GR/STS	None
Stoddard	V	4.9	3	S	Hartwig	3	None	5
Stone 2346NRR	BR	3.4	3	Rps1c	PI88788	1	GR	6
Stone 3A378NRR	BR	3.7	3	Rps1c	PI88788	2	GR	6
Stone 3A388NRR	BR	3.8	3	Rps1c	PI88788	1	GR	6
Stone 3A398NRR	BR	3.9	2	Rps1c	PI88788	2	GR	6
Stone 3A449NRR/STS	BR	4.4	2	Rps1c	PI88788	2	GR/STS	6
Stone 3B408NRR	BR	4.0	3	Rps1c	PI88788	2	GR	6
Taylor Exp371-2R	BR	3.7	3	NA	PI88788	3	GR	1
Taylor Exp381-2R	BR	3.8	3	NA	PI88788	3	GR	1
Taylor Exp461-2R	BR	4.6	2	Rps1k	NA	2	GR	1
Taylor ExpD-4780	BR	4.7	2	Rps1c	PI88788	3	GR	8,10
Taylor ExpT-4850	BR	4.8	2	Rps1k	PI88788	2	GR	8,10
Terral TV47R18	BR	4.7	8	NA	NA	NA	GR	3,9
Terral TV49R17	BR	4.9	NA	NA	NA	NA	GR	3,9

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SCNS Source	SDS Rate	Herb Resis	Seed Trt
Terral TV49R19	BR	4.9	8	NA	NA	NA	GR	3,9
Terral TV54R28	BR	5.4	8	NA	NA	NA	GR	3,9
Terral TV55R15	BR	5.5	8	NA	NA	NA	GR	3,9
Terral-REV45R10	BR	4.5	NA	NA	NA	NA	GR	4
Terral-REV49R10	BR	4.9	NA	NA	NA	NA	GR	4
Terral-REV49R20	BR	4.9	NA	NA	NA	NA	GR	4
Terral-REV49R21	BR	4.9	NA	NA	NA	NA	GR	4
Trisoy 4184RR(CN)	BR	4.1	5	S	PI88788	5	GR/STS	2,8,10
Trisoy 4586RR(CN)	BR	4.5	4	S	PI88788	4	GR/STS	2,8,10
Trisoy 4760RR(CN)	BR	4.7	4	S	PI88788	3	GR/STS	2,8,10
Trisoy 4788RR(CN)	BR	4.7	4	Rps1c	PI88788	3	GR/STS	2,8,10
USG 7473nRR	BR	4.7	NA	NA	PI88788	3	GR	4,7
USG 74A88	BR	4.8	NA	Rps1a	PI88788	3	GR	4,7
USG 74A91	BR	4.9	NA	Rps1a	NA	3	GR	4,7
USG 74C36	BR	4.3	NA	NA	NA	3	GR	4,7
USG 74E88	BR	4.8	NA	Rps1c	PI88788	3	GR	4,7
USG 74F96	BR	4.9	NA	NA	PI88788	3	GR	4,7
USG 74G78	BR	4.7	NA	NA	NA	3	GR	4,7
USG 7515NRS	BR	5.1	NA	NA	PI88788	3	GR	4,7
USG 75M16	BR	5.1	NA	Rps1c	PI88788	3	GR	4,7
USG 75M49	BR	5.4	NA	NA	PI88788	3	GR	4,7
USG 75Z38	BR	5.3	NA	NA	PI88788	3	GR	4,7
V03-4660	V	4.6	NA	NA	NA	NA	None	None
V03-4705	V	4.7	NA	NA	NA	NA	None	None
Willcross 2320N	BR	3.2	2	Rps1c	PI88788	2	GR	8,11
Willcross 2330NExp	BR	3.4	2	Rps1c	PI88788	2	GR	1
Willcross 2350N	BR	3.5	2	Rps1c	NA	NA	GR	8,11
Willcross 2360NExp	BR	3.6	2	S	PI88788	2	GR	1
Willcross 2379N	BR	3.7	2	Rps1c	PI88788	2	GR	8,11
Willcross 2380NExp	BR	3.8	2	S	PI88788	2	GR	1
Willcross 2399N	BR	3.8	2	Rps1c	PI88788	2	GR/STS	8,11
Willcross 2420NExp	BR	4.2	2	Rps1k	NA	NA	GR	1
Willcross 2460NExp	BR	4.7	2	Rps1c	NA	2	GR	1
Willcross RR2397N	BR	3.9	NA	NA	PI88788	2	GR	11
Willcross RR2398N	BR	3.9	2	Rps1c	PI88788	2	GR	11
Willcross RR2440NSTS	BR	4.4	2	NA	PI88788	2	GR/STS	11
Willcross RR2470NSTS	BR	4.7	2	Rps1c	PI88788	2	GR/STS	11
Willcross RR2477NSTS	BR	4.7	2	NA	PI88788	2	GR/STS	11
Willcross RR2484N	BR	4.8	2	NA	PI88788	2	GR	11
Willcross RR2490NSTS	BR	4.9	2	Rps1c	PI88788	2	GR/STS	11
Willcross RR2498NSTS	BR	4.9	2	NA	PI88788	2	GR/STS	11
Willcross RR2507NSTS	BR	5.0	2	NA	PI88788	2	GR/STS	11
Willcross RR2544NSTS	BR	5.4	3	NA	PI88788	2	GR/STS	11
Willcross RR2547N	BR	5.4	2	NA	PI88788	2	GR	11
Willcross RR2878NSTS	BR	4.7	2	Rps1c	PI88788	2	GR/STS	11
Willcross RY5460N	BR	4.6	NA	NA	PI88788	NA	GR	11
Wooster	V	3.9	NA	NA	NA	NA	None	5

