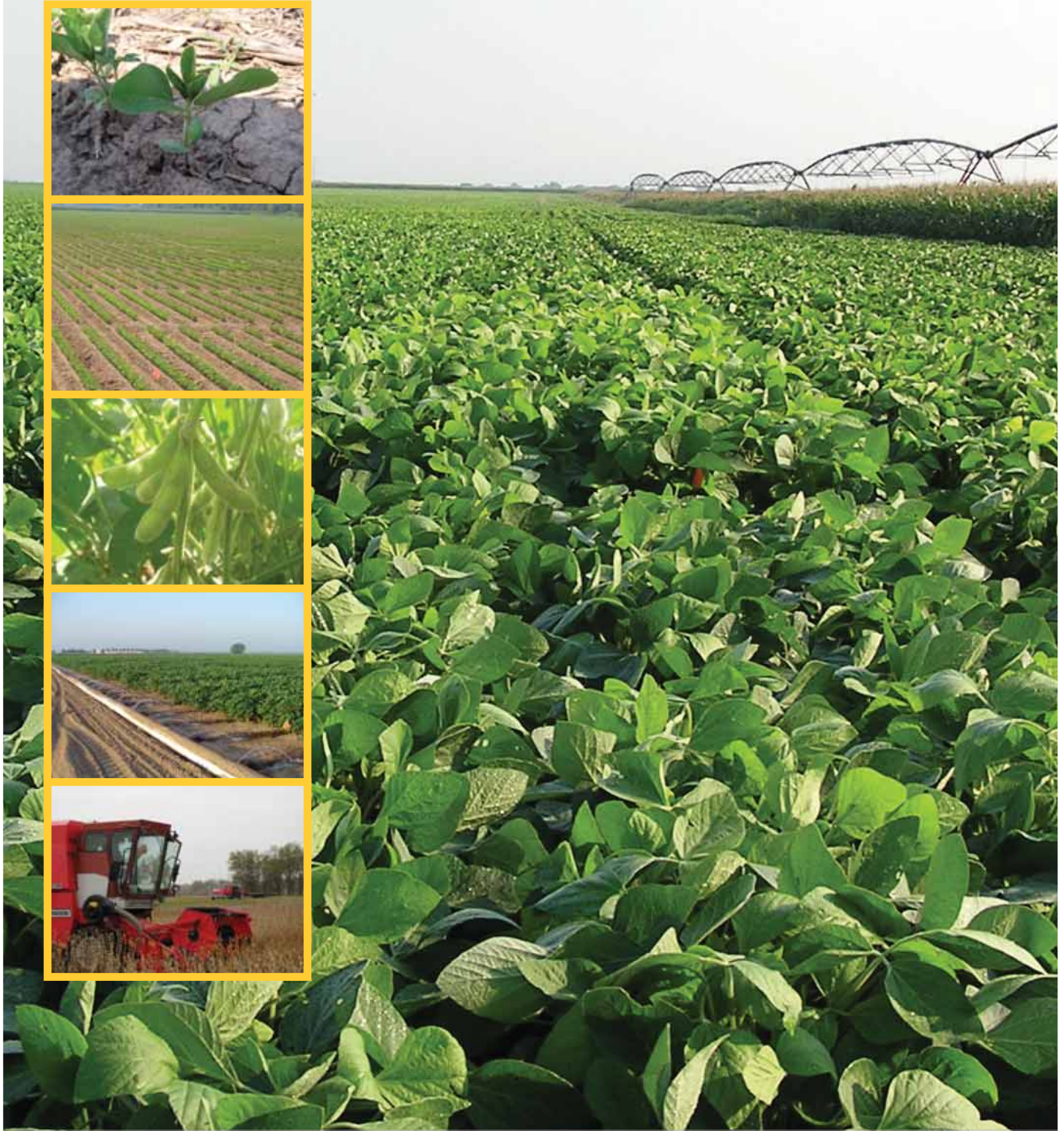


# Soybean

2008 Missouri Crop Performance



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Agriculture Experiment Station - College of Agriculture, Food & Natural Resources - University of Missouri  
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## Missouri 2008 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 382 in 2008. 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.

### The Authors

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### Acknowledgments

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## Experimental Procedures for Soybean Tests

### Test Descriptions:

**Glyphosate Resistant Soybean Test:** This test includes glyphosate resistant varieties and receives a postemergence 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 tofu, natto, food grade, isoflavone, high oil, fatty acid profile, and high protein. Three high yield check varieties were included in these tests for comparison.

**Entries:** All producers of soybean varieties were eligible to enter the 2008 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 WeatherMax 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. Maturity data are recorded when approximately 75 percent of the pods have turned color. Lodging and height are determined immediately before harvest. A scale of 1 to 5 is used to score lodging. Interpretation of the scale is as follows: 1 = all plants erect, 3 = all plants leaning moderately or 20% to 50% down, 5 = all plants down.

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

All soybean locations were tested for the presence of SCN eggs in the soil 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 2008 crop performance tests are also available online at: [varietytesting.missouri.edu](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 four rows of each plot were harvested for the 15 inch row spacing test and both rows of each plot were harvested for the 30-inch row spacing to determine yield.

**Locations:** On the basis of geographical characteristics, the state was divided into regions. Glyphosate Resistant and Non-Glyphosate Resistant/Special Traits soybean varieties were evaluated at twenty test sites in nineteen 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

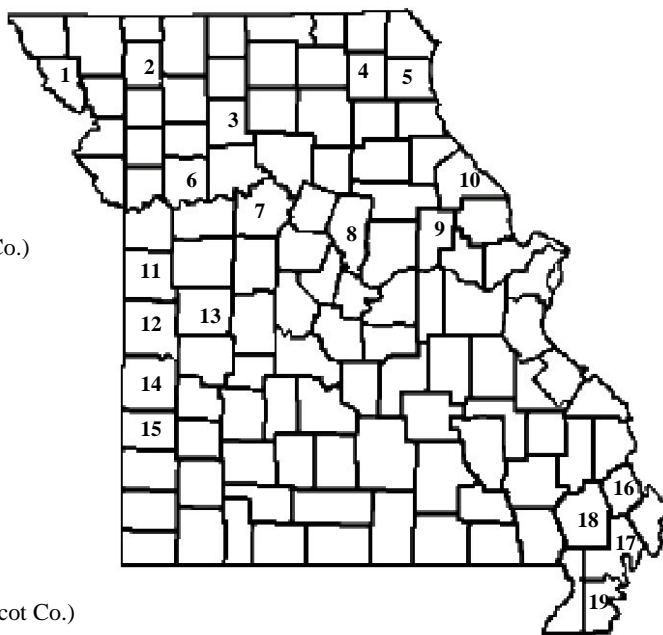
6. John Williams farm, Henrietta (Ray Co.)
7. Ryland and Fred Utlaut farm, Grand Pass (Saline Co.)
8. Bradford Research and Extension Center, Columbia (Boone Co.)
9. Roy Cope farm, Truxton (Montgomery Co.)
10. Bob Burkemper farm, Annada (Pike Co.)

#### 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.

Soybean yields at 4 of the five locations were good this year, even though rainfall was far above normal for most of the North Region. The LaGrange site was abandoned after it was flooded when the levee on the Mississippi River there was topped in mid-June and stayed under water for several weeks. Yield information for the Non-Glyphosate Resistant / Special Traits Test at Novelty was not reported due to extreme variability across the test. Heavy rains after planting reduced stands in that portion of the field.

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 = 69.6 degrees, equal to normal

Average precipitation = 30.2”, 8.9” above normal

Table 1. North Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide	
			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre	Post
<i>Glyphosate Resistant Soybean Tests</i>								
Craig	06-04	10-31	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority	Roundup WeatherMax
Albany	05-29	10-30	0	40	60	Minimum	Dual II Magnum, FirstRate, Authority	Roundup WeatherMax
Mooresville	06-02	11-04, 11-05	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Novelty	05-29	10-28	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
LaGrange	05-06	Flooded	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Craig	06-04	10-31	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority	
Albany	05-29	10-30	0	40	60	Minimum	Dual II Magnum, FirstRate, Authority	
Mooresville	06-02	11-05	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Select
Novelty	05-29	10-28	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Select
LaGrange	05-15	Flooded	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	

**TABLE 2. Glyphosate Resistant Soybean Test**

North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silt Clay Soil Test: pH=7.6, OM=1.5%, P=72, K=1066

Cyst Nematode Population at Planting: 465 Eggs/100cc of Soil

Rainfall: May=5.1, June=6.5, July=1.4, Aug.=0.8, Sept.=6.7 Total=20.5 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Prairie Brand PB-3997NRR	4	10-01	38	1	53.4**	59.2	56.3
G2 Genetics 7341	4	9-24	36	1	51.0*	--	--
Pioneer 93Y70	4	10-02	40	1	50.8*	--	--
NK S39-A3 Brand	4	10-02	30	1	50.7*	59.4	55.1
G2 Genetics 7383	4	10-01	43	1	50.1*	--	--
Morsoy RT 3738N	4	10-01	35	1	49.8*	--	--
Mersch. Eisenhower 937RR	1, 7, 11	9-30	35	1	49.5*	--	--
Lewis 3968	1, 7	10-01	37	1	49.4*	59.3	54.4
NK S37-P5 Brand	4	10-01	29	1	49.4*	59.4	54.4
MPG 3609nRR	7	10-01	27	1	49.3*	--	--
MPG 3808nRR	7	10-01	32	1	49.3*	57.3	53.3
Prairie Brand PB-3858NRRS	4	9-30	32	1	48.7	--	--
Morsoy RT 3807N	4	9-30	33	1	48.5	58.3	53.4
Morsoy RT 3777N	4	9-30	38	1	48.2	--	--
Dyna-Gro 32X39	3	10-01	35	1	47.9	--	--
NuTech NT-7353	4	10-02	29	1	47.8	56.8	52.3
NuTech NT-7386	4	9-29	33	1	47.7	--	--
Crow's C3916R	Untreated	10-03	34	1	47.7	52.8	50.3
G2 Genetics 7391	4	10-02	38	1	47.6	--	--
NuTech NT-7399	4	10-02	39	1	47.3	59.1	53.2
Prairie Brand PB-3796NRR	4	10-01	37	1	47.2	56.1	51.7
NuTech NT-7354	4	9-25	31	1	47.2	--	--
Fontanelle 9789 NRR	Untreated	9-24	34	1	47.1	--	--
Mersch. Madison 938RR	1, 7, 11	10-01	34	1	47.1	--	--
Taylor 398RRS	5, 7	9-29	36	1	47.0	56.2	51.6
Fontanelle 9680 NRR	Untreated	9-30	33	1	46.8	--	--
Morsoy RT 3858N	4	9-29	28	1	46.8	--	--
Mersch. Grant 935RR	1, 7, 11	9-26	34	1	46.6	--	--
Dyna-Gro 35G38	3	10-01	34	1	46.5	--	--
Stone 3A368NRR	4	9-28	35	1	46.4	--	--
Renze R3788RRcn	4	10-01	36	1	46.1	51.5	48.8
Kruger K-384RR/SCN	None	10-02	35	1	45.9	58.8	52.4
NK S37-F7 Brand	4	10-01	37	1	45.8	61.4*	53.6
Pioneer 93M61	4	9-26	33	1	45.7	61.2*	53.5
Asgrow AG3705	2	9-30	32	1	45.7	57.3	51.5
Asgrow AG3803	2	10-01	38	1	45.5	53.2	49.4
NK S35-T9 Brand	4	10-01	41	1	45.5	--	--
Fontanelle 9772	Untreated	9-30	35	1	45.3	--	--
MPG 3908nRR/STS	7	10-03	34	1	45.1	59.1	52.1
G2 Genetics 7333	4	9-24	38	1	45.1	--	--
Morsoy RT 3887N	4	9-30	34	1	45.1	54.2	49.7
Prairie Brand PB-3894NRRS	4	9-30	34	1	45.0	--	--
Renze R3599RRcn	4	9-23	27	1	44.8	--	--
Dyna-Gro SXO8831	3	9-22	32	1	44.8	--	--
Midwest Seed Gen. GR3934	Untreated	10-02	28	1	44.7	58.2	51.5

TABLE 2. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Kruger K-382RR/SCN	None	10-03	34	1	44.4	56.9	50.7
MUExp-39662	2	10-05	33	1	44.4	--	--
Mersch. Kennedy 836RR	1, 7, 11	9-30	30	1	44.4	50.7	47.6
Morsoy RT 3936N	4	9-30	37	1	44.3	56.9	50.6
NC+ 3A86RS	Untreated	9-29	30	1	44.2	--	--
Morsoy RT 3508N	4	9-23	37	1	44.2	--	--
Stone 2346NRR	4	9-24	34	1	44.2	56.3	50.3
Asgrow AG3905	2	10-04	36	1	44.0	57.8	50.9
Midland MG 3738NRR	7	9-30	32	1	43.8	--	--
NK S34-R2 Brand	4	9-26	36	1	43.8	--	--
Lewis 3909	1, 7	10-02	36	1	43.7	--	--
Asgrow AG3402	2	9-22	36	1	43.6	--	--
Morsoy RT 3804N	4	9-30	32	1	43.5	57.5	50.5
Asgrow AG3603	2	9-29	38	1	43.5	53.5	48.5
Midland MG 3919NRR	7	10-03	34	1	43.2	--	--
Midland MG 9A385NRS	7	10-01	32	1	43.0	52.3	47.7
Prairie Brand PB-3637NRR	4	9-29	37	1	42.9	61.8*	52.4
Kruger K-389RR/SCN	None	10-01	33	1	42.4	52.5	47.5
NuTech NT-3909+ RR/SCN	4	10-01	34	1	42.1	54.0	48.1
Prairie Brand PB-3598NRR	4	9-26	32	1	41.9	--	--
Kruger K-329RR/SCN	None	9-22	33	1	41.6	--	--
Lewis 3599	1, 7	9-29	28	1	41.4	--	--
Kruger K-333RR/SCN	None	9-27	31	1	41.3	65.5**	53.4
Asgrow AG3504	2	9-23	36	1	41.2	54.5	47.9
Dyna-Gro SXO8734STS/RR	3	9-25	34	1	41.1	--	--
Kruger K-348RR/SCN	None	9-26	33	1	40.5	53.2	46.9
Midland MG 3439NRR	7	9-25	32	1	39.9	--	--
Taylor 353RR	5, 7	10-01	36	1	39.8	57.5	48.7
Dyna-Gro 38R33	3	9-24	34	1	39.5	--	--
Kruger K-372RR/SCN	None	10-02	32	1	39.2	--	--
NuTech NT-3888 RR/SCN	4	9-30	34	1	39.1	56.5	47.8
Dyna-Gro 35F37	3	9-30	24	1	39.1	--	--
Stine 3602-4	Untreated	10-02	29	1	38.9	--	--
Kruger K-363RR/SCN	None	9-29	29	1	38.7	55.7	47.2
Kruger K-341RR/SCN	None	9-25	34	1	38.6	--	--
Dyna-Gro 38B31	3	9-25	30	1	37.5	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-29</b>	<b>34</b>	<b>1</b>	<b>45.0</b>	<b>55.6</b>	<b>50.3</b>
<b>L.S.D. AT .10</b>					<b>4.5</b>	<b>5.1</b>	
<b>C.V. %</b>					<b>6.9</b>	<b>6.4</b>	

**MATURITY GROUP 4**

MPG 4209nRR	7	10-02	28	1	43.8**	--	--
NuTech NT-7417	4	10-02	29	1	43.5	58.3*	50.9
NuTech NT-4242 RR/SCN	4	10-03	30	1	42.5	62.0**	52.3
Asgrow AG4005	2	10-03	29	1	42.4	--	--
Midland MG 4157NRS	7	10-06	27	1	41.9	--	--
Prairie Brand PB-4157NRRS	4	10-03	35	1	41.2	56.1	48.7
NuTech NT-7438	4	10-05	27	1	40.8	59.5*	50.2
NC+ 4A15RS	Untreated	10-02	31	1	40.6	--	--
Mersch. Norfolk 741RR	1, 7, 11	10-03	26	1	40.2	59.6*	49.9
Prairie Brand PB-4058NRRS	4	10-02	30	1	40.2	--	--



TABLE 2. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Crow's C4119R	Untreated	10-01	26	1	39.9	--	--
NuTech NT-7406	4	10-03	31	1	39.5	60.7*	50.1
Mersch. Memphis 943RR	1, 7, 11	10-04	26	1	39.5	--	--
Kruger K-410RR/SCN	None	10-02	32	1	39.4	55.3	47.4
Kruger K-417RR/SCN	None	10-02	32	1	39.3	--	--
Kruger K-433RR/SCN	None	10-05	30	1	39.1	51.8	45.5
Mersch. Phoenix 940RR	1, 7, 11	10-03	30	1	38.8	--	--
G2 Genetics 7471	4	10-04	30	1	38.6	--	--
Lewis 4009	1, 7	10-01	26	1	38.1	--	--
Stine 4020-4	Untreated	10-03	27	1	38.0	60.1*	49.1
G2 Genetics 7401	4	10-01	35	1	37.9	--	--
Dyna-Gro 36C44	3	10-05	26	1	37.9	--	--
Pioneer 94Y01	4	9-29	31	1	37.6	--	--
Midwest Seed Gen. GR4133	Untreated	10-02	27	1	37.6	--	--
Kruger K-439RR/SCN	None	9-28	25	1	37.2	--	--
Dyna-Gro 32R46	3	10-08	26	1	36.8	--	--
Morsoy RT 4057N	4	9-30	29	1	36.7	--	--
Kruger K-428RR/SCN	None	9-30	28	1	36.4	--	--
NuTech NT-7475	4	10-06	27	1	36.2	--	--
Dyna-Gro 33Y45	3	10-05	28	1	36.2	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-05	27	1	35.9	--	--
Prairie Brand PB-4298NRRS	4	10-04	27	1	35.5	--	--
Fontanelle 407	Untreated	10-02	30	1	34.4	--	--
MUExp-43770	2	10-01	34	1	33.9	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-03</b>	<b>29</b>	<b>1</b>	<b>38.8</b>	<b>56.3</b>	<b>47.6</b>
<b>L.S.D. AT .10</b>					<b>NS</b>	<b>4.5</b>	
<b>C.V. %</b>					<b>10.4</b>	<b>5.3</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 3. Glyphosate Resistant Soybean Test**

North Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.6, OM=3.4%, P=214, K=766

Cyst Nematode Population at Planting: 399 Eggs/100cc of Soil

Rainfall: May=3.7, June=9.2, July=1.6, Aug.=1.1, Sept.=7.5 Total=23.1 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
NK S37-P5 Brand	4	9-29	32	1	48.9**	62.3*	55.6
NuTech NT-7386	4	9-29	30	1	47.4*	--	--
NK S39-A3 Brand	4	9-30	31	1	47.2*	60.3	53.8
Taylor 398RRS	5, 7	10-02	34	1	47.1*	60.2	53.7
Renze R3788RRcn	4	9-29	33	1	47.1*	55.6	51.4
Mersch. Kennedy 836RR	1, 7, 11	10-02	37	1	47.0*	57.4	52.2
Morsoy RT 3858N	4	9-30	31	1	46.7*	--	--
G2 Genetics 7333	4	9-29	38	1	46.5*	--	--
G2 Genetics 7341	4	9-27	30	1	46.4*	--	--
MPG 3609nRR	7	10-01	32	1	46.4*	--	--
Pioneer 93Y70	4	10-02	35	1	46.1*	--	--
NK S34-R2 Brand	4	9-26	32	1	45.9*	--	--
Mersch. Eisenhower 937RR	1, 7, 11	9-30	28	1	45.7*	--	--
NuTech NT-7399	4	10-02	34	1	45.7*	57.1	51.4
NuTech NT-7353	4	10-01	34	1	45.5*	59.7	52.6
Asgrow AG3705	2	9-30	34	1	45.2*	58.4	51.8
NuTech NT-7354	4	9-27	31	1	45.2*	--	--
Morsoy RT 3777N	4	10-01	38	1	44.5*	--	--
Crow's C3916R	Untreated	10-01	31	1	44.4	58.8	51.6
Prairie Brand PB-3858NRRS	4	10-01	28	1	44.3	--	--
Morsoy RT 3887N	4	10-03	32	1	44.3	57.1	50.7
Morsoy RT 3807N	4	10-01	33	1	44.1	64.5**	54.3
Taylor 353RR	5, 7	10-01	31	1	44.0	60.2	52.1
NK S35-T9 Brand	4	9-30	40	1	44.0	--	--
Kruger K-382RR/SCN	None	10-01	28	1	43.7	58.3	51.0
Prairie Brand PB-3997NRR	4	9-30	29	1	43.7	57.6	50.7
Morsoy RT 3738N	4	9-29	34	1	43.6	--	--
Prairie Brand PB-3796NRR	4	10-02	32	1	43.6	54.4	49.0
Morsoy RT 3804N	4	10-01	30	1	43.5	57.9	50.7
Lewis 3909	1, 7	9-30	26	1	43.4	--	--
Prairie Brand PB-3637NRR	4	9-30	29	1	43.1	60.2	51.7
Kruger K-372RR/SCN	None	10-02	28	1	43.0	--	--
Mersch. Grant 935RR	1, 7, 11	9-27	31	1	43.0	--	--
NuTech NT-3909+ RR/SCN	4	9-29	30	1	43.0	55.9	49.5
Midwest Seed Gen. GR3934	Untreated	10-03	31	1	42.9	57.1	50.0
Midland MG 9A385NRS	7	10-01	30	1	42.6	58.5	50.6
G2 Genetics 7391	4	10-01	37	1	42.6	--	--
NC+ 3A86RS	Untreated	9-30	24	1	42.6	--	--
Mersch. Madison 938RR	1, 7, 11	10-01	28	1	42.5	--	--
Kruger K-384RR/SCN	None	10-01	28	1	42.3	60.9*	51.6
Dyna-Gro 35G38	3	10-01	31	1	42.3	--	--
Fontanelle 9789 NRR	Untreated	9-23	36	1	42.3	--	--
Midland MG 3738NRR	7	9-28	34	1	42.3	--	--
Dyna-Gro 32X39	3	10-01	33	1	42.1	--	--
Stone 3A368NRR	4	9-30	30	1	41.9	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
NK S37-F7 Brand	4	9-30	30	1	41.9	58.9	50.4
Stine 3602-4	Untreated	10-01	30	1	41.8	--	--
Renze R3599RRcn	4	9-22	28	1	41.8	--	--
Asgrow AG3803	2	10-01	34	1	41.7	61.2*	51.5
Prairie Brand PB-3894NRRS	4	9-30	24	1	41.3	--	--
Pioneer 93M61	4	9-27	31	1	41.3	57.1	49.2
Lewis 3968	1, 7	9-28	30	1	41.2	58.2	49.7
NuTech NT-3888 RR/SCN	4	9-29	32	1	41.1	56.7	48.9
Morsoy RT 3936N	4	10-01	38	1	40.9	59.0	50.0
Dyna-Gro 35F37	3	9-28	27	1	40.7	--	--
MUExp-39662	2	10-05	36	1	40.6	--	--
G2 Genetics 7383	4	9-30	34	1	40.6	--	--
Dyna-Gro 38R33	3	9-24	30	1	40.5	--	--
Fontanelle 9680 NRR	Untreated	9-29	25	1	40.5	--	--
MPG 3808nRR	7	9-28	26	1	40.4	56.5	48.5
MPG 3908nRR/STS	7	10-04	34	1	40.3	56.9	48.6
Prairie Brand PB-3598NRR	4	9-24	30	1	40.0	--	--
Kruger K-329RR/SCN	None	9-20	25	1	39.9	--	--
Asgrow AG3402	2	9-27	37	1	39.4	--	--
Asgrow AG3504	2	9-27	34	1	39.3	58.7	49.0
Fontanelle 9772	Untreated	9-28	33	1	39.2	--	--
Morsoy RT 3508N	4	9-27	31	1	39.1	--	--
Dyna-Gro 38B31	3	9-23	29	1	39.0	--	--
Stone 2346NRR	4	9-24	30	1	38.9	53.8	46.4
Asgrow AG3905	2	10-04	35	1	38.9	53.6	46.3
Kruger K-341RR/SCN	None	9-27	31	1	38.7	--	--
Kruger K-389RR/SCN	None	9-30	27	1	38.7	59.6	49.2
Midland MG 3919NRR	7	10-01	28	1	38.5	--	--
Lewis 3599	1, 7	9-28	31	1	38.2	--	--
Midland MG 3439NRR	7	9-24	33	1	37.5	--	--
Dyna-Gro SXO8831	3	9-20	29	1	37.2	--	--
Kruger K-333RR/SCN	None	9-23	29	1	36.8	58.8	47.8
Kruger K-348RR/SCN	None	9-22	28	1	36.8	53.8	45.3
Dyna-Gro SXO8734STS/RR	3	9-28	29	1	36.5	--	--
Kruger K-363RR/SCN	None	9-30	28	1	36.1	62.8*	49.5
Asgrow AG3603	2	9-27	27	1	35.7	55.0	45.4
<b>GROUP 3 AVERAGE</b>		<b>9-29</b>	<b>31</b>	<b>1</b>	<b>42.2</b>	<b>57.1</b>	<b>49.7</b>
<b>L.S.D. AT .10</b>					<b>4.4</b>	<b>4.1</b>	
<b>C.V. %</b>					<b>7.4</b>	<b>5.0</b>	

**MATURITY GROUP 4**

Morsoy RT 4057N	4	10-05	29	1	47.7**	--	--
NuTech NT-7417	4	10-04	29	1	47.1*	55.7*	51.4
Prairie Brand PB-4058NRRS	4	10-08	39	1	45.9*	--	--
Asgrow AG4005	2	10-07	36	1	45.9*	--	--
Pioneer 94Y01	4	10-03	32	1	45.8*	--	--
MPG 4209nRR	7	10-06	28	1	45.6*	--	--
Prairie Brand PB-4157NRRS	4	10-06	31	1	45.5*	57.1*	51.3
NuTech NT-7475	4	10-12	30	1	45.0*	--	--
NuTech NT-4242 RR/SCN	4	10-07	31	1	44.9*	56.5*	50.7
NuTech NT-7438	4	10-09	30	1	44.5*	58.5*	51.5

TABLE 3. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
G2 Genetics 7471	4	10-07	31	1	44.4*	--	--
NuTech NT-7406	4	10-08	38	1	44.1	57.3*	50.7
Prairie Brand PB-4298NRRS	4	10-07	29	1	43.9	--	--
NC+ 4A15RS	Untreated	10-04	32	1	43.9	--	--
G2 Genetics 7401	4	10-05	34	1	43.6	--	--
Mersch. Norfolk 741RR	1, 7, 11	10-05	32	1	43.5	56.8*	50.2
Mersch. Memphis 943RR	1, 7, 11	10-05	36	1	43.2	--	--
Midwest Seed Gen. GR4133	Untreated	10-05	30	1	43.0	--	--
Kruger K-433RR/SCN	None	10-10	33	1	42.9	53.2	48.1
Kruger K-417RR/SCN	None	10-05	30	1	42.7	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-07	29	1	42.1	--	--
Crow's C4119R	Untreated	10-04	28	1	42.1	--	--
Fontanelle 407	Untreated	10-06	34	1	41.8	--	--
Midland MG 4157NRS	7	10-10	30	1	41.5	--	--
Dyna-Gro 33Y45	3	10-10	34	1	41.4	--	--
Dyna-Gro 32R46	3	10-10	34	1	41.0	--	--
Dyna-Gro 36C44	3	10-06	27	1	40.8	--	--
Stine 4020-4	Untreated	10-04	30	1	40.8	54.5	47.7
Kruger K-410RR/SCN	None	10-07	32	1	40.7	58.3*	49.5
Kruger K-428RR/SCN	None	10-03	33	1	39.7	--	--
Mersch. Phoenix 940RR	1, 7, 11	10-05	28	1	38.7	--	--
Lewis 4009	1, 7	10-04	28	1	38.7	--	--
Kruger K-439RR/SCN	None	10-02	30	1	36.9	--	--
MUExp-43770	2	10-06	33	1	36.6	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-06</b>	<b>31</b>	<b>1</b>	<b>42.8</b>	<b>54.9</b>	<b>48.9</b>
<b>L.S.D. AT .10</b>					<b>3.6</b>	<b>3.1</b>	
<b>C.V. %</b>					<b>5.7</b>	<b>3.7</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 4. Glyphosate Resistant Soybean Test**

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.0, OM=2.6%, P=28, K=466

Cyst Nematode Population at Planting: 332 Eggs/100cc of Soil

Rainfall: May=5.0, June=8.3, July=6.6, Aug.=2.2, Sept.=9.4 Total=31.4 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
-----bu/acre-----							
<b>MATURITY GROUP 3</b>							
Dyna-Gro 35F37	3	9-26	36	1	53.7**	--	--
NK S39-A3 Brand	4	9-30	41	2	52.5*	39.6	46.1
Morsoy RT 3887N	4	10-01	44	2	52.3*	46.5*	49.4
NK S37-F7 Brand	4	9-30	43	1	52.3*	42.8	47.6
G2 Genetics 7391	4	10-01	40	3	52.2*	--	--
Taylor 353RR	5, 7	10-02	41	1	51.8*	31.7	41.8
NK S37-P5 Brand	4	9-28	42	1	51.7*	38.8	45.3
Midwest Seed Gen. GR3934	Untreated	10-03	39	1	51.5*	44.9*	48.2
NuTech NT-7399	4	10-04	43	1	51.5*	44.4*	48.0
NuTech NT-3888 RR/SCN	4	9-29	38	1	51.2*	42.0	46.6
Dyna-Gro 32X39	3	9-30	37	1	51.2*	--	--
Pioneer 93M61	4	9-24	41	2	51.1*	44.3*	47.7
Kruger K-384RR/SCN	None	10-03	42	1	50.2*	47.3*	48.8
NK S35-T9 Brand	4	9-25	42	3	49.9*	--	--
Taylor 398RRS	5, 7	10-02	41	1	49.8*	45.5*	47.7
Stine 3602-4	Untreated	9-30	42	2	49.7*	--	--
NuTech NT-7353	4	9-27	43	1	49.6*	43.9*	46.8
Asgrow AG3402	2	9-25	45	2	49.6*	--	--
Stone 2346NRR	4	9-26	38	2	49.5*	43.9*	46.7
NuTech NT-3909+ RR/SCN	4	10-01	42	2	49.3*	47.4*	48.4
MPG 3908nRR/STS	7	9-29	40	1	49.0*	40.9	45.0
Mersch. Kennedy 836RR	1, 7, 11	10-02	45	1	48.8*	43.2	46.0
Midland MG 3738NRR	7	9-28	41	2	48.6*	--	--
G2 Genetics 7333	4	9-25	47	3	48.6*	--	--
Lewis 3968	1, 7	10-01	36	1	48.2*	43.4	45.8
Midland MG 9A385NRS	7	9-26	36	1	48.1*	45.8*	47.0
Morsoy RT 3858N	4	10-01	44	2	48.1*	--	--
NuTech NT-7386	4	9-30	40	1	48.0*	--	--
Asgrow AG3803	2	9-28	46	2	47.9*	46.5*	47.2
Asgrow AG3905	2	10-03	41	1	47.8*	42.4	45.1
Dyna-Gro SXO8831	3	9-21	40	2	47.8*	--	--
NC+ 3A86RS	Untreated	10-01	39	1	47.6*	--	--
Crow's C3916R	Untreated	10-03	41	1	47.4*	47.3*	47.4
G2 Genetics 7341	4	9-23	42	2	47.3*	--	--
Prairie Brand PB-3997NRR	4	10-01	42	1	47.3*	43.6	45.5
Asgrow AG3504	2	9-26	44	2	46.6	39.6	43.1
MPG 3609nRR	7	9-27	40	1	46.6	--	--
Morsoy RT 3936N	4	10-02	46	1	46.5	47.1*	46.8
Prairie Brand PB-3894NRRS	4	9-25	39	2	46.3	--	--
Kruger K-329RR/SCN	None	9-20	38	1	46.3	--	--
Morsoy RT 3777N	4	9-27	46	3	46.3	--	--
Lewis 3599	1, 7	9-26	35	1	46.2	--	--
Fontanelle 9789 NRR	Untreated	9-25	44	2	45.9	--	--
Renze R3788RRcn	4	9-27	45	1	45.8	40.0	42.9
NK S34-R2 Brand	4	9-27	46	2	45.5	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Dyna-Gro 38R33	3	9-24	40	1	45.1	--	--
Dyna-Gro SXO8734STS/RR	3	9-25	37	2	45.1	--	--
Prairie Brand PB-3796NRR	4	9-27	41	1	44.9	46.1*	45.5
Morsoy RT 3807N	4	9-24	40	1	44.9	47.6*	46.3
Dyna-Gro 35G38	3	9-25	42	2	44.7	--	--
Asgrow AG3603	2	9-28	39	1	44.3	42.6	43.5
Fontanelle 9772	Untreated	9-25	40	1	44.3	--	--
Kruger K-389RR/SCN	None	9-28	39	1	44.2	47.4*	45.8
MPG 3808nRR	7	10-01	40	2	44.2	44.0*	44.1
Mersch. Madison 938RR	1, 7, 11	10-02	44	3	44.1	--	--
Pioneer 93Y70	4	9-24	46	1	44.0	--	--
Morsoy RT 3804N	4	9-26	38	3	44.0	47.6*	45.8
Lewis 3909	1, 7	10-01	39	1	43.9	--	--
Prairie Brand PB-3598NRR	4	9-21	38	2	43.7	--	--
Mersch. Grant 935RR	1, 7, 11	9-24	42	1	43.7	--	--
Kruger K-363RR/SCN	None	9-30	38	1	43.3	43.2	43.3
Kruger K-372RR/SCN	None	9-28	36	1	43.2	--	--
Mersch. Eisenhower 937RR	1, 7, 11	9-22	37	1	43.0	--	--
Kruger K-348RR/SCN	None	9-25	35	1	42.5	43.2	42.9
Midland MG 3919NRR	7	10-02	46	2	42.3	--	--
Morsoy RT 3738N	4	9-20	39	2	42.3	--	--
Asgrow AG3705	2	9-30	38	3	41.8	45.8*	43.8
Fontanelle 9680 NRR	Untreated	9-25	39	1	41.8	--	--
MUExp-39662	2	10-02	36	1	41.4	--	--
G2 Genetics 7383	4	9-22	45	3	41.3	--	--
Kruger K-341RR/SCN	None	9-20	34	1	41.3	--	--
Dyna-Gro 38B31	3	9-20	35	2	41.2	--	--
Renze R3599RRcn	4	9-20	38	1	41.2	--	--
Stone 3A368NRR	4	9-21	38	1	40.0	--	--
Prairie Brand PB-3858NRRS	4	9-21	41	2	39.9	--	--
Kruger K-382RR/SCN	None	9-21	41	2	39.4	41.3	40.4
Kruger K-333RR/SCN	None	9-24	37	1	39.2	42.8	41.0
NuTech NT-7354	4	9-22	39	2	39.0	--	--
Prairie Brand PB-3637NRR	4	9-26	40	1	38.8	44.5*	41.7
Morsoy RT 3508N	4	9-20	40	1	38.2	--	--
Midland MG 3439NRR	7	9-23	44	2	36.6	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-27</b>	<b>41</b>	<b>2</b>	<b>46.0</b>	<b>41.5</b>	<b>43.8</b>
<b>L.S.D. AT .10</b>					<b>6.8</b>	<b>4.7</b>	
<b>C.V. %</b>					<b>11.0</b>	<b>7.9</b>	

**MATURITY GROUP 4**

NuTech NT-7438	4	10-04	38	1	55.0**	43.1*	49.1
G2 Genetics 7471	4	10-08	40	1	54.3*	--	--
NuTech NT-7417	4	10-02	36	1	54.2*	41.9*	48.1
Asgrow AG4005	2	10-03	43	1	54.1*	--	--
NuTech NT-4242 RR/SCN	4	10-04	41	1	53.7*	42.8*	48.3
Pioneer 94Y01	4	10-02	44	1	53.4*	--	--
Dyna-Gro 36C44	3	10-10	37	1	53.3*	--	--
Prairie Brand PB-4298NRRS	4	10-03	38	1	53.3*	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-06	40	1	53.0*	--	--
Kruger K-410RR/SCN	None	10-03	38	1	52.8*	39.6	46.2