* Descriptions were provided by the companies submitting them for evaluation

NA – Information Not Available

Seed Treatment: 1= Acceleron(Pyraclostrobin, Metalaxyl); 2 = Allegiance (Metalaxyl); 3= Apron (Metalaxyl); 4 = Apron Maxx (Mefenoxam, Fludioxonil); 5= Apron XL (Mefenoxam); 6= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam; 7 = Cruiser (Thiamethoxam); 8 = Gaucho (Imidacloprid) 9= Maxim (Fludioxonil); 10 = Trilex (Trifloxystrobin, Metalaxyl); 11= Trilex 6000(Trifloxystrobin)

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, LL, STS, RRY2

Table Numbers for Varieties Entered in the 2009 Missouri Soybean Variety Tests

Variety Name	Table Numbers
Glenn	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
Jake	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
Magellan	34, 35, 36, 37, 38, 39
MPV 4238N	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39
MU Exp 3901	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
MU Exp 4010N	21, 22, 23, 24, 25, 26
Mustang	21, 22, 23, 24, 25, 26
Stoddard	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
Wooster	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
Morsoy 3919N	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
Morsoy 4426SCN	21, 22, 23, 24, 25, 26
Morsoy LL3748N	8, 9, 10, 11, 12, 13
Morsoy LL3759N	8, 9, 10, 11, 12, 13
Morsoy LL3939N	21, 22, 23, 24, 25, 26
Morsoy LL4208N	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
Morsoy LL4998N	34, 35, 36, 37, 38, 39
Morsoy RT 3328N	2, 3, 4, 5, 6, 7
Morsoy RT 3609N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Morsoy RT 3629N	2, 3, 4, 5, 6, 7
Morsoy RT 3807N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Morsoy RT 3858N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Morsoy RT 3887N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Morsoy RT 3889N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Morsoy RT 4126N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Morsoy RT 4249N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Morsoy RT 4299N	15, 16, 17, 18, 19, 20
Morsoy RT 4457N	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
Morsoy RT 4485N	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Morsoy RT 4707N	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Morsoy RT 4914N	41, 42, 43, 44, 45, 46
Morsoy RT 4919N	41, 42, 43, 44, 45, 46
Morsoy RT 5154N	28, 29, 30, 31, 32, 33
Morsoy RT 5168	41, 42, 43, 44, 45, 46
Morsoy RT 5388N	41, 42, 43, 44, 45, 46
Morsoy RT 5688N	41, 42, 43, 44, 45, 46
Morsoy RTS 4706N	41, 42, 43, 44, 45, 46
Morsoy RTS 4824	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Morsoy RTS 4955N	41, 42, 43, 44, 45, 46
NK S33-K5 Brand	15, 16, 17, 18, 19, 20
NK S34-R2 Brand	2, 3, 4, 5, 6, 7
NK S35-T9 Brand	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NK S37-F7 Brand	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NK S37-P5 Brand	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NK S39-A3 Brand	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20, 41, 42, 43, 44, 45, 46
NK S41-R6 Brand	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
NK S44-D5 Brand	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
NK S46-U6 Brand	41, 42, 43, 44, 45, 46
NK S48-C9 Brand	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
NK S49-H7 Brand	41, 42, 43, 44, 45, 46
NK S52-F2 Brand	41, 42, 43, 44, 45, 46
NK S54-M7 Brand	41, 42, 43, 44, 45, 46
NK S56-L5 Brand	41, 42, 43, 44, 45, 46