TABLE 4. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	
Fontanelle 407	Untreated	10-05	42	1	52.4*	--	--
NuTech NT-7406	4	10-05	43	1	52.2*	43.2*	47.7
G2 Genetics 7401	4	10-02	43	1	52.0*	--	--
Lewis 4009	1, 7	10-01	37	1	52.0*	--	--
Prairie Brand PB-4058NRRS	4	10-02	40	1	51.4*	--	--
Dyna-Gro 32R46	3	10-09	37	1	51.4*	--	--
Kruger K-417RR/SCN	None	10-04	38	1	51.1*	--	--
Midland MG 4157NRS	7	10-06	43	1	50.8*	--	--
MPG 4209nRR	7	10-02	41	1	49.9*	--	--
NuTech NT-7475	4	10-05	40	1	49.8*	--	--
Crow's C4119R	Untreated	10-02	40	1	49.6*	--	--
Midwest Seed Gen. GR4133	Untreated	10-04	39	1	49.4*	--	--
NC+ 4A15RS	Untreated	10-02	38	1	49.2*	--	--
Mersch. Memphis 943RR	1, 7, 11	10-05	36	1	48.7*	--	--
Kruger K-433RR/SCN	None	10-11	46	1	48.5	44.2*	46.4
Mersch. Norfolk 741RR	1, 7, 11	10-03	36	1	47.8	43.6*	45.7
Morsoy RT 4057N	4	10-02	41	1	46.6	--	--
Stine 4020-4	Untreated	10-03	36	1	46.5	43.6*	45.1
Prairie Brand PB-4157NRRS	4	10-03	43	1	45.5	44.7*	45.1
Kruger K-428RR/SCN	None	9-30	39	1	43.6	--	--
Dyna-Gro 33Y45	3	10-05	37	1	43.2	--	--
Kruger K-439RR/SCN	None	9-30	33	1	42.7	--	--
Mersch. Phoenix 940RR	1, 7, 11	10-04	35	1	41.5	--	--
MUExp-43770	2	10-02	44	1	40.9	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-04</b>	<b>39</b>	<b>1</b>	<b>49.8</b>	<b>41.6</b>	<b>45.7</b>
<b>L.S.D. AT .10</b>					<b>6.3</b>	<b>5.0</b>	
<b>C.V. %</b>					<b>9.4</b>	<b>8.0</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid); 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 5. Glyphosate Resistant Soybean Test**

North Region: Novelty, MO (Knox County)

Soil Type: Putnam Silt Loam Soil Test: pH=5.6, OM=2.4, P=40, K=244

Cyst Nematode Population at Planting: 197 Eggs/100cc of Soil

Rainfall: May=4.4, June=10.1, July=10.7, Aug.=4.2, Sept.=7.9 Total=37.3

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
							-----bu/acre-----
<b>MATURITY GROUP 3</b>							
Dyna-Gro SXO8734STS/RR	3	9-30	28	2	61.6**	--	--
Prairie Brand PB-3796NRR	4	10-01	27	2	60.8*	56.5	58.7
NuTech NT-3888 RR/SCN	4	10-02	34	2	60.5*	64.0	62.3
Crow's C3916R	Untreated	10-03	29	2	60.2*	60.7	60.5
NK S34-R2 Brand	4	9-29	30	2	60.2*	--	--
Taylor 353RR	5, 7	9-30	35	2	59.1*	55.1	57.1
Midwest Seed Gen. GR3934	Untreated	10-05	27	1	58.7*	59.0	58.9
NK S35-T9 Brand	4	9-26	36	2	58.6*	--	--
Asgrow AG3803	2	10-04	35	2	58.3*	66.1*	62.2
Dyna-Gro 35G38	3	9-29	35	2	58.0*	--	--
Stone 3A368NRR	4	10-03	34	2	57.7*	--	--
Morsoy RT 3807N	4	10-02	38	2	57.3*	68.9*	63.1
NK S37-F7 Brand	4	9-28	32	2	57.1*	59.8	58.5
NuTech NT-7386	4	10-02	39	3	56.7*	--	--
Mersch. Eisenhower 937RR	1, 7, 11	10-04	31	2	56.5*	--	--
NK S39-A3 Brand	4	10-02	31	2	56.4*	64.7	60.6
Prairie Brand PB-3637NRR	4	10-01	34	2	56.3*	61.5	58.9
Asgrow AG3705	2	10-02	32	2	56.1*	67.8*	62.0
G2 Genetics 7333	4	9-27	35	2	55.8*	--	--
Morsoy RT 3887N	4	10-01	32	2	55.7*	67.3*	61.5
NC+ 3A86RS	Untreated	9-30	36	3	55.4*	--	--
NK S37-P5 Brand	4	10-02	34	2	55.4*	63.4	59.4
Prairie Brand PB-3858NRRS	4	10-01	33	2	55.3*	--	--
G2 Genetics 7341	4	9-27	28	1	55.3*	--	--
Lewis 3909	1, 7	10-01	26	2	55.1	--	--
Kruger K-384RR/SCN	None	10-03	32	2	54.8	69.7**	62.3
Stine 3602-4	Untreated	10-04	31	2	54.7	--	--
Pioneer 93M61	4	9-25	29	2	54.6	59.9	57.3
Kruger K-382RR/SCN	None	10-03	34	2	54.5	62.8	58.7
Pioneer 93Y70	4	9-28	32	2	54.3	--	--
G2 Genetics 7391	4	10-02	40	3	54.3	--	--
Morsoy RT 3858N	4	9-28	33	1	54.2	--	--
MPG 3908nRR/STS	7	10-05	33	2	53.9	63.4	58.7
NuTech NT-7353	4	9-30	36	2	53.9	69.6*	61.8
NuTech NT-7354	4	9-26	31	1	53.7	--	--
Morsoy RT 3738N	4	10-01	34	1	53.4	--	--
Kruger K-363RR/SCN	None	10-02	30	2	53.3	62.6	58.0
Fontanelle 9680 NRR	Untreated	10-03	18	2	52.9	--	--
Taylor 398RRS	5, 7	10-02	35	2	52.6	66.0*	59.3
Midland MG 3738NRR	7	10-01	32	2	52.5	--	--
NuTech NT-3909+ RR/SCN	4	10-03	35	3	52.4	66.7*	59.6
Mersch. Madison 938RR	1, 7, 11	10-01	32	1	52.3	--	--
Kruger K-333RR/SCN	None	9-24	29	2	52.3	65.3*	58.8
MPG 3808nRR	7	10-03	34	2	52.2	65.3*	58.8
NuTech NT-7399	4	10-01	31	3	52.1	61.2	56.7



TABLE 5. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Renze R3599RRcn	4	9-26	34	2	52.1	--	--
Mersch. Kennedy 836RR	1, 7, 11	10-02	36	2	51.9	58.2	55.1
Prairie Brand PB-3894NRRS	4	10-02	34	2	51.8	--	--
Dyna-Gro 32X39	3	9-30	32	1	51.8	--	--
Mersch. Grant 935RR	1, 7, 11	9-27	29	2	51.8	--	--
Dyna-Gro 38B31	3	9-25	26	1	51.2	--	--
Fontanelle 9789 NRR	Untreated	9-28	33	3	50.9	--	--
MPG 3609nRR	7	10-01	34	2	50.6	--	--
Asgrow AG3504	2	9-28	35	2	50.6	65.9*	58.3
Morsoy RT 3804N	4	10-04	27	2	50.5	60.5	55.5
G2 Genetics 7383	4	10-01	35	3	50.4	--	--
Lewis 3968	1, 7	10-01	35	2	49.9	63.9	56.9
Prairie Brand PB-3997NRR	4	9-28	29	2	49.8	62.8	56.3
Dyna-Gro SXO8831	3	9-25	31	2	49.5	--	--
Asgrow AG3402	2	9-27	33	2	49.4	--	--
Kruger K-372RR/SCN	None	10-04	28	2	49.4	--	--
Stone 2346NRR	4	9-26	32	1	49.4	63.8	56.6
Midland MG 9A385NRS	7	10-02	30	2	49.2	57.9	53.6
Morsoy RT 3936N	4	10-02	30	2	49.1	66.1*	57.6
Renze R3788RRcn	4	10-01	31	2	49.1	51.5	50.3
Midland MG 3439NRR	7	9-26	26	2	49.1	--	--
Midland MG 3919NRR	7	10-06	30	1	48.8	--	--
Morsoy RT 3508N	4	9-27	34	2	48.5	--	--
Morsoy RT 3777N	4	10-02	34	2	48.5	--	--
Prairie Brand PB-3598NRR	4	9-27	29	2	48.5	--	--
Asgrow AG3905	2	10-02	32	2	48.1	62.9	55.5
Kruger K-389RR/SCN	None	10-04	32	2	46.4	60.9	53.7
MUExp-39662	2	10-03	24	2	46.1	--	--
Dyna-Gro 38R33	3	9-30	31	1	46.1	--	--
Asgrow AG3603	2	9-28	30	2	46.0	66.3*	56.2
Kruger K-329RR/SCN	None	9-26	27	1	45.4	--	--
Kruger K-341RR/SCN	None	9-28	26	2	45.2	--	--
Dyna-Gro 35F37	3	10-01	30	2	44.2	--	--
Lewis 3599	1, 7	9-26	27	2	44.1	--	--
Kruger K-348RR/SCN	None	9-28	31	1	43.0	59.7	51.4
Fontanelle 9772	Untreated	9-27	27	1	42.0	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-30</b>	<b>32</b>	<b>2</b>	<b>52.5</b>	<b>59.6</b>	<b>56.1</b>
<b>L.S.D. AT .10</b>					<b>6.3</b>	<b>4.9</b>	
<b>C.V. %</b>					<b>8.8</b>	<b>5.8</b>	

**MATURITY GROUP 4**

Fontanelle 407	Untreated	10-05	36	2	61.0**	--	--
MPG 4209nRR	7	10-06	36	2	60.6*	--	--
Asgrow AG4005	2	10-02	35	2	60.1*	--	--
Kruger K-417RR/SCN	None	10-05	35	2	59.1*	--	--
Crow's C4119R	Untreated	10-05	35	2	58.9*	--	--
Kruger K-410RR/SCN	None	10-05	37	2	58.6*	60.2*	59.4
Prairie Brand PB-4058NRRS	4	10-03	35	2	58.2*	--	--
Dyna-Gro 32R46	3	10-10	35	2	57.7*	--	--
NuTech NT-7417	4	10-03	36	2	57.4*	60.7*	59.1
NuTech NT-7475	4	10-11	33	1	57.0*	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
Mersch. Norfolk 741RR	1, 7, 11	10-09	32	2	55.8*	55.9	55.9
G2 Genetics 7401	4	10-07	38	2	55.7*	--	--
Prairie Brand PB-4157NRRS	4	10-07	34	2	55.4*	60.6*	58.0
NuTech NT-4242 RR/SCN	4	10-06	36	2	55.3*	62.2*	58.8
Midland MG 4157NRS	7	10-08	36	2	54.7*	--	--
Midwest Seed Gen. GR4133	Untreated	10-07	36	2	53.6*	--	--
NuTech NT-7438	4	10-08	30	2	53.5	57.7	55.6
Kruger K-428RR/SCN	None	9-30	33	2	53.3	--	--
Lewis 4009	1, 7	10-04	33	2	52.9	--	--
NuTech NT-7406	4	10-06	35	2	52.9	61.5*	57.2
Mersch. Memphis 943RR	1, 7, 11	10-05	34	2	52.8	--	--
Pioneer 94Y01	4	10-04	36	3	52.4	--	--
NC+ 4A15RS	Untreated	10-05	34	2	51.7	--	--
G2 Genetics 7471	4	10-11	34	3	51.1	--	--
Prairie Brand PB-4298NRRS	4	10-05	35	2	49.7	--	--
Dyna-Gro 36C44	3	10-09	35	2	49.0	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-06	35	2	48.4	--	--
Dyna-Gro 33Y45	3	10-07	34	2	47.0	--	--
Kruger K-439RR/SCN	None	10-02	35	2	45.6	--	--
Kruger K-433RR/SCN	None	10-10	33	3	43.9	56.4	50.2
MUExp-43770	2	10-05	40	2	41.5	--	--
Morsoy RT 4057N	4	10-02	34	2	41.3	--	--
Stine 4020-4	Untreated	10-07	33	2	40.5	58.4	49.5
Mersch. Phoenix 940RR	1, 7, 11	10-02	35	2	32.8	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-06</b>	<b>35</b>	<b>2</b>	<b>52.3</b>	<b>57.9</b>	<b>55.1</b>
<b>L.S.D. AT .10</b>					<b>7.4</b>	<b>4.2</b>	
<b>C.V. %</b>					<b>10.4</b>	<b>4.9</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

TABLE 6. Performance Summary for Glyphosate Resistant Varieties evaluated at Four North Missouri locations (Craig, Albany, Mooresville, Novelty) during 2008.

Craig  
 Planted: 6-4  
 Harvested: 10-31  
 Growing Season Rainfall: 20.5 in.  
 Irrigation:

Albany  
 Planted: 05-29  
 Harvested: 10-30  
 Growing Season Rainfall: 23.1 in.  
 Irrigation:

Mooresville  
 Planted: 6-2  
 Harvested: 11-4, 5  
 Growing Season Rainfall: 31.4 in.  
 Irrigation:

Novelty  
 Planted: 5-29  
 Harvested: 10-28  
 Growing Season Rainfall: 37.3  
 Irrigation:

Brand-Variety	Yield (Bu/Acre)				
	Craig	Albany	Mooresville	Novelty	Mean
<b>MATURITY GROUP 3</b>					
NK S39-A3 Brand	50.7*	47.2*	52.5*	56.4*	51.7**
NK S37-P5 Brand	49.4*	48.9**	51.7*	55.4*	51.4*
G2 Genetics 7341	51.0*	46.4*	47.3*	55.3*	50.0*
NuTech NT-7386	47.7	47.4*	48.0*	56.7*	50.0*
Crow's C3916R	47.7	44.4	47.4*	60.2*	49.9*
NK S35-T9 Brand	45.5	44.0	49.9*	58.6*	49.5*
Midwest Seed Gen. GR3934	44.7	42.9	51.5*	58.7*	49.4*
Morsoy RT 3887N	45.1	44.3	52.3*	55.7*	49.3*
NK S37-F7 Brand	45.8	41.9	52.3*	57.1*	49.3*
NuTech NT-7353	47.8	45.5*	49.6*	53.9	49.2*
G2 Genetics 7391	47.6	42.6	52.2*	54.3	49.2*
NuTech NT-7399	47.3	45.7*	51.5*	52.1	49.1*
Prairie Brand PB-3796NRR	47.2	43.6	44.9	60.8*	49.1*
Taylor 398RRS	47.0	47.1*	49.8*	52.6	49.1*
G2 Genetics 7333	45.1	46.5*	48.6*	55.8*	49.0*
Morsoy RT 3858N	46.8	46.7*	48.1*	54.2	48.9*
NK S34-R2 Brand	43.8	45.9*	45.5	60.2*	48.8*
Pioneer 93Y70	50.8*	46.1*	44.0	54.3	48.8*
Morsoy RT 3807N	48.5	44.1	44.9	57.3*	48.7
Mersch. Eisenhower 937RR	49.5*	45.7*	43.0	56.5*	48.7
Taylor 353RR	39.8	44.0	51.8*	59.1*	48.7
Prairie Brand PB-3997NRR	53.4**	43.7	47.3*	49.8	48.6
Asgrow AG3803	45.5	41.7	47.9*	58.3*	48.4
Kruger K-384RR/SCN	45.9	42.3	50.2*	54.8	48.3
Dyna-Gro 32X39	47.9	42.1	51.2*	51.8	48.2
MPG 3609nRR	49.3*	46.4*	46.6	50.6	48.2
Pioneer 93M61	45.7	41.3	51.1*	54.6	48.2
Mersch. Kennedy 836RR	44.4	47.0*	48.8*	51.9	48.0
NuTech NT-3888 RR/SCN	39.1	41.1	51.2*	60.5*	48.0
Dyna-Gro 35G38	46.5	42.3	44.7	58.0*	47.9
NC+ 3A86RS	44.2	42.6	47.6*	55.4*	47.4
Morsoy RT 3738N	49.8*	43.6	42.3	53.4	47.3
Asgrow AG3705	45.7	45.2*	41.8	56.1*	47.2
Lewis 3968	49.4*	41.2	48.2*	49.9	47.2
MPG 3908nRR/STS	45.1	40.3	49.0*	53.9	47.1
Prairie Brand PB-3858NRRS	48.7	44.3	39.9	55.3*	47.0
Renze R3788RRcn	46.1	47.1*	45.8	49.1	47.0
Morsoy RT 3777N	48.2	44.5*	46.3	48.5	46.9
Midland MG 3738NRR	43.8	42.3	48.6*	52.5	46.8
NuTech NT-3909+ RR/SCN	42.1	43.0	49.3*	52.4	46.7

Table 6. Continued.

Brand-Variety	Yield (Bu/Acre)				
	Craig	Albany	Mooreville	Novelty	Mean
Fontanelle 9789 NRR	47.1	42.3	45.9	50.9	46.6
MPG 3808nRR	49.3*	40.4	44.2	52.2	46.5
Lewis 3909	43.7	43.4	43.9	55.1	46.5
Stone 3A368NRR	46.4	41.9	40.0	57.7*	46.5
Mersch. Madison 938RR	47.1	42.5	44.1	52.3	46.5
NuTech NT-7354	47.2	45.2*	39.0	53.7	46.3
Stine 3602-4	38.9	41.8	49.7*	54.7	46.3
Mersch. Grant 935RR	46.6	43.0	43.7	51.8	46.3
Prairie Brand PB-3894NRRS	45.0	41.3	46.3	51.8	46.1
Dyna-Gro SXO8734STS/RR	41.1	36.5	45.1	61.6**	46.1
Midland MG 9A385NRS	43.0	42.6	48.1*	49.2	45.7
G2 Genetics 7383	50.1*	40.6	41.3	50.4	45.6
Stone 2346NRR	44.2	38.9	49.5*	49.4	45.5
Kruger K-382RR/SCN	44.4	43.7	39.4	54.5	45.5
Asgrow AG3402	43.6	39.4	49.6*	49.4	45.5
Fontanelle 9680 NRR	46.8	40.5	41.8	52.9	45.5
Morsoy RT 3804N	43.5	43.5	44.0	50.5	45.4
Prairie Brand PB-3637NRR	42.9	43.1	38.8	56.3*	45.3
Morsoy RT 3936N	44.3	40.9	46.5	49.1	45.2
Renze R3599RRcn	44.8	41.8	41.2	52.1	45.0
Dyna-Gro SXO8831	44.8	37.2	47.8*	49.5	44.8
Asgrow AG3905	44.0	38.9	47.8*	48.1	44.7
Dyna-Gro 35F37	39.1	40.7	53.7**	44.2	44.4
Asgrow AG3504	41.2	39.3	46.6	50.6	44.4
Kruger K-372RR/SCN	39.2	43.0	43.2	49.4	43.7
Prairie Brand PB-3598NRR	41.9	40.0	43.7	48.5	43.5
Kruger K-329RR/SCN	41.6	39.9	46.3	45.4	43.3
Midland MG 3919NRR	43.2	38.5	42.3	48.8	43.2
MUExp-39662	44.4	40.6	41.4	46.1	43.1
Kruger K-389RR/SCN	42.4	38.7	44.2	46.4	42.9
Kruger K-363RR/SCN	38.7	36.1	43.3	53.3	42.8
Dyna-Gro 38R33	39.5	40.5	45.1	46.1	42.8
Fontanelle 9772	45.3	39.2	44.3	42.0	42.7
Morsoy RT 3508N	44.2	39.1	38.2	48.5	42.5
Lewis 3599	41.4	38.2	46.2	44.1	42.5
Kruger K-333RR/SCN	41.3	36.8	39.2	52.3	42.4
Asgrow AG3603	43.5	35.7	44.3	46.0	42.4
Dyna-Gro 38B31	37.5	39.0	41.2	51.2	42.2
Kruger K-341RR/SCN	38.6	38.7	41.3	45.2	40.9
Midland MG 3439NRR	39.9	37.5	36.6	49.1	40.8
Kruger K-348RR/SCN	40.5	36.8	42.5	43.0	40.7
<b>GROUP 3 AVERAGE</b>	<b>45.0</b>	<b>42.2</b>	<b>46.0</b>	<b>52.5</b>	<b>46.4</b>
<b>L.S.D. AT .10</b>	<b>4.5</b>	<b>4.4</b>	<b>6.8</b>	<b>6.3</b>	<b>2.8</b>
<b>C.V. %</b>	<b>6.9</b>	<b>7.4</b>	<b>11.0</b>	<b>8.8</b>	<b>8.5</b>

**MATURITY GROUP 4**

Asgrow AG4005	42.4	45.9*	54.1*	60.1*	50.6**
NuTech NT-7417	43.5	47.1*	54.2*	57.4*	50.6**
MPG 4209nRR	43.8**	45.6*	49.9*	60.6*	50.0*
NuTech NT-4242 RR/SCN	42.5	44.9*	53.7*	55.3*	49.1*

Table 6. Continued.