Variety Name	Table Numbers
Pioneer 93M42	2, 3, 4, 5, 6, 7
Pioneer 93M61	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Pioneer 93Y70	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Pioneer 94Y01	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Pioneer 94Y20	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Pioneer 94Y60	41, 42, 43, 44, 45, 46
Pioneer 94Y70	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Pioneer 94Y80	41, 42, 43, 44, 45, 46
Pioneer 94Y91	41, 42, 43, 44, 45, 46
Pioneer 95M50	41, 42, 43, 44, 45, 46
Pioneer 95Y20	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Pioneer 95Y40	41, 42, 43, 44, 45, 46
Asgrow DKB46-51	28, 29, 30, 31, 32, 33
Asgrow AG3039	2, 3, 4, 5, 6, 7
Asgrow AG3130	2, 3, 4, 5, 6, 7
Asgrow AG3139	2, 3, 4, 5, 6, 7
Asgrow AG3402	2, 3, 4, 5, 6, 7
Asgrow AG3430	2, 3, 4, 5, 6, 7
Asgrow AG3539	2, 3, 4, 5, 6, 7
Asgrow AG3803	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20, 41, 42, 43, 44, 45, 46
Asgrow AG4005	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Asgrow AG4303	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Asgrow AG4404	15, 16, 17, 18, 19, 20
Asgrow AG4606	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Asgrow AG4703	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Asgrow AG4903	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Asgrow AG4907	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Asgrow AG5405	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Asgrow AG5605	28, 29, 30, 31, 32, 33
Asgrow AG5606	41, 42, 43, 44, 45, 46
Asgrow RY3209	2, 3, 4, 5, 6, 7
Asgrow RY3309	2, 3, 4, 5, 6, 7
Asgrow RY3509	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Asgrow RY3709	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Lewis 360R2	2, 3, 4, 5, 6, 7
Lewis 3780	2, 3, 4, 5, 6, 7
Lewis 380R2	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Lewis 3909	15, 16, 17, 18, 19, 20
Lewis 3968	2, 3, 4, 5, 6, 7
Lewis 400R2	15, 16, 17, 18, 19, 20
Lewis 4150	15, 16, 17, 18, 19, 20
Lewis 45XR2	28, 29, 30, 31, 32, 33
Lewis 4729	28, 29, 30, 31, 32, 33
Power Plus 32K0	2, 3, 4, 5, 6, 7
Power Plus 34B9	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Power Plus 36C0	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Power Plus 41F9	15, 16, 17, 18, 19, 20
Mersch. Atlanta 1047RR2Y	41, 42, 43, 44, 45, 46
Mersch. Austin 943LL	47, 48, 49, 50, 51, 52
Mersch. Boston 1046RR2Y	41, 42, 43, 44, 45, 46
Mersch. Denver 1043RR	41, 42, 43, 44, 45, 46
Mersch. Houston 747RR	41, 42, 43, 44, 45, 46
Mersch. Memphis 943RR	41, 42, 43, 44, 45, 46
Mersch. Miami 949LL	47, 48, 49, 50, 51, 52

Variety Name	Table Numbers
Mersch. Nashville 749RR	41, 42, 43, 44, 45, 46
Mersch. Norfolk 741RR	41, 42, 43, 44, 45, 46
Mersch. Olympus 1051LL	47, 48, 49, 50, 51, 52
Mersch. Orlando 1048LL	47, 48, 49, 50, 51, 52
Mersch. Rocky RR	41, 42, 43, 44, 45, 46
Mersch. Rushmore 959RR	41, 42, 43, 44, 45, 46
Kruger K2-3401	2, 3, 4, 5, 6, 7
Kruger K2-3601	2, 3, 4, 5, 6, 7
Kruger K2-3801	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K2-3901	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K2X41A9	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K2X43A9	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K2X43B9	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K2X43C9	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K2X44A9	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K2X45A9	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K-375RR/SCN	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K-384RR/SCN	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K-428RR/SCN	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Kruger K-439RR/SCN	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Mycogen 5N370RR	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Mycogen 5N382RR	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Mycogen 5N383RR	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Mycogen 5N392RR	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Stine 3923-4	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Stine 4282-4	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Stine 4392-4	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Fontanelle 407NRRSTS	15, 16, 17, 18, 19, 20
Fontanelle 460RRSTS	28, 29, 30, 31, 32, 33
Fontanelle 478NRRSTS	28, 29, 30, 31, 32, 33
Fontanelle 78N18	2, 3, 4, 5, 6, 7
Fontanelle 80N29	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Fontanelle 9789NRR	2, 3, 4, 5, 6, 7
Fontanelle Exp441	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
G2 Genetics 6369	2, 3, 4, 5, 6, 7
G2 Genetics 7333	2, 3, 4, 5, 6, 7
G2 Genetics 7341	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
G2 Genetics 7373	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
G2 Genetics 7383	15, 16, 17, 18, 19, 20
G2 Genetics 7389	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
G2 Genetics 7401	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
G2 Genetics 7419	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
G2 Genetics 7439S	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
G2 Genetics 7479	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Channel 4A15RS Brand	2, 3, 4, 5, 6, 7
FS HiSoy HS36A90	2, 3, 4, 5, 6, 7
FS HiSoy HS38A90	2, 3, 4, 5, 6, 7
FS HiSoy HS38A92	2, 3, 4, 5, 6, 7
FS HiSoy HS38R80	2, 3, 4, 5, 6, 7
FS HiSoy HS39R70	2, 3, 4, 5, 6, 7
FS HiSoy HS41T80	2, 3, 4, 5, 6, 7
Prairie Br. PB-3299NLL	8, 9, 10, 11, 12, 13
Prairie Br. PB-3739NRR2	2, 3, 4, 5, 6, 7
Prairie Br. PB-3796NRR	2, 3, 4, 5, 6, 7

Variety Name	Table Numbers
Prairie Br. PB-3997NRR	2, 3, 4, 5, 6, 7
Prairie Br. PB-3999NLL	8, 9, 10, 11, 12, 13
Prairie Br. PB-4058NRRSTS	2, 3, 4, 5, 6, 7
Prairie Br. PB-4199NRR2	2, 3, 4, 5, 6, 7
Taylor Exp371-2R	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Taylor Exp381-2R	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Taylor Exp461-2R	28, 29, 30, 31, 32, 33
Taylor ExpD-4780	28, 29, 30, 31, 32, 33
Taylor ExpT-4850	28, 29, 30, 31, 32, 33
Stone 2346NRR	2, 3, 4, 5, 6, 7
Stone 3A378NRR	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Stone 3A388NRR	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
Stone 3A398NRR	15, 16, 17, 18, 19, 20
Stone 3A449NRR/STS	28, 29, 30, 31, 32, 33
Stone 3B408NRR	28, 29, 30, 31, 32, 33
Dairyland 4300/RR	41, 42, 43, 44, 45, 46
Dairyland 4500/RRSTS	41, 42, 43, 44, 45, 46
Dairyland 48-000/RR	41, 42, 43, 44, 45, 46
Dairyland 8474/RR	41, 42, 43, 44, 45, 46
Dairyland 8482/RR	41, 42, 43, 44, 45, 46
Dairyland 8509/RR	41, 42, 43, 44, 45, 46
Southern Cross Caleb	41, 42, 43, 44, 45, 46
Southern Cross Damascus	41, 42, 43, 44, 45, 46
Southern Cross Eli	41, 42, 43, 44, 45, 46
Southern Cross Galilee	41, 42, 43, 44, 45, 46
Southern Cross Rufus	41, 42, 43, 44, 45, 46
Emerge 348.TC	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
Emerge 388.TC	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
Emerge 389F.YC	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
Emerge 428F.HPC	8, 9, 10, 11, 12, 13
Emerge 435.TCS	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
Emerge 447.TC	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
Emerge 477.TCS	21, 22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
Schillinger 458.RCS	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Schillinger 478.RCS	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Schillinger 4880.RC	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Schillinger 495.RC	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Schillinger 499.RC	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Schillinger 4990.RC	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Schillinger 5440.R	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Schillinger 557.RC	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Hubner H35-01R2	2, 3, 4, 5, 6, 7
Hubner H366NRR	2, 3, 4, 5, 6, 7
Hubner H39-01R2	15, 16, 17, 18, 19, 20
Hubner H398NRR	15, 16, 17, 18, 19, 20
Dyna-Gro 31R54	41, 42, 43, 44, 45, 46
Dyna-Gro 32A53	41, 42, 43, 44, 45, 46
Dyna-Gro 32B57	41, 42, 43, 44, 45, 46
Dyna-Gro 32P48	41, 42, 43, 44, 45, 46
Dyna-Gro 32R46	41, 42, 43, 44, 45, 46
Dyna-Gro 32X39	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Dyna-Gro 33B52	41, 42, 43, 44, 45, 46
Dyna-Gro 33C59	41, 42, 43, 44, 45, 46