Brand-Variety	Yield (Bu/Acre)				
	Craig	Albany	Mooresville	Novelty	Mean
Prairie Brand PB-4058NRRS	40.2	45.9*	51.4*	58.2*	48.9*
NuTech NT-7438	40.8	44.5*	55.0**	53.5	48.4*
Kruger K-417RR/SCN	39.3	42.7	51.1*	59.1*	48.0*
Kruger K-410RR/SCN	39.4	40.7	52.8*	58.6*	47.9*
Crow's C4119R	39.9	42.1	49.6*	58.9*	47.6*
Fontanelle 407	34.4	41.8	52.4*	61.0**	47.4
Pioneer 94Y01	37.6	45.8*	53.4*	52.4	47.3
G2 Genetics 7401	37.9	43.6	52.0*	55.7*	47.3
Midland MG 4157NRS	41.9	41.5	50.8*	54.7*	47.2
NuTech NT-7406	39.5	44.1	52.2*	52.9	47.2
G2 Genetics 7471	38.6	44.4*	54.3*	51.1	47.1
NuTech NT-7475	36.2	45.0*	49.8*	57.0*	47.0
Prairie Brand PB-4157NRRS	41.2	45.5*	45.5	55.4*	46.9
Mersch. Norfolk 741RR	40.2	43.5	47.8	55.8*	46.8
Dyna-Gro 32R46	36.8	41.0	51.4*	57.7*	46.7
NC+ 4A15RS	40.6	43.9	49.2*	51.7	46.4
Mersch. Memphis 943RR	39.5	43.2	48.7*	52.8	46.0
Midwest Seed Gen. GR4133	37.6	43.0	49.4*	53.6*	45.9
Prairie Brand PB-4298NRRS	35.5	43.9	53.3*	49.7	45.6
Lewis 4009	38.1	38.7	52.0*	52.9	45.4
Dyna-Gro 36C44	37.9	40.8	53.3*	49.0	45.2
Mersch. Santa Fe 945RR	35.9	42.1	53.0*	48.4	44.8
Kruger K-433RR/SCN	39.1	42.9	48.5	43.9	43.6
Kruger K-428RR/SCN	36.4	39.7	43.6	53.3	43.2
Morsoy RT 4057N	36.7	47.7**	46.6	41.3	43.1
Dyna-Gro 33Y45	36.2	41.4	43.2	47.0	42.0
Stine 4020-4	38.0	40.8	46.5	40.5	41.4
Kruger K-439RR/SCN	37.2	36.9	42.7	45.6	40.6
MUExp-43770	33.9	36.6	40.9	41.5	38.2
Mersch. Phoenix 940RR	38.8	38.7	41.5	32.8	37.9
<b>GROUP 4 AVERAGE</b>	<b>38.8</b>	<b>42.8</b>	<b>49.8</b>	<b>52.3</b>	<b>45.9</b>
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>3.6</b>	<b>6.3</b>	<b>7.4</b>	<b>2.9</b>
<b>C.V. %</b>	<b>10.4</b>	<b>5.7</b>	<b>9.4</b>	<b>10.4</b>	<b>9.0</b>

\*\* 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 7. Non-Glyphosate Resistant / Special Traits Soybean Test**

North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silt Clay Soil Test: pH=7.6, OM=1.5%, P=72, K=1066

Cyst Nematode Population at Planting: 465 Eggs/100cc of Soil

Rainfall: May=5.1, June=6.5, July=1.4, Aug.=0.8, Sept.=6.7 Total=20.5 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2 Yr. Mean	
<b>MATURITY GROUP 3</b>							
Schillinger 388.TC	2	9-26	30	1	41.9**	--	--
High Yield Check 3	--	10-02	30	1	40.6*	--	--
High Yield Check 1	--	9-27	29	1	40.1*	--	--
MPG 415CN	7	10-03	31	1	40.1*	--	--
MPV 4238N	7	10-02	26	1	38.0	--	--
High Yield Check 2	--	9-26	32	1	36.2	--	--
Schillinger 435.TCS	3	9-30	25	1	35.4	--	--
Schillinger 447.TC	2	9-30	32	1	34.8	--	--
Asoyia 3867SCN	1, 5, 7	9-26	26	1	34.6	--	--
Schillinger 448F.HPC	Untreated	10-02	32	1	34.6	--	--
Schillinger 428F.HPC	Untreated	9-30	28	1	33.5	--	--
Asoyia 3517SCN	1, 5, 7	9-23	22	1	31.1	--	--
Asoyia 3208	1, 5, 7	9-21	24	1	29.2	--	--
Asoyia 3106SCN	1, 5, 7	9-21	26	1	28.6	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-28</b>	<b>28</b>	<b>1</b>	<b>35.6</b>	<b>--</b>	<b>--</b>
<b>L.S.D. AT .10</b>					<b>3.5</b>		
<b>C.V. %</b>					<b>8.2</b>		

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

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

North Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.6, OM=3.4%, P=214, K=766

Cyst Nematode Population at Planting: 399 Eggs/100cc of Soil

Rainfall: May=3.7, June=9.2, July=1.6, Aug.=1.1, Sept.=7.5 Total=23.1 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
MPG 415CN	7	10-04	--	1	47.4**	55.6*	51.5
Schillinger 388.TC	2	9-27	--	1	45.0*	--	--
High Yield Check 3	--	10-03	--	1	44.9*	54.7*	49.8
MPV 4238N	7	10-04	--	1	43.5	--	--
Asoyia 3208	1, 5, 7	9-27	--	1	43.4	--	--
Schillinger 428F.HPC	Untreated	10-02	--	1	42.7	--	--
High Yield Check 2	--	10-01	--	1	42.4	54.1*	48.3
High Yield Check 1	--	9-30	--	1	42.3	53.9*	48.1
Schillinger 447.TC	2	10-03	--	1	41.7	--	--
Asoyia 3867SCN	1, 5, 7	9-27	--	1	37.8	54.9*	46.4
Asoyia 3106SCN	1, 5, 7	9-20	--	1	37.4	45.0	41.2
Schillinger 435.TCS	3	10-01	--	1	36.3	52.5	44.4
Schillinger 448F.HPC	Untreated	10-03	--	1	35.4	--	--
Asoyia 3517SCN	1, 5, 7	9-27	--	1	34.2	56.4**	45.3
<b>GROUP 3 AVERAGE</b>		<b>9-30</b>	<b>--</b>	<b>1</b>	<b>41.0</b>	<b>51.7</b>	<b>46.4</b>
<b>L.S.D. AT .10</b>					<b>3.5</b>	<b>3.2</b>	
<b>C.V. %</b>					<b>7.2</b>	<b>5.1</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

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

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.0, OM=2.6%, P=28, K=466

Cyst Nematode Population at Planting: 332 Eggs/100cc of Soil

Rainfall: May=5.0, June=8.3, July=6.6, Aug.=2.2, Sept.=9.4 Total=31.4 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
High Yield Check 2	--	10-02	--	2	48.8**	49.8*	49.3
High Yield Check 1	--	10-01	--	1	47.5*	51.7**	49.6
Asoyia 3208	1, 5, 7	9-25	--	3	46.2*	--	--
MPG 415CN	7	9-30	--	1	46.0*	48.5*	47.3
MPV 4238N	7	10-03	--	1	45.5*	--	--
High Yield Check 3	--	10-03	--	1	44.0*	47.8*	45.9
Schillinger 447.TC	2	10-05	--	2	43.8*	--	--
Schillinger 388.TC	2	9-24	--	2	43.0*	--	--
Asoyia 3517SCN	1, 5, 7	9-26	--	1	41.0	34.2	37.6
Schillinger 428F.HPC	Untreated	10-02	--	2	40.0	--	--
Schillinger 435.TCS	3	10-03	--	2	39.5	46.1*	42.8
Asoyia 3867SCN	1, 5, 7	9-26	--	2	37.7	42.1	39.9
Asoyia 3106SCN	1, 5, 7	9-20	--	4	36.9	32.9	34.9
Schillinger 448F.HPC	Untreated	10-03	--	1	33.4	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-30</b>	<b>--</b>	<b>2</b>	<b>42.4</b>	<b>40.5</b>	<b>41.5</b>
<b>L.S.D. AT .10</b>					<b>6.0</b>	<b>6.9</b>	
<b>C.V. %</b>					<b>11.9</b>	<b>13.5</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)



TABLE 10. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Three North Missouri locations (Craig, Albany, Mooresville) during 2008.

Brand-Variety	Yield (Bu/Acre)			
	Craig	Albany	Mooresville	Mean
<b>MATURITY GROUP 3</b>				
MPG 415CN	40.1*	47.4**	46.0*	44.5**
Schillinger 388.TC	41.9**	45.0*	43.0*	43.3*
High Yield Check 1	40.1*	42.3	47.5*	43.3*
High Yield Check 3	40.6*	44.9*	44.0*	43.2*
High Yield Check 2	36.2	42.4	48.8**	42.5*
MPV 4238N	38.0	43.5	45.5*	42.3*
Schillinger 447.TC	34.8	41.7	43.8*	40.1
Asoyia 3208	29.2	43.4	46.2*	39.6
Schillinger 428F.HPC	33.5	42.7	40.0	38.7
Schillinger 435.TCS	35.4	36.3	39.5	37.1
Asoyia 3867SCN	34.6	37.8	37.7	36.7
Asoyia 3517SCN	31.1	34.2	41.0	35.4
Schillinger 448F.HPC	34.6	35.4	33.4	34.5
Asoyia 3106SCN	28.6	37.4	36.9	34.3
<b>GROUP 3 AVERAGE</b>	<b>35.6</b>	<b>41.0</b>	<b>42.4</b>	<b>39.7</b>
<b>L.S.D. AT .10</b>	<b>3.5</b>	<b>3.5</b>	<b>6.0</b>	<b>2.6</b>
<b>C.V. %</b>	<b>8.2</b>	<b>7.2</b>	<b>11.9</b>	<b>9.1</b>

\*\* 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, even with growing season rainfall that was 65% above normal. The Columbia site was replanted in June because the May planting was mostly drowned out by excessive rain in late May. The Henrietta site was infested with SDS and stink bugs that reduced yields in some areas of the field while leaving other areas with normal growth and yield. The variability in the yield data there was too severe to utilize, so data from that site was not reported. The cooperating farmer at the Grand Pass site had an aerial application of Quadris put on the field in July as a preventative measure against fungal soybean diseases.

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 = 70.0 degrees, 1.1 degrees below normal

Average precipitation = 32.5”, 12.7” above normal

Table 11. Central Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide Pre
			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		
<i>Glyphosate Resistant Soybean Tests</i>							
Henrietta	05-13	10-20	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax Roundup WeatherMax
Grand Pass	05-13	10-21	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax Roundup WeatherMax
Columbia	06-12	10-17, 10-27	9	46	60	No-Till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax Roundup WeatherMax
Truxton	06-12	10-22	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax Roundup WeatherMax
Annada	05-05	10-10	0	30	70	Minimum	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax Roundup WeatherMax, Assure II
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>							
Henrietta	05-13	10-20	0	0	0	Minimum	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax Ultra Blazer, Select
Grand Pass	05-13	10-21	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax Ultra Blazer, Select
Columbia	06-12	10-17	9	46	60	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax
Truxton	06-12	10-22	0	0	0	No-Till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax
Annada	05-05	10-10	0	30	70	Minimum	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax

**TABLE 12. Glyphosate Resistant Soybean Test**

Central Region: Grand Pass, MO (Saline County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.3, OM=1.7%, P=36, K=494

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=3.2, June=7.0, July=8.3, Aug.=2.2, Sept.=7.0 Total=27.7

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Stone 3A388NRR	4	10-02	43	2	73.7**	--	--
Dyna-Gro 35G38	3	10-01	42	2	73.6*	55.3	64.5
NK S34-R2 Brand	4	9-24	40	2	72.9*	--	--
G2 Genetics 7383	4	9-28	49	2	72.9*	--	--
Midland MG 3738NRR	7	9-26	42	2	72.7*	65.1*	68.9
Pioneer 93Y70	4	9-30	43	3	71.0*	--	--
Morsoy RT 3887N	4	10-01	41	2	70.8*	62.6	66.7
Kruger K-384RR/SCN	None	10-03	42	3	70.5*	59.2	64.9
Morsoy RT 3807N	4	9-28	43	2	70.1*	64.2	67.1
Asgrow AG3705	2	9-25	45	2	70.1*	62.7	66.4
NK S37-F7 Brand	4	9-30	44	3	70.0*	69.1*	69.6
Fontanelle 9772	Untreated	9-26	42	2	69.9*	--	--
NK S35-T9 Brand	4	9-25	48	2	69.7*	--	--
Morsoy RT 3936N	4	9-29	47	2	69.1*	64.7*	66.9
Dyna-Gro 32X39	3	9-28	40	2	68.7*	--	--
Pioneer 93M61	4	9-25	43	2	68.6*	55.8	62.2
Kruger K-382RR/SCN	None	10-02	42	2	68.4*	56.9	62.7
NK S39-A3 Brand	4	10-01	38	2	68.3*	70.6*	69.5
NK S37-P5 Brand	4	9-30	39	2	68.3*	54.3	61.3
G2 Genetics 7391	4	9-29	44	3	68.0*	--	--
NuTech NT-7399	4	10-02	48	2	67.8*	--	--
Lewis 3909	1, 7	9-29	37	2	67.1	--	--
Asgrow AG3803	2	10-02	29	2	66.4	62.9	64.7
Lewis 3968	1, 7	9-30	42	2	66.3	65.9*	66.1
MPG 3808nRR	7	9-28	43	2	66.1	69.0*	67.6
Stone 3A398NRR	4	9-30	41	2	65.9	--	--
Midland MG 3919NRR	7	9-29	39	2	65.8	--	--
NuTech NT-7386	4	9-27	40	2	65.1	--	--
MPG 3609nRR	7	10-01	42	2	64.5	--	--
Asgrow AG3905	2	10-03	44	2	64.4	72.1**	68.3
Asgrow AG3603	2	9-26	42	2	64.3	68.3*	66.3
MPG 3908nRR/STS	7	10-03	40	2	63.4	62.1	62.8
Kruger K-363RR/SCN	None	9-26	37	2	63.1	58.3	60.7
Fontanelle 9789 NRR	Untreated	9-23	41	2	61.8	--	--
Mersch. Eisenhower 937RR	1, 7, 11	9-30	36	2	60.6	--	--
Midland MG 3979NRR	7	9-29	36	3	60.2	--	--
Dyna-Gro 35F37	3	9-30	42	2	59.9	--	--
Schillinger 398.RCP	Untreated	10-02	45	2	59.3	--	--
NuTech NT-3909+ RR/SCN	4	10-01	37	2	58.8	57.8	58.3
Morsoy RT 3858N	4	9-28	36	2	58.7	--	--
Mersch. Kennedy 836RR	1, 7, 11	9-30	42	2	57.2	46.7	52.0
Kruger K-389RR/SCN	None	9-29	43	2	56.8	61.9	59.4
Kruger K-372RR/SCN	None	9-29	40	2	56.7	--	--
Midland MG 9A385NRS	7	9-27	40	2	53.0	59.4	56.2
MUExp-39662	2	10-01	41	3	52.4	--	--

TABLE 12. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
MUExp-38292	2	10-03	39	2	49.8	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-29</b>	<b>41</b>	<b>2</b>	<b>65.3</b>	<b>60.2</b>	<b>62.8</b>
<b>L.S.D. AT .10</b>					<b>6.2</b>	<b>7.8</b>	
<b>C.V. %</b>					<b>6.9</b>	<b>9.2</b>	
<b>MATURITY GROUP 4</b>							
NuTech NT-4242 RR/SCN	4	10-03	48	2	71.9**	59.1*	65.5
Asgrow AG4005	2	9-30	41	2	69.3*	--	--
Midland MG 4329NRR	7	10-06	43	3	68.8*	--	--
NuTech NT-7475	4	10-09	40	3	67.9*	--	--
Mersch. Memphis 943RR	1, 7, 11	10-04	46	3	67.9*	--	--
Midland MG 4289NRS	7	10-02	41	2	67.2*	--	--
Pioneer 94Y01	4	10-04	40	3	67.1*	--	--
Lewis 4009	1, 7	10-02	39	2	66.5*	--	--
Kruger K-410RR/SCN	None	9-30	44	2	66.0*	53.3	59.7
Asgrow AG4303	2	10-03	42	2	65.6*	--	--
MPG 5969	7	10-07	42	3	65.2	--	--
Dyna-Gro 38C42	3	10-04	44	3	65.1	59.3*	62.2
Kruger K-417RR/SCN	None	10-04	41	3	64.9	--	--
Asgrow AG4103	2	10-05	48	3	64.7	53.6	59.2
NC+ 4A15RS	Untreated	10-04	46	3	64.3	--	--
Morsoy RT 4327N	4	10-05	41	3	63.9	62.9*	63.4
Stine 4182-4	Untreated	10-05	44	3	63.9	49.7	56.8
G2 Genetics 7471	4	10-07	45	3	63.8	--	--
Midland MG 4157NRS	7	10-07	44	3	63.3	53.2	58.3
Stine 4392-4	Untreated	10-03	36	2	63.1	55.0	59.1
Mersch. Houston 747RR	1, 7, 11	10-08	40	2	63.0	54.3	58.7
Mersch. Santa Fe 945RR	1, 7, 11	10-07	48	3	62.6	--	--
Mersch. Norfolk 741RR	1, 7, 11	10-05	42	3	62.6	50.0	56.3
NuTech NT-7417	4	10-02	47	3	62.3	--	--
MPG 4209nRR	7	10-01	42	2	62.2	--	--
Kruger K-428RR/SCN	None	9-29	46	2	61.8	--	--
Morsoy RT 4107N	4	10-01	43	2	61.8	60.4*	61.1
MPG 4509nRR/STS	7	10-04	42	3	61.3	--	--
Dyna-Gro 33Y45	3	10-06	45	3	61.2	--	--
Morsoy RT 4057N	4	10-03	43	2	61.2	--	--
Morsoy RT 4348N	4	10-04	43	3	60.8	--	--
Mersch. Nashville 749RR	1, 7, 11	10-10	47	2	60.8	57.9*	59.4
Morsoy RT 4457N	4	10-05	43	3	60.5	--	--
Asgrow AG4404	2	10-06	40	3	60.4	51.2	55.8
Crow's C4119R	Untreated	10-01	43	2	60.3	--	--
Morsoy RT 4707N	4	10-06	51	3	60.3	--	--
Morsoy RT 4126N	4	10-04	41	3	59.9	52.2	56.1
Kruger K-439RR/SCN	None	9-30	38	2	59.9	--	--
NuTech NT-7438	4	10-03	43	3	59.4	--	--
Crow's C4519R	Untreated	10-05	42	3	59.3	--	--
NK S44-D5 Brand	4	10-06	39	3	59.1	--	--
Pioneer 94Y20	4	10-06	44	3	57.9	--	--
Lewis 4159	1, 7	9-29	40	2	57.5	--	--
Lewis 4408	1, 7	10-07	41	3	57.5	54.8	56.2
Morsoy RT 4485N	4	10-04	52	3	57.0	47.6	52.3