Variety Name	Table Numbers
Dyna-Gro 33X55	41, 42, 43, 44, 45, 46
Dyna-Gro 33Y45	41, 42, 43, 44, 45, 46
Dyna-Gro 35F55	41, 42, 43, 44, 45, 46
Dyna-Gro 36C44	41, 42, 43, 44, 45, 46
Dyna-Gro 36Y48	41, 42, 43, 44, 45, 46
Dyna-Gro 37P37	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Dyna-Gro 37P49	41, 42, 43, 44, 45, 46
Dyna-Gro 38C42	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
Dyna-Gro Exp 3.6	2, 3, 4, 5, 6, 7
Dyna-Gro Exp 3.8	15, 16, 17, 18, 19, 20
Dyna-Gro Exp 4.3	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
Dyna-Gro V47N9RS	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Dyna-Gro V48N7RS	41, 42, 43, 44, 45, 46
Dyna-Gro V51N7RS	41, 42, 43, 44, 45, 46
Terral TV47R18	41, 42, 43, 44, 45, 46
Terral TV49R17	41, 42, 43, 44, 45, 46
Terral TV49R19	41, 42, 43, 44, 45, 46
Terral TV54R28	41, 42, 43, 44, 45, 46
Terral TV55R15	41, 42, 43, 44, 45, 46
Terral-REV45R10	41, 42, 43, 44, 45, 46
Terral-REV49R10	41, 42, 43, 44, 45, 46
Terral-REV49R20	41, 42, 43, 44, 45, 46
Terral-REV49R21	41, 42, 43, 44, 45, 46
Willcross 2320N	2, 3, 4, 5, 6, 7
Willcross 2330NExp	2, 3, 4, 5, 6, 7
Willcross 2350N	2, 3, 4, 5, 6, 7
Willcross 2360NExp	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Willcross 2379N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Willcross 2380NExp	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Willcross 2399N	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Willcross 2420NExp	15, 16, 17, 18, 19, 20
Willcross 2460NExp	15, 16, 17, 18, 19, 20
Willcross RR2397N	28, 29, 30, 31, 32, 33
Willcross RR2398N	28, 29, 30, 31, 32, 33
Willcross RR2440NSTS	28, 29, 30, 31, 32, 33
Willcross RR2470NSTS	28, 29, 30, 31, 32, 33
Willcross RR2477NSTS	28, 29, 30, 31, 32, 33
Willcross RR2484N	28, 29, 30, 31, 32, 33
Willcross RR2490NSTS	28, 29, 30, 31, 32, 33
Willcross RR2498NSTS	28, 29, 30, 31, 32, 33
Willcross RR2507NSTS	28, 29, 30, 31, 32, 33
Willcross RR2544NSTS	28, 29, 30, 31, 32, 33
Willcross RR2547N	28, 29, 30, 31, 32, 33
Willcross RR2878NSTS	28, 29, 30, 31, 32, 33
Willcross RY5460N	28, 29, 30, 31, 32, 33
Midland 3610NRR	2, 3, 4, 5, 6, 7
Midland 3630R2	2, 3, 4, 5, 6, 7
Midland 3738NRR	15, 16, 17, 18, 19, 20
Midland 3740NR2	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Midland 3850NR2	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Midland 3920NRS	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Midland 3960NR2	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Midland 4157NRS	2, 3, 4, 5, 6, 7
Midland 4270NR2	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33

Variety Name	Table Numbers
Midland 4289NRS	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Midland 4329NRR	15, 16, 17, 18, 19, 20
Midland 4477NRR	28, 29, 30, 31, 32, 33
Midland 4580R2	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
Midland 4768NRR	28, 29, 30, 31, 32, 33
Midland 4770NRR	28, 29, 30, 31, 32, 33
Midland 4839NRS	28, 29, 30, 31, 32, 33
Delta King DK 4770	41, 42, 43, 44, 45, 46
Delta King DK4968	41, 42, 43, 44, 45, 46
Delta King DK-5363	41, 42, 43, 44, 45, 46
Delta King DKX 0461	41, 42, 43, 44, 45, 46
Delta King DKX 0462	41, 42, 43, 44, 45, 46
Hornbeck HALO 4:65	47, 48, 49, 50, 51, 52
Hornbeck HALO 4:94	47, 48, 49, 50, 51, 52
Hornbeck HALO 5:25	47, 48, 49, 50, 51, 52
Hornbeck HALO 5:65	47, 48, 49, 50, 51, 52
Hornbeck HBK C5029	47, 48, 49, 50, 51, 52
Hornbeck HBK C5528	47, 48, 49, 50, 51, 52
Hornbeck HBK R3927	41, 42, 43, 44, 45, 46
Hornbeck HBK R4527	41, 42, 43, 44, 45, 46
Hornbeck HBK R4727	41, 42, 43, 44, 45, 46
Hornbeck HBK R4729	41, 42, 43, 44, 45, 46
Hornbeck HBK R4924	41, 42, 43, 44, 45, 46
Hornbeck HBK R5226	41, 42, 43, 44, 45, 46
Hornbeck HBK R5229	41, 42, 43, 44, 45, 46
Hornbeck HBK R5425	41, 42, 43, 44, 45, 46
Hornbeck HBK R5525	41, 42, 43, 44, 45, 46
Channel 3916R Brand	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Channel 4119R Brand	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
Channel 4517R Brand	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
Channel 4817R Brand	28, 29, 30, 31, 32, 33
Channel 4820R Brand	41, 42, 43, 44, 45, 46
Renze R3797RRcn	2, 3, 4, 5, 6, 7
Renze R4038SRcn	2, 3, 4, 5, 6, 7
Renze R4230SRcn	2, 3, 4, 5, 6, 7
Delta Grow 4150RR	41, 42, 43, 44, 45, 46
Delta Grow 4470RR/STS	41, 42, 43, 44, 45, 46
Delta Grow 4770RR	41, 42, 43, 44, 45, 46
Delta Grow 4780RR	41, 42, 43, 44, 45, 46
Delta Grow 4840RR	41, 42, 43, 44, 45, 46
Delta Grow 4870RR	41, 42, 43, 44, 45, 46
Delta Grow 4970RR	41, 42, 43, 44, 45, 46
Delta Grow 4975RR	41, 42, 43, 44, 45, 46
Delta Grow 5160RR/STS	41, 42, 43, 44, 45, 46
Delta Grow 5170RR	41, 42, 43, 44, 45, 46
Delta Grow 5280RR	41, 42, 43, 44, 45, 46
Delta Grow 5300RR/STS	41, 42, 43, 44, 45, 46
Delta Grow 5450RR	41, 42, 43, 44, 45, 46
Delta Grow 5555RR	41, 42, 43, 44, 45, 46
MPG 3510nRR	2, 3, 4, 5, 6, 7
MPG 3609nRR	2, 3, 4, 5, 6, 7
MPG 415CN	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
MPG 4209nRR/STS	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
MPG 4310nRR/STS	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20