TABLE 12. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
MPG 4707nRR/STS	7	10-02	41	2	56.8	59.7*	58.3
MPG 6013	7	10-08	40	3	56.5	--	--
NK S43-N6 Brand	4	10-04	43	3	56.1	--	--
NK S49-Q9	4	10-10	44	3	55.6	--	--
MPG 4406nRR	7	10-06	46	3	55.4	51.7	53.6
MUExp-43770	2	10-03	42	2	55.3	--	--
Kruger K-433RR/SCN	None	10-06	47	3	54.5	48.8	51.7
Midland MG 4477NRR	7	10-07	44	4	54.4	47.3	50.9
NK S41-R6 Brand	4	10-05	42	3	54.3	--	--
Morsoy RTS 4718N	4	10-05	43	3	53.7	--	--
NK S47-D9 Brand	4	10-07	42	3	50.9	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-04</b>	<b>43</b>	<b>3</b>	<b>61.3</b>	<b>53.1</b>	<b>57.2</b>
<b>L.S.D. AT .10</b>					<b>6.7</b>	<b>7.9</b>	
<b>C.V. %</b>					<b>8.1</b>	<b>10.2</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 13. Glyphosate Resistant Soybean Test**

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.2, OM=2.5%, P=94, K=472

Cyst Nematode Population at Planting: 131 Eggs/100cc of Soil

Rainfall: May=4.1, June=3.3, July=8.6, Aug.=2.0, Sept.=9.4 Total=27.4

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Dyna-Gro 35G38	3	10-07	35	1	62.0**	49.5*	55.8
Morsoy RT 3807N	4	10-08	33	1	61.7*	49.8*	55.8
Kruger K-382RR/SCN	None	10-11	32	1	61.7*	48.1*	54.9
Stone 3A388NRR	4	10-08	34	1	60.9*	--	--
NK S39-A3 Brand	4	10-08	34	1	60.5*	48.6*	54.6
MPG 3908nRR/STS	7	10-10	34	1	60.0*	43.1	51.6
Asgrow AG3803	2	10-07	35	1	59.7*	49.2*	54.5
NK S35-T9 Brand	4	10-06	37	2	59.0*	--	--
NK S37-F7 Brand	4	10-05	32	1	58.9*	42.7	50.8
Lewis 3909	1, 7	10-06	33	1	58.4*	--	--
NK S34-R2 Brand	4	10-04	30	1	58.1*	--	--
G2 Genetics 7383	4	10-05	39	1	57.9	--	--
Kruger K-384RR/SCN	None	10-08	35	1	57.2	49.9**	53.6
Asgrow AG3705	2	10-04	31	1	57.0	46.6*	51.8
Midland MG 3738NRR	7	10-06	36	2	56.9	41.4	49.2
Midland MG 3919NRR	7	10-09	30	1	56.5	--	--
Pioneer 93Y70	4	10-05	31	2	56.4	--	--
Fontanelle 9789 NRR	Untreated	10-03	36	2	56.4	--	--
G2 Genetics 7391	4	10-06	33	2	56.4	--	--
Morsoy RT 3936N	4	10-07	36	2	56.4	44.7	50.6
NK S37-P5 Brand	4	10-05	35	1	55.6	47.5*	51.6
Pioneer 93M61	4	10-04	33	1	55.2	43.7	49.5
Morsoy RT 3887N	4	10-08	32	1	55.2	44.3	49.8
MPG 3609nRR	7	10-05	34	1	54.8	--	--
Fontanelle 9772	Untreated	10-04	34	1	54.6	--	--
Morsoy RT 3858N	4	10-05	30	1	54.4	--	--
Asgrow AG3905	2	10-07	33	1	54.2	45.3	49.8
NuTech NT-7399	4	10-07	30	1	54.0	--	--
Mersch. Kennedy 836RR	1, 7, 11	10-08	31	1	54.0	46.8*	50.4
NuTech NT-7386	4	10-05	29	1	53.9	--	--
Lewis 3968	1, 7	10-06	34	1	53.6	40.8	47.2
NuTech NT-3909+ RR/SCN	4	10-08	31	1	53.6	48.0*	50.8
Stone 3A398NRR	4	10-06	31	1	53.3	--	--
Mersch. Eisenhower 937RR	1, 7, 11	10-04	31	1	52.8	--	--
Kruger K-389RR/SCN	None	10-06	31	1	52.6	49.0*	50.8
Schillinger 398.RCP	Untreated	10-09	35	1	52.4	--	--
Midland MG 9A385NRS	7	10-08	28	1	52.3	46.5*	49.4
MUExp-39662	2	10-10	32	1	52.1	--	--
Kruger K-363RR/SCN	None	10-04	30	1	51.8	48.6*	50.2
MPG 3808nRR	7	10-08	30	1	51.8	48.3*	50.1
Asgrow AG3603	2	10-04	32	1	51.6	43.8	47.7
Dyna-Gro 32X39	3	10-05	32	1	51.1	--	--
Kruger K-372RR/SCN	None	10-06	27	1	50.9	--	--
MUExp-38292	2	10-08	32	1	49.9	--	--
Midland MG 3979NRR	7	10-05	31	1	47.0	--	--

TABLE 13. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Dyna-Gro 35F37	3	10-07	25	1	44.9	--	--
<b>GROUP 3 AVERAGE</b>		<b>10-06</b>	<b>32</b>	<b>1</b>	<b>55.2</b>	<b>45.4</b>	<b>50.3</b>
<b>L.S.D. AT .10</b>					<b>4.0</b>	<b>4.1</b>	
<b>C.V. %</b>					<b>5.1</b>	<b>6.1</b>	
<b>MATURITY GROUP 4</b>							
Mersch. Memphis 943RR	1, 7, 11	10-12	36	1	68.2**	--	--
Morsoy RT 4707N	4	10-12	42	2	67.4*	--	--
NuTech NT-7438	4	10-12	36	1	66.5*	--	--
Midland MG 4329NRR	7	10-13	36	2	66.5*	--	--
MPG 4707nRR/STS	7	10-11	34	1	66.3*	44.2	55.3
MPG 4209nRR	7	10-11	36	1	66.2*	--	--
Kruger K-410RR/SCN	None	10-11	36	1	65.4*	47.7	56.6
MPG 4509nRR/STS	7	10-12	36	1	64.8*	--	--
Morsoy RT 4327N	4	10-13	32	1	64.8*	51.0*	57.9
Morsoy RT 4348N	4	10-13	37	2	63.6	--	--
Crow's C4119R	Untreated	10-11	36	1	63.5	--	--
Morsoy RT 4057N	4	10-10	35	1	62.7	--	--
Midland MG 4477NRR	7	10-13	37	2	62.6	44.0	53.3
NuTech NT-7417	4	10-11	37	1	62.6	--	--
Lewis 4159	1, 7	10-11	36	1	62.6	--	--
Lewis 4408	1, 7	10-11	32	1	62.4	47.4	54.9
NuTech NT-4242 RR/SCN	4	10-12	38	1	62.1	49.0*	55.6
Kruger K-417RR/SCN	None	10-10	36	1	62.1	--	--
MPG 4406nRR	7	10-13	42	2	61.8	47.0	54.4
Asgrow AG4303	2	10-11	33	1	61.7	--	--
NuTech NT-7475	4	10-13	33	1	61.5	--	--
Morsoy RT 4107N	4	10-11	36	1	61.3	48.2*	54.8
Mersch. Nashville 749RR	1, 7, 11	10-12	40	1	61.3	43.0	52.2
Stine 4182-4	Untreated	10-11	36	2	61.3	49.8*	55.6
MPG 6013	7	10-13	41	2	61.3	--	--
NK S43-N6 Brand	4	10-12	36	1	61.3	--	--
Morsoy RT 4485N	4	10-14	45	2	60.6	47.0	53.8
NC+ 4A15RS	Untreated	10-11	36	1	60.5	--	--
Mersch. Norfolk 741RR	1, 7, 11	10-11	36	2	60.1	46.4	53.3
Morsoy RT 4457N	4	10-12	34	2	60.0	--	--
Pioneer 94Y01	4	10-10	40	2	59.4	--	--
Asgrow AG4005	2	10-09	34	1	59.3	--	--
Mersch. Houston 747RR	1, 7, 11	10-12	40	1	59.3	46.5	52.9
Midland MG 4157NRS	7	10-12	34	2	59.0	48.0	53.5
Asgrow AG4404	2	10-12	38	2	58.6	48.2*	53.4
Dyna-Gro 38C42	3	10-11	36	1	58.5	46.7	52.6
Crow's C4519R	Untreated	10-12	33	2	58.5	--	--
Morsoy RT 4126N	4	10-11	37	2	58.3	52.2**	55.3
G2 Genetics 7471	4	10-12	44	3	58.2	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-12	33	1	58.1	--	--
Midland MG 4289NRS	7	10-12	36	2	58.0	--	--
Stine 4392-4	Untreated	10-11	34	1	57.9	43.1	50.5
Pioneer 94Y20	4	10-12	39	2	57.4	--	--
Lewis 4009	1, 7	10-11	34	1	57.0	--	--
Asgrow AG4103	2	10-11	39	1	57.0	44.4	50.7

TABLE 13. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
NK S49-Q9	4	10-15	45	3	56.3	--	--
MPG 5969	7	10-13	42	2	56.1	--	--
NK S41-R6 Brand	4	10-10	35	1	56.0	--	--
Kruger K-439RR/SCN	None	10-06	34	1	55.8	--	--
Kruger K-433RR/SCN	None	10-12	42	2	55.3	50.0*	52.7
NK S44-D5 Brand	4	10-12	37	2	54.9	--	--
Kruger K-428RR/SCN	None	10-07	35	2	54.1	--	--
Morsoy RTS 4718N	4	10-13	35	1	53.0	--	--
NK S47-D9 Brand	4	10-14	38	1	49.4	--	--
Dyna-Gro 33Y45	3	10-11	37	2	48.6	--	--
MUExp-43770	2	10-07	34	1	47.9	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-11</b>	<b>37</b>	<b>1</b>	<b>59.9</b>	<b>46.4</b>	<b>53.2</b>
<b>L.S.D. AT .10</b>					<b>4.1</b>	<b>4.0</b>	
<b>C.V. %</b>					<b>4.8</b>	<b>5.9</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)



**TABLE 14. Glyphosate Resistant Soybean Test**

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.6, OM=1.9%, P=100, K=244

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=8.1, June=4.9, July=10.7, Aug.=1.3, Sept.=11.4 Total=36.4

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
<b>MATURITY GROUP 3</b>							
NK S39-A3 Brand	4	10-08	32	2	78.0**	9.5	43.8
Pioneer 93Y70	4	10-10	36	2	77.1*	--	--
NK S34-R2 Brand	4	10-04	33	2	76.0*	--	--
NK S35-T9 Brand	4	10-07	36	2	75.9*	--	--
MPG 3808nRR	7	10-08	33	1	75.7*	19.3	47.5
Morsoy RT 3887N	4	10-10	35	1	74.3*	17.2	45.8
NK S37-F7 Brand	4	10-06	34	1	74.2*	5.3	39.8
Morsoy RT 3936N	4	10-08	37	2	74.0*	19.0	46.5
G2 Genetics 7391	4	10-12	38	2	73.2*	--	--
Dyna-Gro 35G38	3	10-11	35	1	72.9*	5.8	39.4
Asgrow AG3803	2	10-11	36	1	72.7	20.1	46.4
Morsoy RT 3858N	4	10-11	32	2	72.7	--	--
MPG 3609nRR	7	10-05	34	1	72.4	--	--
Morsoy RT 3807N	4	10-11	35	1	72.3	14.2	43.3
Kruger K-382RR/SCN	None	10-12	35	1	72.3	8.1	40.2
Dyna-Gro 32X39	3	10-09	34	1	71.7	--	--
MPG 3908nRR/STS	7	10-11	30	1	71.6	23.9**	47.8
Fontanelle 9789 NRR	Untreated	10-05	33	1	71.5	--	--
NuTech NT-7399	4	10-10	35	1	71.4	--	--
G2 Genetics 7383	4	10-06	38	2	71.3	--	--
Lewis 3968	1, 7	10-11	39	2	70.9	17.6	44.3
NuTech NT-7386	4	10-09	32	2	70.7	--	--
Stone 3A388NRR	4	10-09	35	1	70.3	--	--
NK S37-P5 Brand	4	10-07	35	1	69.5	11.0	40.3
Midland MG 9A385NRS	7	10-12	31	1	69.5	16.5	43.0
NuTech NT-3909+ RR/SCN	4	10-11	33	1	69.4	17.3	43.4
Kruger K-389RR/SCN	None	10-10	29	1	69.1	14.8	42.0
Stone 3A398NRR	4	10-08	34	1	68.7	--	--
Asgrow AG3905	2	10-12	36	2	68.7	21.2*	45.0
Fontanelle 9772	Untreated	10-05	31	1	68.6	--	--
Kruger K-384RR/SCN	None	10-10	33	1	68.5	16.2	42.4
Pioneer 93M61	4	10-03	32	1	68.4	11.4	39.9
Asgrow AG3705	2	10-07	32	1	67.7	13.9	40.8
Kruger K-363RR/SCN	None	10-08	33	1	66.8	8.3	37.6
Mersch. Eisenhower 937RR	1, 7, 11	10-08	35	2	66.1	--	--
Asgrow AG3603	2	10-10	33	1	65.7	14.8	40.3
Lewis 3909	1, 7	10-10	35	1	65.7	--	--
Midland MG 3738NRR	7	10-09	36	1	65.6	17.4	41.5
Midland MG 3919NRR	7	10-10	31	1	65.1	--	--
Mersch. Kennedy 836RR	1, 7, 11	10-07	34	1	64.9	16.7	40.8
Midland MG 3979NRR	7	10-04	34	2	63.1	--	--
MUExp-39662	2	10-12	34	2	61.4	--	--
Schillinger 398.RCP	Untreated	10-12	39	3	58.8	--	--
Kruger K-372RR/SCN	None	10-08	32	1	57.9	--	--
MUExp-38292	2	10-13	28	1	56.1	--	--

TABLE 14. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Dyna-Gro 35F37	3	10-08	30	1	55.6	--	--
<b>GROUP 3 AVERAGE</b>		<b>10-09</b>	<b>34</b>	<b>1</b>	<b>69.2</b>	<b>14.6</b>	<b>41.9</b>
<b>L.S.D. AT .10</b>					<b>5.1</b>	<b>3.0</b>	
<b>C.V. %</b>					<b>5.3</b>	<b>13.8</b>	
<b>MATURITY GROUP 4</b>							
Morsoy RT 4348N	4	10-11	35	1	80.9**	--	--
Asgrow AG4303	2	10-12	35	1	79.4*	--	--
Mersch. Nashville 749RR	1, 7, 11	10-12	38	2	77.9*	19.3	48.6
Mersch. Norfolk 741RR	1, 7, 11	10-13	35	2	77.7*	21.0	49.4
MPG 4707nRR/STS	7	10-12	33	2	77.0*	21.9	49.5
Morsoy RT 4126N	4	10-14	34	2	77.0*	22.2	49.6
Kruger K-410RR/SCN	None	10-10	38	1	76.9*	18.6	47.8
NuTech NT-7438	4	10-15	35	2	76.7*	--	--
Stine 4182-4	Untreated	10-14	34	2	76.6*	19.4	48.0
MPG 6013	7	10-13	36	2	76.2*	--	--
Midland MG 4157NRS	7	10-16	35	2	76.1*	21.2	48.7
Mersch. Memphis 943RR	1, 7, 11	10-11	39	2	76.1*	--	--
MPG 4209nRR	7	10-13	37	2	75.7*	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-13	33	1	75.7*	--	--
Midland MG 4329NRR	7	10-13	35	1	75.6*	--	--
Stine 4392-4	Untreated	10-13	32	1	74.7	15.9	45.3
MPG 4509nRR/STS	7	10-10	36	1	74.6	--	--
NuTech NT-7475	4	10-15	34	1	74.5	--	--
Morsoy RTS 4718N	4	10-15	39	2	74.5	--	--
Mersch. Houston 747RR	1, 7, 11	10-15	35	2	74.3	22.8	48.6
Lewis 4159	1, 7	10-11	38	2	74.1	--	--
Crow's C4519R	Untreated	10-11	37	1	73.9	--	--
MPG 5969	7	10-11	40	2	73.6	--	--
NuTech NT-7417	4	10-10	36	2	72.8	--	--
Morsoy RT 4057N	4	10-11	36	2	72.2	--	--
NuTech NT-4242 RR/SCN	4	10-10	35	2	71.4	13.0	42.2
Pioneer 94Y01	4	10-08	39	2	71.4	--	--
Morsoy RT 4457N	4	10-13	36	2	71.3	--	--
G2 Genetics 7471	4	10-13	41	2	71.2	--	--
MPG 4406nRR	7	10-14	41	3	71.2	23.8*	47.5
Kruger K-417RR/SCN	None	10-11	35	1	71.1	--	--
Morsoy RT 4485N	4	10-15	39	2	71.0	25.0*	48.0
Pioneer 94Y20	4	10-10	41	3	71.0	--	--
NK S44-D5 Brand	4	10-12	36	2	70.8	--	--
Asgrow AG4005	2	10-08	34	1	70.7	--	--
Midland MG 4289NRS	7	10-11	34	1	70.2	--	--
NC+ 4A15RS	Untreated	10-10	37	1	70.2	--	--
Morsoy RT 4327N	4	10-12	37	2	69.9	16.0	43.0
Crow's C4119R	Untreated	10-11	39	2	69.8	--	--
Kruger K-428RR/SCN	None	10-08	33	1	69.5	--	--
Morsoy RT 4707N	4	10-13	37	2	69.3	--	--
Asgrow AG4103	2	10-11	40	2	68.7	22.3	45.5
Dyna-Gro 33Y45	3	10-11	32	1	68.5	--	--
Dyna-Gro 38C42	3	10-12	35	1	68.2	15.1	41.7
Asgrow AG4404	2	10-12	37	2	67.9	15.0	41.5

TABLE 14. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
NK S41-R6 Brand	4	10-11	34	1	67.8	--	--
Morsoy RT 4107N	4	10-09	36	2	67.5	22.4	45.0
NK S47-D9 Brand	4	10-14	35	1	67.3	--	--
Lewis 4009	1, 7	10-11	31	1	66.9	--	--
Lewis 4408	1, 7	10-13	34	1	66.3	17.4	41.9
NK S49-Q9	4	10-18	41	2	65.4	--	--
Kruger K-433RR/SCN	None	10-13	43	3	64.1	23.8*	44.0
Midland MG 4477NRR	7	10-13	35	2	63.9	22.6	43.3
Kruger K-439RR/SCN	None	10-07	34	2	63.6	--	--
NK S43-N6 Brand	4	10-12	36	2	63.2	--	--
MUExp-43770	2	10-10	38	2	62.8	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-12</b>	<b>36</b>	<b>2</b>	<b>71.7</b>	<b>19.5</b>	<b>45.6</b>
<b>L.S.D. AT .10</b>					<b>5.4</b>	<b>2.4</b>	
<b>C.V. %</b>					<b>5.3</b>	<b>8.4</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 15. Glyphosate Resistant Soybean Test**

Central Region: Annada, MO (Pike County)

Soil Type: Tice Silt Loam Soil Test: pH=5.6, OM=2.1%, P=104, K=322

Cyst Nematode Population at Planting: 266 Eggs/100cc of Soil

Rainfall: May=5.9, June=5.1, July=11.8, Aug.=1.6, Sept.=11.7 Total=36.1

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
NK S39-A3 Brand	4	9-24	40	3	57.0**	33.3	45.2
NK S34-R2 Brand	4	9-20	35	2	56.6*	--	--
Fontanelle 9772	Untreated	9-15	39	1	56.3*	--	--
Dyna-Gro 32X39	3	9-21	39	2	54.4*	--	--
Asgrow AG3803	2	9-23	39	2	54.1*	47.2	50.7
NK S37-P5 Brand	4	9-20	36	3	54.0*	32.8	43.4
Morsoy RT 3887N	4	9-18	41	2	53.5*	49.6*	51.6
Stone 3A398NRR	4	9-21	37	3	53.4*	--	--
Kruger K-384RR/SCN	None	9-20	39	2	52.2*	47.0	49.6
Morsoy RT 3807N	4	9-22	41	2	50.4*	49.1*	49.8
Pioneer 93M61	4	9-16	42	2	49.2*	47.4	48.3
NK S35-T9 Brand	4	9-19	44	2	49.1*	--	--
NuTech NT-7399	4	9-20	38	2	48.8*	--	--
Stone 3A388NRR	4	9-24	42	2	48.8*	--	--
Lewis 3968	1, 7	9-19	42	2	48.4*	46.6	47.5
NK S37-F7 Brand	4	9-22	34	3	47.9*	38.6	43.3
Lewis 3909	1, 7	9-22	39	2	47.9*	--	--
G2 Genetics 7391	4	9-24	42	3	47.0	--	--
Mersch. Eisenhower 937RR	1, 7, 11	9-22	39	3	46.2	--	--
Morsoy RT 3936N	4	9-24	38	3	46.1	44.2	45.2
NuTech NT-7386	4	9-20	37	3	44.6	--	--
MPG 3808nRR	7	9-22	34	2	44.4	46.5	45.5
G2 Genetics 7383	4	9-15	40	2	44.1	--	--
Midland MG 3919NRR	7	9-24	40	2	43.8	--	--
MPG 3609nRR	7	9-14	37	2	41.7	--	--
Asgrow AG3905	2	9-25	40	2	41.6	46.2	43.9
MPG 3908nRR/STS	7	9-23	38	2	41.5	41.5	41.5
Asgrow AG3705	2	9-17	39	2	41.4	47.4	44.4
Asgrow AG3603	2	9-14	28	1	41.1	50.6*	45.9
Pioneer 93Y70	4	9-21	41	2	40.9	--	--
Kruger K-372RR/SCN	None	9-22	33	2	40.9	--	--
Morsoy RT 3858N	4	9-20	34	2	40.2	--	--
NuTech NT-3909+ RR/SCN	4	9-22	36	3	39.3	41.8	40.6
Kruger K-382RR/SCN	None	9-23	37	2	38.9	47.0	43.0
Kruger K-389RR/SCN	None	9-22	34	2	38.7	41.5	40.1
Midland MG 3738NRR	7	9-21	39	3	38.6	51.4**	45.0
Midland MG 9A385NRS	7	9-17	37	3	37.6	38.8	38.2
Mersch. Kennedy 836RR	1, 7, 11	9-21	36	2	37.5	43.3	40.4
Schillinger 398.RCP	Untreated	9-25	40	3	36.3	--	--
Dyna-Gro 35G38	3	9-21	38	3	36.2	45.0	40.6
MUExp-38292	2	9-21	35	2	35.8	--	--
Kruger K-363RR/SCN	None	9-16	36	2	33.5	46.5	40.0
Fontanelle 9789 NRR	Untreated	9-11	36	3	33.5	--	--
Midland MG 3979NRR	7	9-14	36	4	28.7	--	--
Dyna-Gro 35F37	3	9-23	36	2	27.7	--	--

TABLE 15. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
MUExp-39662	2	9-18	36	3	17.6	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-20</b>	<b>38</b>	<b>2</b>	<b>43.6</b>	<b>43.7</b>	<b>43.7</b>
<b>L.S.D. AT .10</b>					<b>9.4</b>	<b>3.8</b>	
<b>C.V. %</b>					<b>14.9</b>	<b>6.0</b>	
<b>MATURITY GROUP 4</b>							
Asgrow AG4303	2	9-23	36	2	54.8**	--	--
Asgrow AG4005	2	9-23	39	2	54.4*	--	--
Pioneer 94Y01	4	9-21	41	3	53.3*	--	--
NuTech NT-7417	4	9-24	39	2	52.8*	--	--
MPG 4509nRR/STS	7	9-25	34	1	51.9*	--	--
NuTech NT-7438	4	9-24	37	2	50.9*	--	--
Crow's C4119R	Untreated	9-25	37	2	50.4*	--	--
NuTech NT-7475	4	9-30	39	2	50.0*	--	--
Morsoy RT 4457N	4	9-28	39	3	50.0*	--	--
Midland MG 4329NRR	7	9-27	39	3	48.5*	--	--
Mersch. Memphis 943RR	1, 7, 11	9-28	40	3	48.5*	--	--
Kruger K-410RR/SCN	None	9-25	39	2	48.4*	40.9*	44.7
Stine 4392-4	Untreated	9-23	36	2	48.2*	44.7*	46.5
Mersch. Nashville 749RR	1, 7, 11	9-30	40	2	47.8*	38.9	43.4
Midland MG 4289NRS	7	9-23	38	3	47.6*	--	--
G2 Genetics 7471	4	9-25	43	2	47.0	--	--
MPG 4209nRR	7	9-25	38	2	46.5	--	--
NC+ 4A15RS	Untreated	9-24	39	2	46.3	--	--
Mersch. Santa Fe 945RR	1, 7, 11	9-26	38	3	46.2	--	--
Kruger K-417RR/SCN	None	9-24	37	2	46.2	--	--
NuTech NT-4242 RR/SCN	4	9-20	39	2	45.8	37.6	41.7
Lewis 4408	1, 7	9-25	35	2	45.5	41.3*	43.4
Midland MG 4477NRR	7	9-24	38	3	45.4	24.8	35.1
Pioneer 94Y20	4	9-21	39	3	44.9	--	--
Crow's C4519R	Untreated	9-24	37	2	44.7	--	--
Asgrow AG4103	2	9-23	40	3	44.6	29.6	37.1
Mersch. Houston 747RR	1, 7, 11	9-28	36	2	44.6	34.2	39.4
Dyna-Gro 38C42	3	9-18	37	3	44.3	38.2	41.3
Morsoy RT 4707N	4	9-27	44	2	44.1	--	--
Morsoy RT 4485N	4	9-24	42	2	43.8	27.9	35.9
Kruger K-428RR/SCN	None	9-22	36	3	43.5	--	--
MPG 4707nRR/STS	7	9-18	39	2	43.2	37.0	40.1
Lewis 4159	1, 7	9-17	38	2	42.9	--	--
Morsoy RT 4348N	4	9-23	36	2	42.8	--	--
MPG 5969	7	9-28	43	3	42.7	--	--
Morsoy RT 4057N	4	9-18	39	3	42.2	--	--
NK S44-D5 Brand	4	9-27	41	2	42.2	--	--
Mersch. Norfolk 741RR	1, 7, 11	9-19	40	3	42.0	41.0*	41.5
Morsoy RT 4107N	4	9-24	40	2	41.2	43.9*	42.6
Morsoy RTS 4718N	4	9-25	40	2	41.0	--	--
Stine 4182-4	Untreated	9-23	38	3	40.4	37.8	39.1
Morsoy RT 4327N	4	9-25	35	2	40.4	44.8*	42.6
Lewis 4009	1, 7	9-25	37	2	39.9	--	--
Kruger K-433RR/SCN	None	9-25	43	2	39.6	27.1	33.4
NK S43-N6 Brand	4	9-24	40	3	39.5	--	--

TABLE 15. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
NK S41-R6 Brand	4	9-22	35	3	39.4	--	--
MPG 6013	7	9-28	38	3	39.1	--	--
MUExp-43770	2	9-22	41	3	38.8	--	--
Kruger K-439RR/SCN	None	9-22	37	2	38.6	--	--
NK S49-Q9	4	10-01	42	3	36.5	--	--
Dyna-Gro 33Y45	3	9-20	35	3	35.5	--	--
MPG 4406nRR	7	9-26	43	2	35.0	31.3	33.2
Midland MG 4157NRS	7	9-20	38	3	34.6	38.6	36.6
Morsoy RT 4126N	4	9-24	38	3	34.5	39.9*	37.2
Asgrow AG4404	2	9-23	36	3	30.9	36.3	33.6
NK S47-D9 Brand	4	9-29	36	2	30.3	--	--
<b>GROUP 4 AVERAGE</b>		<b>9-24</b>	<b>39</b>	<b>2</b>	<b>43.8</b>	<b>34.6</b>	<b>39.2</b>
<b>L.S.D. AT .10</b>					<b>7.3</b>	<b>5.8</b>	
<b>C.V. %</b>					<b>11.4</b>	<b>11.4</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

TABLE 16. Performance Summary for Glyphosate Resistant Varieties evaluated at Four Central Missouri locations (Grand Pass, Columbia, Truxton, Annada) during 2008.

Grand Pass  
Planted: 5-13  
Harvested: 10-21  
Growing Season Rainfall: 27.7

Columbia  
Planted: 6-12  
Harvested: 10-17, 27  
Growing Season Rainfall: 27.4

Truxton  
Planted: 6-12  
Harvested: 10-22  
Growing Season Rainfall: 36.4

Annada  
Planted: 5-5  
Harvested: 10-10  
Growing Season Rainfall: 36.1

Brand-Variety	Yield (Bu/Acre)				Mean
	Grand Pass	Columbia	Truxton	Annada	
<b>MATURITY GROUP 3</b>					
NK S39-A3 Brand	68.3*	60.5*	78.0**	57.0**	66.0**
NK S34-R2 Brand	72.9*	58.1*	76.0*	56.6*	65.9*
Morsoy RT 3807N	70.1*	61.7*	72.3	50.4*	63.6*
Morsoy RT 3887N	70.8*	55.2	74.3*	53.5*	63.4*
Stone 3A388NRR	73.7**	60.9*	70.3	48.8*	63.4*
NK S35-T9 Brand	69.7*	59.0*	75.9*	49.1*	63.4*
Asgrow AG3803	66.4	59.7*	72.7	54.1*	63.2*
NK S37-F7 Brand	70.0*	58.9*	74.2*	47.9*	62.8*
Fontanelle 9772	69.9*	54.6	68.6	56.3*	62.3
Kruger K-384RR/SCN	70.5*	57.2	68.5	52.2*	62.1
NK S37-P5 Brand	68.3*	55.6	69.5	54.0*	61.8
G2 Genetics 7383	72.9*	57.9	71.3	44.1	61.6
Dyna-Gro 32X39	68.7*	51.1	71.7	54.4*	61.5
Morsoy RT 3936N	69.1*	56.4	74.0*	46.1	61.4
Pioneer 93Y70	71.0*	56.4	77.1*	40.9	61.4
Dyna-Gro 35G38	73.6*	62.0**	72.9*	36.2	61.2
G2 Genetics 7391	68.0*	56.4	73.2*	47.0	61.1
NuTech NT-7399	67.8*	54.0	71.4	48.8*	60.5
Pioneer 93M61	68.6*	55.2	68.4	49.2*	60.4
Kruger K-382RR/SCN	68.4*	61.7*	72.3	38.9	60.3
Stone 3A398NRR	65.9	53.3	68.7	53.4*	60.3
Lewis 3968	66.3	53.6	70.9	48.4*	59.8
Lewis 3909	67.1	58.4*	65.7	47.9*	59.8
MPG 3808nRR	66.1	51.8	75.7*	44.4	59.5
MPG 3908nRR/STS	63.4	60.0*	71.6	41.5	59.1
Asgrow AG3705	70.1*	57.0	67.7	41.4	59.0
NuTech NT-7386	65.1	53.9	70.7	44.6	58.6
Midland MG 3738NRR	72.7*	56.9	65.6	38.6	58.4
MPG 3609nRR	64.5	54.8	72.4	41.7	58.4
Midland MG 3919NRR	65.8	56.5	65.1	43.8	57.8
Asgrow AG3905	64.4	54.2	68.7	41.6	57.2
Morsoy RT 3858N	58.7	54.4	72.7	40.2	56.5
Mersch. Eisenhower 937RR	60.6	52.8	66.1	46.2	56.4
Fontanelle 9789 NRR	61.8	56.4	71.5	33.5	55.8
Asgrow AG3603	64.3	51.6	65.7	41.1	55.7
NuTech NT-3909+ RR/SCN	58.8	53.6	69.4	39.3	55.3
Kruger K-389RR/SCN	56.8	52.6	69.1	38.7	54.3
Kruger K-363RR/SCN	63.1	51.8	66.8	33.5	53.8
Mersch. Kennedy 836RR	57.2	54.0	64.9	37.5	53.4
Midland MG 9A385NRS	53.0	52.3	69.5	37.6	53.1

Table 16. Continued.

Brand-Variety	Yield (Bu/Acre)				
	Grand Pass	Columbia	Truxton	Annada	Mean
Schillinger 398.RCP	59.3	52.4	58.8	36.3	51.7
Kruger K-372RR/SCN	56.7	50.9	57.9	40.9	51.6
MIDland MG 3979NRR	60.2	47.0	63.1	28.7	49.8
MUExp-38292	49.8	49.9	56.1	35.8	47.9
Dyna-Gro 35F37	59.9	44.9	55.6	27.7	47.0
MUExp-39662	52.4	52.1	61.4	17.6	45.9
<b>GROUP 3 AVERAGE</b>	<b>65.3</b>	<b>55.2</b>	<b>69.2</b>	<b>43.6</b>	<b>58.3</b>
<b>L.S.D. AT .10</b>	<b>6.2</b>	<b>4.0</b>	<b>5.1</b>	<b>9.4</b>	<b>3.2</b>
<b>C.V. %</b>	<b>6.9</b>	<b>5.1</b>	<b>5.3</b>	<b>14.9</b>	<b>8.0</b>

**MATURITY GROUP 4**

Asgrow AG4303	65.6*	61.7	79.4*	54.8**	65.4**
Mersch. Memphis 943RR	67.9*	68.2**	76.1*	48.5*	65.2*
MIDland MG 4329NRR	68.8*	66.5*	75.6*	48.5*	64.8*
Kruger K-410RR/SCN	66.0*	65.4*	76.9*	48.4*	64.2*
NuTech NT-7475	67.9*	61.5	74.5	50.0*	63.5*
Asgrow AG4005	69.3*	59.3	70.7	54.4*	63.4*
NuTech NT-7438	59.4	66.5*	76.7*	50.9*	63.4*
MPG 4509nRR/STS	61.3	64.8*	74.6	51.9*	63.2*
Pioneer 94Y01	67.1*	59.4	71.4	53.3*	62.8*
NuTech NT-4242 RR/SCN	71.9**	62.1	71.4	45.8	62.8*
MPG 4209nRR	62.2	66.2*	75.7*	46.5	62.6*
NuTech NT-7417	62.3	62.6	72.8	52.8*	62.6*
Morsoy RT 4348N	60.8	63.6	80.9**	42.8	62.0
Mersch. Nashville 749RR	60.8	61.3	77.9*	47.8*	61.9
Kruger K-417RR/SCN	64.9	62.1	71.1	46.2	61.1
Crow's C4119R	60.3	63.5	69.8	50.4*	61.0
Stine 4392-4	63.1	57.9	74.7	48.2*	61.0
MPG 4707nRR/STS	56.8	66.3*	77.0*	43.2	60.8
MIDland MG 4289NRS	67.2*	58.0	70.2	47.6*	60.7
Mersch. Santa Fe 945RR	62.6	58.1	75.7*	46.2	60.6
Mersch. Norfolk 741RR	62.6	60.1	77.7*	42.0	60.6
Stine 4182-4	63.9	61.3	76.6*	40.4	60.6
Morsoy RT 4457N	60.5	60.0	71.3	50.0*	60.4
NC+ 4A15RS	64.3	60.5	70.2	46.3	60.3
Mersch. Houston 747RR	63.0	59.3	74.3	44.6	60.3
Morsoy RT 4707N	60.3	67.4*	69.3	44.1	60.3
G2 Genetics 7471	63.8	58.2	71.2	47.0	60.0
Morsoy RT 4327N	63.9	64.8*	69.9	40.4	59.8
Morsoy RT 4057N	61.2	62.7	72.2	42.2	59.6
MPG 5969	65.2	56.1	73.6	42.7	59.4
Lewis 4159	57.5	62.6	74.1	42.9	59.3
Crow's C4519R	59.3	58.5	73.9	44.7	59.1
Dyna-Gro 38C42	65.1	58.5	68.2	44.3	59.0
Asgrow AG4103	64.7	57.0	68.7	44.6	58.7



Table 16. Continued.