Variety Name	Table Numbers
MPG 4406nRR	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
MPG 4509nRR/STS	15, 16, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33
MPG 4810RR	41, 42, 43, 44, 45, 46
MPG 4909nRR	41, 42, 43, 44, 45, 46
MPG 5308nRR	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
MPG 5407nRR	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
MPG 5505nRR/STS	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
MPG X-38-1	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
MPG X-45-1	21, 22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
MPG X-49-1nRR	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
SS 09L.37	8, 9, 10, 11, 12, 13
SS 09L.42	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
SS 09L.47N	21, 22, 23, 24, 25, 26, 34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
SS 09L.49N	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
SS 10L.34N	8, 9, 10, 11, 12, 13
SS 10L.37N	8, 9, 10, 11, 12, 13
SS 10L.39N	8, 9, 10, 11, 12, 13, 21, 22, 23, 24, 25, 26
SS 10L.49N	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
SS 10L.51N	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
USG 7473nRR	41, 42, 43, 44, 45, 46
USG 74A88	41, 42, 43, 44, 45, 46
USG 74A91	41, 42, 43, 44, 45, 46
USG 74C36	41, 42, 43, 44, 45, 46
USG 74E88	41, 42, 43, 44, 45, 46
USG 74F96	41, 42, 43, 44, 45, 46
USG 74G78	41, 42, 43, 44, 45, 46
USG 7515NRS	41, 42, 43, 44, 45, 46
USG 75M16	41, 42, 43, 44, 45, 46
USG 75M49	41, 42, 43, 44, 45, 46
USG 75Z38	41, 42, 43, 44, 45, 46
Excel 8560NNRR	41, 42, 43, 44, 45, 46
Armor 42-M1	41, 42, 43, 44, 45, 46
Armor 44-K6	41, 42, 43, 44, 45, 46
Armor 46-N6	41, 42, 43, 44, 45, 46
Armor 47-F8	41, 42, 43, 44, 45, 46
Armor 47-G10	41, 42, 43, 44, 45, 46
Armor 47-R33	41, 42, 43, 44, 45, 46
Armor 48-J3	41, 42, 43, 44, 45, 46
Armor 53-Z5	41, 42, 43, 44, 45, 46
Armor 55-A5	41, 42, 43, 44, 45, 46
Armor ARX 0431	41, 42, 43, 44, 45, 46
Armor ARX 0432	41, 42, 43, 44, 45, 46
Armor ARX 0472	41, 42, 43, 44, 45, 46
Armor ARX 0474	41, 42, 43, 44, 45, 46
Delta King DK 4560	41, 42, 43, 44, 45, 46
Delta King GP-533	41, 42, 43, 44, 45, 46
Progeny P3909RR	41, 42, 43, 44, 45, 46
Progeny P4206RR	41, 42, 43, 44, 45, 46
Progeny P4508RR	41, 42, 43, 44, 45, 46
Progeny P4606RR	41, 42, 43, 44, 45, 46
Progeny P4706RR	41, 42, 43, 44, 45, 46
Progeny P4807RR	41, 42, 43, 44, 45, 46
Progeny P4906RR	41, 42, 43, 44, 45, 46
Progeny P4908RR	41, 42, 43, 44, 45, 46

Variety Name	Table Numbers
Progeny P4910	47, 48, 49, 50, 51, 52
Progeny P4928LL	47, 48, 49, 50, 51, 52
Progeny P4949RR	41, 42, 43, 44, 45, 46
Progeny P5115RR	41, 42, 43, 44, 45, 46
Progeny P5218RR	41, 42, 43, 44, 45, 46
Progeny P5319RR	41, 42, 43, 44, 45, 46
Progeny P5409RR	41, 42, 43, 44, 45, 46
Progeny P5622RR	41, 42, 43, 44, 45, 46
Progeny P5650RR	41, 42, 43, 44, 45, 46
Progeny P5770	47, 48, 49, 50, 51, 52
NuTech 3349L	8, 9, 10, 11, 12, 13
NuTech 3369L	8, 9, 10, 11, 12, 13
NuTech 3378L	8, 9, 10, 11, 12, 13
NuTech 3399L	8, 9, 10, 11, 12, 13
NuTech 3418L	8, 9, 10, 11, 12, 13
NuTech 3909 SRN	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NuTech 4242RN	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NuTech 7349	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NuTech 7369S	2, 3, 4, 5, 6, 7
NuTech 7379	2, 3, 4, 5, 6, 7
NuTech 7386	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NuTech 7399	2, 3, 4, 5, 6, 7
NuTech 7417	2, 3, 4, 5, 6, 7
NuTech 7425S	2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19, 20
NuTech 7475	15, 16, 17, 18, 19, 20
NuTech 7479	15, 16, 17, 18, 19, 20
Trisoy 4184RR(CN)	41, 42, 43, 44, 45, 46
Trisoy 4586RR(CN)	41, 42, 43, 44, 45, 46
Trisoy 4760RR(CN)	41, 42, 43, 44, 45, 46
Trisoy 4788RR(CN)	41, 42, 43, 44, 45, 46
V03-4660	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
V03-4705	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
S05-11268	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
S05-11482	34, 35, 36, 37, 38, 39, 47, 48, 49, 50, 51, 52
S06-3095	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
S06-3929	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
S06-4649	28, 29, 30, 31, 32, 33, 41, 42, 43, 44, 45, 46
AR ROO-1194F	47, 48, 49, 50, 51, 52
Osage	47, 48, 49, 50, 51, 52

Sources for Varieties Entered in the 2009 Missouri Soybean Tests

Brand	Company and Address	Phone	Company Web Site
AGSouth Genetics	AGSouth Genetics, PO Box 72246, Albany, GA 31708	229-881-7455	agsouthgenetics.com
Armor	Cullum Seed LLC, PO Box 178, Fisher, AR 72429	870-579-2286	cullumseeds.com
Asgrow	Monsanto Seed Co., 800 N Lindbergh Blvd., St. Louis, MO 63167	815-754-4809	monsanto.com
Asoyia	Asoyia LLC, 2730 Naples Ave, SW, Ste 104, Iowa City, IA 52240	319-339-4645	asoyia.com
Channel	Channel, 1551 Hwy 210, Huxley, IA 50124	515-597-5903	channelbio.com
Dairyland	Dairyland Seed Co., PO Box 958, West Bend, WI 53095	800-236-0163	dairylandseed.com
Dekalb	Monsanto, 800 N Lindbergh Blvd, St. Louis, MO 63167	815-754-4809	monsanto.com
Delta Grow	Delta Grow Seed Co., PO Box 219, 220 NW 2nd, England, AR 72046	501-842-2572	deltagrow.com
Delta King	Cullum Seed LLC, PO Box 178, Fisher, AR 72429	870-579-2286	cullumseeds.com
Dyna-Gro	Crop Prod. Services, 57 Germantown Ct, Ste 200, Cordova, TN 38018	901-277-3261	uap.com
Dyna-Gro	Crop Production Services, 17410 Pike 291, Bowling Green, MO 63334	573-470-1499	uap.com
Dyna-Gro	Dyna-Gro Seed, 1506 W Wall, Harrisonville, MO 64701	308-627-4439	dyna-groseed.com
Eagle Seed	Eagle Seed Co., PO Box 308, Weiner, AR 72479	870-684-7377	eagleseed.com
Excel Brand	Excel Brand Seed, 116 E State St, Camp Point, IL 62320	309-341-6333	
Fontanelle	Fontanelle Hybrids, 1955 E Military Ave, Fremont, NE 68025	402-721-1410	fontanelle.com
G2 Genetics	G2 Genetics, 36131 Hwy 69, Forest City, IA 50436	641-581-3350	nutechseed.com
Gateway	Gateway Seed Co., 5517 Van Buren Rd, Nashville, IL 62263	618-327-8000	gatewayseeds.com
Growmark	Growmark Inc, 1701 Towanda Ave, Bloomington, IL 61701	309-557-6399	fsseed.com
Hornbeck	Hornbeck Seed Co. Inc., Box 472, 210 Drier Rd, DeWitt, AR 72042	870-946-2087	hbseed.com
Hubner	Hubner Seed, 10280 W SR 28, West Lebanon, IN 47991	765-893-4428	hubnerseed.com
Kruger	Kruger Seed Co., Hwy 20 E, Box A, Dike, IA 50624	800-772-2721	krugerseed.com
Lewis	Lewis Hybrids, Inc., 530 W. Maple St, Ursa, IL 62376	217-964-2131	lewishybrids.com
Merschman	Merschman Seeds, 103 Ave D, PO Box 67, West Point, IA 52656	319-837-6111	merschmanseeds.com
Midland	Midland Genetics, 1906 Kingman Rd, Ottawa, KS 66067	785-242-3598	midlandgenetics.com
Midwest	Midwest Seed Genetics, PO Box 518, Carroll, IA 51401	800-369-8218	midwestseed.com
MO Crop Improvement	MO Crop Improvement Assn, 3211 Lemone Industrial Blvd, Columbia, MO 65201	573-449-0586	moseed.org