Brand-Variety	Yield (Bu/Acre)				
	Grand Pass	Columbia	Truxton	Annada	Mean
MPG 6013	56.5	61.3	76.2*	39.1	58.3
Midland MG 4157NRS	63.3	59.0	76.1*	34.6	58.2
Morsoy RT 4485N	57.0	60.6	71.0	43.8	58.1
Morsoy RT 4107N	61.8	61.3	67.5	41.2	57.9
Lewis 4408	57.5	62.4	66.3	45.5	57.9
Pioneer 94Y20	57.9	57.4	71.0	44.9	57.8
Lewis 4009	66.5*	57.0	66.9	39.9	57.6
Morsoy RT 4126N	59.9	58.3	77.0*	34.5	57.4
Kruger K-428RR/SCN	61.8	54.1	69.5	43.5	57.2
NK S44-D5 Brand	59.1	54.9	70.8	42.2	56.8
Midland MG 4477NRR	54.4	62.6	63.9	45.4	56.6
MPG 4406nRR	55.4	61.8	71.2	35.0	55.8
Morsoy RTS 4718N	53.7	53.0	74.5	41.0	55.6
NK S43-N6 Brand	56.1	61.3	63.2	39.5	55.0
Kruger K-439RR/SCN	59.9	55.8	63.6	38.6	54.5
Asgrow AG4404	60.4	58.6	67.9	30.9	54.4
NK S41-R6 Brand	54.3	56.0	67.8	39.4	54.4
NK S49-Q9	55.6	56.3	65.4	36.5	53.4
Dyna-Gro 33Y45	61.2	48.6	68.5	35.5	53.4
Kruger K-433RR/SCN	54.5	55.3	64.1	39.6	53.4
MUExp-43770	55.3	47.9	62.8	38.8	51.2
NK S47-D9 Brand	50.9	49.4	67.3	30.3	49.5
<b>GROUP 4 AVERAGE</b>	<b>61.3</b>	<b>59.9</b>	<b>71.7</b>	<b>43.8</b>	<b>59.2</b>
<b>L.S.D. AT .10</b>	<b>6.7</b>	<b>4.1</b>	<b>5.4</b>	<b>7.3</b>	<b>3.0</b>
<b>C.V. %</b>	<b>8.1</b>	<b>4.8</b>	<b>5.3</b>	<b>11.4</b>	<b>7.4</b>

\*\* 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 17. 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=1.7%, P=36, K=494

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=3.2, June=7.0, July=8.3, Aug.=2.2, Sept.=7.0 Total=27.7

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2 Yr. Mean	
<b>MATURITY GROUP 3</b>							
High Yield Check 4	--	9-27	39	2	71.6**	--	--
High Yield Check 5	--	10-06	41	2	64.0	--	--
High Yield Check 6	--	10-04	37	2	62.1	--	--
Schillinger 435.TCS	3	10-07	43	3	60.8	--	--
MPG 415CN	7	10-03	43	3	57.7	--	--
MPV 4238N	7	10-05	43	3	56.5	--	--
<b>GROUP 3 AVERAGE</b>		<b>10-04</b>	<b>41</b>	<b>2</b>	<b>62.1</b>	--	--
<b>L.S.D. AT .10</b>					<b>7.0</b>		
<b>C.V. %</b>					<b>9.0</b>		

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 18. Non-Glyphosate Resistant / Special Traits Soybean Test**

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.2, OM=2.5%, P=94, K=472

Cyst Nematode Population at Planting: 131 Eggs/100cc of Soil

Rainfall: May=4.1, June=3.3, July=8.6, Aug.=2.0, Sept.=9.4 Total=27.4

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield	
		Maturity Date	Plant Height (in)	Lodging Score	2008	2 Yr. Mean
<b>MATURITY GROUP 3</b>						
High Yield Check 5	--	10-11	36	2	62.5**	--
MPG 415CN	7	10-11	36	1	58.2	--
High Yield Check 6	--	10-10	30	1	57.9	--
High Yield Check 4	--	10-09	34	1	56.2	--
MPV 4238N	7	10-11	36	1	54.6	--
Schillinger 435.TCS	3	10-10	28	1	52.4	--
<b>GROUP 3 AVERAGE</b>		<b>10-10</b>	<b>33</b>	<b>1</b>	<b>57.0</b>	<b>--</b>
<b>L.S.D. AT .10</b>					<b>1.9</b>	<b>--</b>
<b>C.V. %</b>					<b>2.6</b>	<b>--</b>

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 19. Non-Glyphosate Resistant / Special Traits Soybean Test**

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.6, OM=1.9%, P=100, K=244

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=8.1, June=4.9, July=10.7, Aug.=1.3, Sept.=11.4 Total=36.4

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield	
		Maturity Date	Plant Height (in)	Lodging Score	2008	2 Yr. Mean
<b>MATURITY GROUP 3</b>						
High Yield Check 5	--	10-13	31	2	74.5**	--
High Yield Check 6	--	10-12	33	1	73.6*	--
MPG 415CN	7	10-11	35	1	73.4*	--
High Yield Check 4	--	10-13	33	2	70.0	--
Schillinger 435.TCS	3	10-08	31	1	65.9	--
MPV 4238N	7	10-11	33	1	63.9	--
<b>GROUP 3 AVERAGE</b>		<b>10-11</b>	<b>33</b>	<b>1</b>	<b>70.2</b>	<b>--</b>
<b>L.S.D. AT .10</b>					<b>3.0</b>	
<b>C.V. %</b>					<b>3.4</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 20. Non-Glyphosate Resistant / Special Traits Soybean Test**

Central Region: Annada, MO (Pike County)

Soil Type: Tice Silt Loam    Soil Test: pH=5.6, OM=2.1%, P=104, K=322

Cyst Nematode Population at Planting: 266 Eggs/100cc of Soil

Rainfall: May=5.9, June=5.1, July=11.8, Aug.=1.6, Sept.=11.7 Total=36.1

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield	
		Maturity Date	Plant Height (in)	Lodging Score	2008	2 Yr. Mean
<b>MATURITY GROUP 3</b>						
High Yield Check 6	--	9-26	34	2	53.8**	--
Schillinger 435.TCS	3	9-27	35	3	47.4*	--
MPV 4238N	7	9-27	37	2	46.2*	--
High Yield Check 5	--	9-22	34	3	43.0	--
High Yield Check 4	--	9-21	38	2	42.5	--
MPG 415CN	7	9-25	36	3	38.3	--
<b>GROUP 3 AVERAGE</b>		<b>9-25</b>	<b>36</b>	<b>2</b>	<b>45.2</b>	<b>--</b>
<b>L.S.D. AT .10</b>					<b>8.7</b>	
<b>C.V. %</b>					<b>15.6</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxytrobilin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxytrobilin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

TABLE 21. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Four Central Missouri locations (Grand Pass, Columbia, Truxton, Annada) during 2008.

Grand Pass  
 Planted: 5-13  
 Harvested: 10-21  
 Growing Season Rainfall: 27.7  
 Irrigation:

Columbia  
 Planted: 6-12  
 Harvested: 10-17  
 Growing Season Rainfall: 27.4  
 Irrigation:

Truxton  
 Planted: 6-12  
 Harvested: 10-22  
 Growing Season Rainfall: 36.4  
 Irrigation:

Annada  
 Planted: 5-5  
 Harvested: 10-10  
 Growing Season Rainfall: 36.1  
 Irrigation:

Brand-Variety	Yield (Bu/Acre)				Mean
	Grand Pass	Columbia	Truxton	Annada	
<b>MATURITY GROUP 3</b>					
High Yield Check 6	62.1	57.9	73.6*	53.8**	61.8**
High Yield Check 5	64.0	62.5**	74.5**	43.0	61.0*
High Yield Check 4	71.6**	56.2	70.0	42.5	60.1*
MPG 415CN	57.7	58.2	73.4*	38.3	56.9
Schillinger 435.TCS	60.8	52.4	65.9	47.4*	56.6
MPV 4238N	56.5	54.6	63.9	46.2*	55.3
<b>GROUP 3 AVERAGE</b>	<b>62.1</b>	<b>57.0</b>	<b>70.2</b>	<b>45.2</b>	<b>58.6</b>
<b>L.S.D. AT .10</b>	<b>7.0</b>	<b>1.9</b>	<b>3.0</b>	<b>8.7</b>	<b>2.8</b>
<b>C.V. %</b>	<b>9.0</b>	<b>2.6</b>	<b>3.4</b>	<b>15.6</b>	<b>7.7</b>

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

## 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.

Yields at all five Southwest Region locations were about average, even though rainfall was 55% above normal for the growing season. Planting (or replanting as the case may be) was delayed until the third week in June for all sites due to heavy rainfall. All of the sites except Urich were initially planted in May, but the wet weather hindered stand establishment and they were replanted in June.

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 = 72.0 degrees, 0.2 degrees below normal

Average precipitation = 35.7", 12.7" above normal

Table 22. Southwest Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide	
			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre	Post
<i>Glyphosate Resistant Soybean Tests</i>								
Harrisonville	06-20	11-03, 11-04	0	80	60	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Adrian	06-25	11-05	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Urich	06-25	11-05	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	
Nevada	06-21	10-30	26	68	82	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
Lamar	06-21	10-29	15	35	45	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Roundup WeatherMax
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Harrisonville	06-20	11-04	0	80	60	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	Select
Adrian	06-25	11-05	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	
Urich	06-25	11-05	0	0	0	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	
Nevada	06-21	10-30	26	68	82	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	
Lamar	06-21	10-29	15	35	45	No-till	Dual II Magnum, FirstRate, Authority, Roundup WeatherMax	

**TABLE 23. Glyphosate Resistant Soybean Test**

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=6.8, OM=2.5%, P=204, K=728

Cyst Nematode Population at Planting: 656 Eggs/100cc of Soil

Rainfall: May=4.4, June=9.6, July=4.3, Aug.=1.4, Sept.=6.9 Total=26.7 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Dyna-Gro SXO8137	3	10-08	35	1	63.6**	--	--
Willcross RR2397N	1, 7	10-06	42	2	60.7*	--	--
Dyna-Gro 35G38	3	10-08	40	1	57.6	46.4	52.0
Dyna-Gro 35Y36	3	10-04	36	1	55.5	47.8	51.7
Dyna-Gro 38R33	3	10-02	40	3	54.6	--	--
Kruger K-384RR/SCN	None	10-06	37	1	53.4	51.8*	52.6
Dyna-Gro 33C32	3	10-03	36	2	53.2	--	--
Dyna-Gro 32X39	3	10-07	40	2	53.1	52.4*	52.8
Dyna-Gro 33A37	3	10-02	36	2	51.3	--	--
Dyna-Gro 32C38	3	10-05	35	2	49.0	--	--
Kruger K-372RR/SCN	None	10-04	38	1	45.7	--	--
Dyna-Gro 35F37	3	10-04	37	1	42.8	52.4*	47.6
<b>GROUP 3 AVERAGE</b>		<b>10-05</b>	<b>38</b>	<b>2</b>	<b>53.4</b>	<b>49.4</b>	<b>51.4</b>
<b>L.S.D. AT .10</b>					<b>4.6</b>	<b>4.0</b>	
<b>C.V. %</b>					<b>7.2</b>	<b>6.7</b>	

**MATURITY GROUP 4**

Midland MG 4768NRR	7	10-10	40	2	70.7**	51.5*	61.1
Mersch. Santa Fe 945RR	1, 7, 11	10-12	33	1	68.8*	--	--
Mersch. Memphis 943RR	1, 7, 11	10-11	34	1	68.5*	--	--
Stone 3A449NRR/STS	4	10-11	36	2	68.2*	--	--
Willcross RR2440NSTS	1, 7	10-11	31	1	67.6*	--	--
Willcross RR2477NSTS	1, 7	10-10	43	2	67.3*	--	--
Morsoy RT 4707N	4	10-12	40	2	67.1*	--	--
Asgrow DKB46-51	Untreated	10-11	40	3	66.9*	49.4	58.2
Pioneer 94M80	4	10-12	44	2	66.4*	46.7	56.6
MPG 4509nRR/STS	7	10-11	35	1	66.3*	--	--
Asgrow AG4303	2	10-10	37	1	66.0*	--	--
MPG 4406nRR	7	10-11	42	2	65.4*	52.2*	58.8
Willcross RR2460NS	1, 7	10-11	38	2	65.2*	53.4*	59.3
NK S49-Q9	4	10-14	43	2	65.1*	51.7*	58.4
Asgrow AG4907	Untreated	10-13	42	2	65.0	--	--
Morsoy RTS 4824	4	10-12	36	1	64.9	49.5	57.2
Asgrow AG4703	2	10-12	31	1	64.7	50.8*	57.8
Morsoy RT 4485N	4	10-13	40	2	64.3	51.9*	58.1
Midland MG 4829NRS	7	10-14	42	3	64.2	--	--
Dyna-Gro 36C44	3	10-11	38	2	64.1	--	--
Dyna-Gro SXO8341	3	10-10	35	1	63.9	--	--
Mersch. Houston 747RR	1, 7, 11	10-12	38	2	63.9	48.6	56.3
Mersch. Nashville 749RR	1, 7, 11	10-12	38	1	63.9	48.7	56.3
NC+ 4A81RS	Untreated	10-13	38	1	63.8	--	--
Willcross RR2490NSTS	1, 7	10-14	42	2	63.8	--	--
Dyna-Gro 33A40	3	10-10	34	1	63.6	--	--



TABLE 23. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Kruger K-476RR/SCN	None	10-14	34	2	63.5	50.9*	57.2
Midwest Seed Gen. GR4831	Untreated	10-11	39	2	63.2	--	--
Kruger K-417RR/SCN	None	10-09	37	1	62.7	--	--
MPG 4707nRR/STS	7	10-09	32	1	62.3	50.4*	56.4
NK S43-N6 Brand	4	10-10	35	2	62.1	--	--
Dyna-Gro 38C42	3	10-10	38	2	62.1	--	--
Midland MG 4477NRR	7	10-14	40	3	61.8	--	--
Asgrow AG4005	2	10-10	39	2	61.6	--	--
Dyna-Gro 36Y48	3	10-16	41	3	61.5	48.6	55.1
Kruger K-439RR/SCN	None	10-06	32	1	61.3	--	--
Dyna-Gro SXO8940	3	10-09	32	1	61.1	--	--
Willcross RR2450N	1, 7	10-13	36	1	61.0	--	--
Morsoy RT 4457N	4	10-11	35	2	60.9	--	--
Midwest Seed Gen. GR4531	Untreated	10-11	43	3	60.9	48.5	54.7
Pioneer 94Y20	4	10-09	42	2	60.5	--	--
Pioneer 94Y01	4	10-07	41	3	60.5	--	--
Dyna-Gro 32R46	3	10-13	33	1	60.4	51.4*	55.9
Schillinger 478.RCS	Untreated	10-16	39	3	60.2	--	--
Schillinger 457.RCP	Untreated	10-11	43	3	59.9	--	--
Dyna-Gro 33Y45	3	10-10	38	2	59.9	--	--
Willcross RR2484N	1, 7	10-11	43	2	59.7	--	--
Willcross RR2470NSTS	1, 7	10-11	41	2	59.6	--	--
Stine 4782-4	Untreated	10-14	31	1	59.4	48.9	54.2
Schillinger 495.RC	Untreated	10-15	40	3	59.3	54.0**	56.7
Asgrow AG4903	Untreated	10-13	37	1	59.2	51.2*	55.2
NK S41-R6 Brand	4	10-11	37	2	58.7	--	--
Kruger K-489RR/SCN	None	10-11	37	1	58.4	--	--
Willcross RR2498NSTS	1, 7	10-16	45	3	58.1	--	--
NK S44-D5 Brand	4	10-12	41	2	57.7	--	--
Kruger K-428RR/SCN	None	10-08	37	3	56.6	--	--
MPG 4907nRR/STS	7	10-15	38	3	55.2	49.1	52.2
NK S47-D9 Brand	4	10-12	39	2	54.8	--	--
Morsoy RTS 4718N	4	10-11	37	2	54.2	--	--
MPG 4808RR	7	10-12	42	2	54.1	--	--
Morsoy RT 4987N	4	10-14	33	1	53.9	--	--
Dyna-Gro 35D44	3	10-10	36	1	53.8	45.7	49.8
Asgrow AG4705	2	10-13	44	3	53.7	--	--
Asgrow AG4606	2	10-12	34	1	53.7	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-12</b>	<b>38</b>	<b>2</b>	<b>61.8</b>	<b>49.3</b>	<b>55.6</b>
<b>L.S.D. AT .10</b>					<b>5.6</b>	<b>3.9</b>	
<b>C.V. %</b>					<b>6.5</b>	<b>5.8</b>	

TABLE 23. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 5</b>							
Willcross RR2544NSTS	1, 7	10-20	41	3	57.8**	50.4*	54.1
MPG 5505nRR/STS	7	10-20	40	3	57.1*	48.9	53.0
MPG 5407nRR	7	10-14	43	3	55.8*	50.2*	53.0
Willcross RR2547N	1, 7	10-15	44	3	54.2	--	--
MPG 5308nRR	7	10-18	43	3	54.2	--	--
Morsoy RT 5154N	4	10-15	43	3	51.8	50.8*	51.3
Willcross RR2507NSTS	1, 7	10-14	43	3	51.2	--	--
Schillinger 557.RC	Untreated	10-21	42	3	50.8	52.2**	51.5
Pioneer 95Y20	4	10-21	43	3	48.2	--	--
<b>GROUP 5 AVERAGE</b>		<b>10-18</b>	<b>42</b>	<b>3</b>	<b>53.5</b>	<b>49.6</b>	<b>51.6</b>
<b>L.S.D. AT .10</b>					<b>3.4</b>	<b>2.7</b>	
<b>C.V. %</b>					<b>5.2</b>	<b>4.4</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 24. Glyphosate Resistant Soybean Test**

Southwest Region: Adrian, MO (Bates County)

Soil Type: Kenoma Silt Loam Soil Test: pH=5.7, OM=1.5%, P=22, K=200

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=11.9, June=9.2, July=2.6, Aug.=1.7, Sept.=8.7 Total=34.0 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Kruger K-384RR/SCN	None	10-03	26	1	41.1**	39.6*	40.4
Willcross RR2397N	1, 7	10-02	30	1	40.9*	--	--
Dyna-Gro 32X39	3	10-02	26	1	40.7*	39.4*	40.1
Dyna-Gro 32C38	3	10-03	26	1	38.5*	--	--
Kruger K-372RR/SCN	None	10-05	26	1	37.7	--	--
Dyna-Gro 35G38	3	10-01	27	1	36.8	34.4	35.6
Dyna-Gro 33A37	3	9-30	26	1	36.3	--	--
Dyna-Gro SXO8137	3	10-01	25	1	35.7	--	--
Dyna-Gro 38R33	3	9-29	28	1	35.1	--	--
Dyna-Gro 35Y36	3	10-02	27	1	34.1	34.1	34.1
Dyna-Gro 35F37	3	10-03	27	1	33.1	40.7**	36.9
Dyna-Gro 33C32	3	9-28	27	1	31.4	--	--
<b>GROUP 3 AVERAGE</b>		<b>10-02</b>	<b>27</b>	<b>1</b>	<b>36.8</b>	<b>37.7</b>	<b>37.3</b>
<b>L.S.D. AT .10</b>					<b>3.2</b>	<b>2.4</b>	
<b>C.V. %</b>					<b>7.2</b>	<b>5.4</b>	