Brand	Company and Address	Phone	Company Web Site
Morsoy	MFA Inc, 201 Ray Young Dr, Columbia, MO 65201	573-876-5363	morsoy.com
Morsoy	Cache River Valley Seed, 12470 Hwy 226, Cash, AR 72421	870-477-5427	crvseed.com
MPride/MPV	Midwest Premium Genetics, 523 S Main, Box 688, Concordia, MO 64020	660-463-7333	m-pride.com
Mycogen	Mycogen Seeds, 9330 Zionsville Rd, Indianapolis, IN 46268	573-228-2358	mycogenseeds.com
NK Brand	Syngenta / NK Brand, 7500 Olsen Memorial Hwy, Golden Valley, MN 55427	318-396-7037	syngenta.com
NuTech Seed	NuTech Seed, 36131 Hwy 69, Forest City, IA 50436	641-567-3350	nutechseed.com
Pioneer	Pioneer Hi-Bred International, 8850 NW 62nd, PO Box 7000, Johnston, IA 50131	515-270-3939	pioneer.com
Pioneer	Pioneer Hi-Bred International, 700 Blvd. S., Ste 302, Huntsville, AL 35802	800-331-2475	pioneer.com
Power Plus	Power Plus, 826 Arenzville Rd, Arenzville, IL 62611	217-997-5571	burrusseed.com
Prairie Brand	Prairie Brand Seed, 15 X Avenue, Story City, IA 50248	515-733-2101	prairiebrandseed.com
Progeny	Progeny Ag Products, 1529 Hwy 193 S, Wynne, AR 72396	870-238-2079	progenyag.com
Renze	Renze Seeds, 27410 Kittyhawk Ave, Carroll, IA 51401	800-634-2676	renzeseeds.com
Schillinger Seed	Schillinger Seed, 4200 Corporate Dr, Ste 106, West Des Moines, IA 50266	515-225-1166	schillingerseed.com
Southern Cross	Miles Seed, PO Box 22879, Owensboro, KY 42304	888-786-4537	milesnmore.com
Stine	Stine Seed Co, 2225 Laredo Trail, Adel, IA 50003	314-394-0222	stineseed.com
Stone Seed	Stone Seed Group, 5965 W State Route 97, Pleasant Plains, IL 62677	217-546-8006	stoneseed.com
Taylor	Taylor Seed Farms, 2467 Hwy 7, White Cloud, KS 66094	785-595-3236	taylorseedfarms.com
Terral	Terral Seed, PO Box 826, Lake Providence, LA 71254	318-559-2840	terralseed.com
Trisler Seed	Trisler Seeds, 3274 E 800 North Rd, Fairmount, IL 61841	217-288-9301	trisler.com
UniSouth	UniSouth Genetics, 2640-C Nolensville Rd, Nashville, TN 37211	800-505-3133	usgseed.com
University of Missouri	UMC Soybean Breeding, 107 Waters Hall, Columbia, MO 65211	573-882-0198	
University of Missouri	University of MO - Delta Ctr, 147 State Hwy T, Portageville, MO 63873	573-379-5431	
Virginia Tech	Virginia Tech, 509 Latham Hall 0404, Blacksburg, VA 24061	840-231-6496	
Willcross	Neco Seed Farms, PO Box 379, Garden City, MO 64747	816-862-8203	willcross.com
Willcross	Willcross Seed, 4564 Hwy 169, King City, MO 64463	800-411-5957	willcross.com