**MATURITY GROUP 4**

Asgrow AG4907	Untreated	10-11	31	1	53.5**	--	--
Morsoy RT 4485N	4	10-11	32	1	51.0*	35.3	43.2
Asgrow AG4606	2	10-12	27	1	50.2*	--	--
Midland MG 4768NRR	7	10-10	29	1	49.8	39.0*	44.4
Willcross RR2470NSTS	1, 7	10-10	27	1	49.6	--	--
Asgrow AG4703	2	10-11	28	1	49.5	41.1**	45.3
Kruger K-489RR/SCN	None	10-10	26	1	49.5	--	--
Asgrow DKB46-51	Untreated	10-10	30	1	49.2	39.4*	44.3
Morsoy RTS 4718N	4	10-08	27	1	48.9	--	--
MPG 4406nRR	7	10-10	33	1	48.5	38.7*	43.6
Mersch. Houston 747RR	1, 7, 11	10-14	25	1	48.5	36.9	42.7
Mersch. Memphis 943RR	1, 7, 11	10-10	22	1	48.4	--	--
Midland MG 4477NRR	7	10-11	27	1	48.4	--	--
Morsoy RT 4707N	4	10-09	27	1	48.3	--	--
Midwest Seed Gen. GR4831	Untreated	10-11	27	1	48.2	--	--
Asgrow AG4005	2	10-07	29	1	48.1	--	--
NC+ 4A81RS	Untreated	10-12	27	1	48.0	--	--
Kruger K-417RR/SCN	None	10-08	25	1	47.9	--	--
Willcross RR2484N	1, 7	10-10	27	1	47.8	--	--
NK S49-Q9	4	10-13	30	1	47.8	38.3*	43.1
NK S44-D5 Brand	4	10-11	26	1	47.7	--	--
Pioneer 94M80	4	10-10	33	1	47.6	38.1	42.9
Mersch. Nashville 749RR	1, 7, 11	10-10	26	1	47.3	40.1*	43.7
Morsoy RTS 4824	4	10-11	27	1	47.3	40.5*	43.9
Asgrow AG4903	Untreated	10-15	25	1	47.0	41.0*	44.0
Midland MG 4829NRS	7	10-10	28	1	47.0	--	--

TABLE 24. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Willcross RR2477NSTS	1, 7	10-07	26	1	46.8	--	--
Willcross RR2490NSTS	1, 7	10-11	26	1	46.8	--	--
Midwest Seed Gen. GR4531	Untreated	10-05	33	1	46.6	39.1*	42.9
MPG 4707nRR/STS	7	10-07	27	1	46.3	39.3*	42.8
Morsoy RT 4457N	4	10-07	28	1	45.8	--	--
Schillinger 495.RC	Untreated	10-12	30	1	45.6	39.9*	42.8
Pioneer 94Y20	4	10-05	31	1	45.6	--	--
Stone 3A449NRR/STS	4	10-11	23	1	45.5	--	--
MPG 4808RR	7	10-10	35	1	45.4	--	--
Willcross RR2460NS	1, 7	10-10	28	1	45.3	40.5*	42.9
Asgrow AG4303	2	10-08	25	1	45.2	--	--
Dyna-Gro 36Y48	3	10-12	30	1	45.2	35.6	40.4
Willcross RR2450N	1, 7	10-11	23	1	45.1	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-10	26	1	45.0	--	--
Willcross RR2440NSTS	1, 7	10-09	24	1	44.5	--	--
Dyna-Gro 32R46	3	10-13	22	1	44.5	40.8*	42.7
Dyna-Gro SXO8341	3	10-08	25	1	44.3	--	--
Dyna-Gro 36C44	3	10-09	24	1	44.3	--	--
Pioneer 94Y01	4	10-05	31	1	44.1	--	--
Dyna-Gro 38C42	3	10-10	25	1	43.7	--	--
MPG 4509nRR/STS	7	10-06	26	1	43.3	--	--
Stine 4782-4	Untreated	10-11	24	1	43.3	37.1	40.2
Dyna-Gro 33Y45	3	10-10	28	1	43.3	--	--
Schillinger 478.RCS	Untreated	10-11	29	1	42.7	--	--
MPG 4907nRR/STS	7	10-14	27	1	42.5	38.5*	40.5
Willcross RR2498NSTS	1, 7	10-11	26	1	42.4	--	--
Dyna-Gro 33A40	3	10-10	26	1	42.3	--	--
Schillinger 457.RCP	Untreated	10-09	30	1	42.0	--	--
Kruger K-476RR/SCN	None	10-13	26	1	41.9	37.1	39.5
Morsoy RT 4987N	4	10-12	26	1	41.4	--	--
NK S47-D9 Brand	4	10-10	30	1	41.3	--	--
Asgrow AG4705	2	10-08	29	1	41.3	--	--
NK S43-N6 Brand	4	10-09	32	1	40.6	--	--
Dyna-Gro SXO8940	3	10-04	25	1	40.1	--	--
Kruger K-428RR/SCN	None	10-03	26	1	40.1	--	--
NK S41-R6 Brand	4	10-04	24	1	40.0	--	--
Dyna-Gro 35D44	3	10-08	28	1	39.7	35.4	37.6
Kruger K-439RR/SCN	None	10-02	24	1	39.7	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-10</b>	<b>27</b>	<b>1</b>	<b>45.6</b>	<b>37.6</b>	<b>41.6</b>
<b>L.S.D. AT .10</b>					<b>3.5</b>	<b>2.8</b>	
<b>C.V. %</b>					<b>5.4</b>	<b>5.4</b>	

TABLE 24. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 5</b>							
Schillinger 557.RC	Untreated	10-20	27	1	49.2**	45.8*	47.5
MPG 5505nRR/STS	7	10-19	30	1	48.0*	44.1*	46.1
Pioneer 95Y20	4	10-19	34	1	47.3*	--	--
Willcross RR2544NSTS	1, 7	10-16	32	1	47.2*	46.7**	47.0
MPG 5308nRR	7	10-19	35	2	46.6*	--	--
Willcross RR2547N	1, 7	10-12	35	1	46.6*	--	--
MPG 5407nRR	7	10-11	33	1	46.2*	41.6	43.9
Morsoy RT 5154N	4	10-14	32	1	45.5*	43.0	44.3
Willcross RR2507NSTS	1, 7	10-14	29	1	41.6	--	--
<b>GROUP 5 AVERAGE</b>		<b>10-16</b>	<b>32</b>	<b>1</b>	<b>46.5</b>	<b>42.8</b>	<b>44.7</b>
<b>L.S.D. AT .10</b>					<b>3.7</b>	<b>3.2</b>	
<b>C.V. %</b>					<b>6.5</b>	<b>6.1</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 25. Glyphosate Resistant Soybean Test**

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=6.1, OM=2.1%, P=40, K=210

Cyst Nematode Population at Planting: 597 Eggs/100cc of Soil

Rainfall: May=7.0, June=10.4, July=4.0, Aug.=0.7, Sept.=15.0 Total=37.0 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Kruger K-384RR/SCN	None	10-08	28	1	56.0**	48.6*	52.3
Kruger K-372RR/SCN	None	10-08	27	1	53.2*	--	--
Dyna-Gro 35F37	3	10-08	27	1	52.0	52.0**	52.0
Dyna-Gro 35G38	3	10-08	29	1	51.2	39.2	45.2
Dyna-Gro 35Y36	3	10-08	26	1	50.9	40.7	45.8
Dyna-Gro SXO8137	3	10-07	27	1	50.5	--	--
Willcross RR2397N	1, 7	10-06	32	1	50.2	--	--
Dyna-Gro 32C38	3	10-08	25	1	50.0	--	--
Dyna-Gro 33C32	3	9-30	26	1	48.4	--	--
Dyna-Gro 32X39	3	10-06	27	1	48.1	41.4	44.8
Dyna-Gro 38R33	3	10-03	28	1	48.0	--	--
Dyna-Gro 33A37	3	10-04	27	1	45.8	--	--
<b>GROUP 3 AVERAGE</b>		<b>10-06</b>	<b>27</b>	<b>1</b>	<b>50.4</b>	<b>43.8</b>	<b>47.1</b>
<b>L.S.D. AT .10</b>					<b>3.9</b>	<b>5.7</b>	
<b>C.V. %</b>					<b>6.4</b>	<b>10.9</b>	

**MATURITY GROUP 4**

Willcross RR2484N	1, 7	10-10	29	1	61.2**	--	--
NC+ 4A81RS	Untreated	10-13	26	1	59.6*	--	--
Morsoy RTS 4718N	4	10-12	27	1	59.3*	--	--
Asgrow AG4907	Untreated	10-14	29	1	59.1*	--	--
Morsoy RTS 4824	4	10-14	28	1	58.9*	45.9	52.4
Kruger K-489RR/SCN	None	10-13	29	1	58.7*	--	--
Mersch. Nashville 749RR	1, 7, 11	10-13	27	1	58.0*	47.3*	52.7
Midland MG 4768NRR	7	10-13	28	1	58.0*	45.7	51.9
Dyna-Gro 32R46	3	10-12	25	1	57.7*	48.8*	53.3
MPG 4707nRR/STS	7	10-10	26	1	57.6*	52.0**	54.8
Mersch. Houston 747RR	1, 7, 11	10-14	25	1	57.5*	47.8*	52.7
NK S47-D9 Brand	4	10-15	26	1	57.4*	--	--
Asgrow AG4903	Untreated	10-18	27	1	57.1	47.8*	52.5
Willcross RR2460NS	1, 7	10-13	27	1	56.9	45.9	51.4
Willcross RR2470NSTS	1, 7	10-14	30	1	56.6	--	--
Midwest Seed Gen. GR4831	Untreated	10-13	26	1	56.6	--	--
NK S44-D5 Brand	4	10-14	26	1	56.6	--	--
Morsoy RT 4707N	4	10-13	28	1	56.6	--	--
Asgrow AG4606	2	10-14	30	1	56.5	--	--
Dyna-Gro 36Y48	3	10-15	29	1	56.4	44.0	50.2
Morsoy RT 4485N	4	10-13	32	1	56.2	45.9	51.1
Dyna-Gro 36C44	3	10-11	23	1	56.1	--	--
Willcross RR2440NSTS	1, 7	10-13	23	1	56.0	--	--
Midland MG 4477NRR	7	10-15	25	1	55.9	--	--
Stone 3A449NRR/STS	4	10-10	23	1	55.8	--	--
MPG 4406nRR	7	10-14	29	1	55.8	44.7	50.3

TABLE 25. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Morsoy RT 4457N	4	10-11	25	1	55.5	--	--
Schillinger 495.RC	Untreated	10-16	28	1	55.4	48.1*	51.8
NK S41-R6 Brand	4	10-10	29	1	55.4	--	--
NK S43-N6 Brand	4	10-13	29	1	55.1	--	--
Dyna-Gro 33Y45	3	10-12	26	1	55.1	--	--
Willcross RR2490NSTS	1, 7	10-16	27	1	54.9	--	--
Pioneer 94M80	4	10-13	30	1	54.9	45.9	50.4
Dyna-Gro SXO8341	3	10-10	24	1	54.8	--	--
Asgrow DKB46-51	Untreated	10-12	26	1	54.7	48.8*	51.8
Morsoy RT 4987N	4	10-15	28	1	54.7	--	--
Kruger K-476RR/SCN	None	10-15	25	1	54.6	50.0*	52.3
Kruger K-428RR/SCN	None	10-09	27	1	54.5	--	--
Dyna-Gro SXO8940	3	10-08	26	1	54.5	--	--
Kruger K-417RR/SCN	None	10-11	26	1	54.3	--	--
Asgrow AG4005	2	10-10	26	1	54.3	--	--
Midland MG 4829NRS	7	10-14	28	1	54.1	--	--
Willcross RR2477NSTS	1, 7	10-08	24	1	54.0	--	--
Mersch. Memphis 943RR	1, 7, 11	10-11	23	1	54.0	--	--
Asgrow AG4703	2	10-13	24	1	53.9	49.4*	51.7
Midwest Seed Gen. GR4531	Untreated	10-11	29	1	53.8	45.5	49.7
Dyna-Gro 38C42	3	10-12	24	1	53.6	--	--
Asgrow AG4303	2	10-11	24	1	53.6	--	--
Stine 4782-4	Untreated	10-18	23	1	53.6	48.5*	51.1
Schillinger 478.RCS	Untreated	10-15	27	1	53.5	--	--
MPG 4808RR	7	10-13	33	1	53.5	--	--
MPG 4907nRR/STS	7	10-15	29	1	53.3	47.2*	50.3
Willcross RR2498NSTS	1, 7	10-15	30	1	53.3	--	--
Pioneer 94Y20	4	10-10	29	1	52.9	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-12	24	1	52.7	--	--
NK S49-Q9	4	10-14	32	1	52.7	45.7	49.2
Willcross RR2450N	1, 7	10-12	27	1	52.3	--	--
MPG 4509nRR/STS	7	10-11	27	1	52.0	--	--
Dyna-Gro 35D44	3	10-11	27	1	51.1	38.4	44.8
Kruger K-439RR/SCN	None	10-04	24	1	51.0	--	--
Pioneer 94Y01	4	10-09	28	1	50.6	--	--
Asgrow AG4705	2	10-12	31	1	50.1	--	--
Schillinger 457.RCP	Untreated	10-12	31	1	48.8	--	--
Dyna-Gro 33A40	3	10-09	28	1	47.4	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-12</b>	<b>27</b>	<b>1</b>	<b>55.0</b>	<b>45.9</b>	<b>50.5</b>
<b>L.S.D. AT .10</b>					<b>4.0</b>	<b>5.0</b>	
<b>C.V. %</b>					<b>5.1</b>	<b>7.7</b>	

TABLE 25. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 5</b>							
Morsoy RT 5154N	4	10-17	35	1	57.9**	46.7	52.3
Willcross RR2547N	1, 7	10-18	35	2	54.0	--	--
Willcross RR2544NSTS	1, 7	10-22	33	2	54.0	47.4**	50.7
MPG 5407nRR	7	10-18	35	1	53.9	45.1	49.5
Willcross RR2507NSTS	1, 7	10-16	31	1	53.5	--	--
MPG 5505nRR/STS	7	10-21	35	2	53.1	46.6	49.9
Schillinger 557.RC	Untreated	10-22	31	1	51.2	43.8	47.5
Pioneer 95Y20	4	10-22	30	1	49.2	--	--
MPG 5308nRR	7	10-22	37	3	47.0	--	--
<b>GROUP 5 AVERAGE</b>		<b>10-20</b>	<b>34</b>	<b>2</b>	<b>52.6</b>	<b>44.7</b>	<b>48.7</b>
<b>L.S.D. AT .10</b>					<b>2.7</b>	<b>NS</b>	
<b>C.V. %</b>					<b>4.3</b>	<b>7.4</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)



**TABLE 26. Glyphosate Resistant Soybean Test**

Southwest Region: Nevada, MO (Vernon County)

Soil Type: Parson Silt Loam Soil Test: pH=6.4, OM=2.2%, P=34, K=224

Cyst Nematode Population at Planting: 8691 Eggs/100cc of Soil

Rainfall: May=13.0, June=13.3, July=5.7, Aug.=1.6, Sept.=11.9 Total=45.6 in.

Irrigation: 2 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Willcross RR2397N	1, 7	10-04	28	1	45.6**	--	--
Kruger K-384RR/SCN	None	10-05	26	1	44.2*	54.2	49.2
Dyna-Gro 35Y36	3	10-02	23	1	42.0*	58.6**	50.3
Dyna-Gro SXO8137	3	10-05	24	1	41.4*	--	--
Dyna-Gro 33A37	3	9-30	26	1	40.2	--	--
Dyna-Gro 32C38	3	10-03	24	1	39.8	--	--
Dyna-Gro 32X39	3	10-01	23	1	39.0	49.7	44.4
Dyna-Gro 38R33	3	9-29	27	1	38.0	--	--
Dyna-Gro 35G38	3	10-04	24	1	36.8	49.4	43.1
Kruger K-372RR/SCN	None	10-03	23	1	35.6	--	--
Dyna-Gro 35F37	3	10-03	25	1	33.4	56.2*	44.8
Dyna-Gro 33C32	3	9-29	22	1	29.2	--	--
<b>GROUP 3 AVERAGE</b>		<b>10-02</b>	<b>25</b>	<b>1</b>	<b>38.8</b>	<b>53.1</b>	<b>46.0</b>
<b>L.S.D. AT .10</b>					<b>4.3</b>	<b>3.5</b>	
<b>C.V. %</b>					<b>9.3</b>	<b>5.4</b>	

**MATURITY GROUP 4**

Asgrow AG4907	Untreated	10-12	29	1	55.1**	--	--
MPG 4406nRR	7	10-10	32	1	54.3*	61.9*	58.1
Willcross RR2470NSTS	1, 7	10-11	29	1	54.1*	--	--
Morsoy RTS 4718N	4	10-10	27	1	54.0*	--	--
Midland MG 4477NRR	7	10-09	27	1	53.3*	--	--
Morsoy RT 4707N	4	10-10	30	1	53.2*	--	--
Midland MG 4829NRS	7	10-10	28	1	53.1*	--	--
Morsoy RT 4485N	4	10-11	29	1	53.1*	62.0*	57.6
Kruger K-489RR/SCN	None	10-10	27	1	52.8*	--	--
Midland MG 4768NRR	7	10-11	28	1	52.2*	60.5*	56.4
Dyna-Gro 36Y48	3	10-12	27	1	50.7	61.5*	56.1
Schillinger 478.RCS	Untreated	10-13	24	1	50.6	--	--
MPG 4707nRR/STS	7	10-06	26	1	49.9	59.8*	54.9
Mersch. Santa Fe 945RR	1, 7, 11	10-11	26	1	49.8	--	--
Morsoy RT 4457N	4	10-08	27	1	49.2	--	--
NK S44-D5 Brand	4	10-10	28	1	48.9	--	--
Asgrow AG4606	2	10-10	27	1	48.8	--	--
MPG 4509nRR/STS	7	10-09	24	1	48.7	--	--
Asgrow AG4703	2	10-10	24	1	48.6	58.9	53.8
Willcross RR2490NSTS	1, 7	10-15	29	1	48.6	--	--
Asgrow AG4903	Untreated	10-13	29	1	48.6	62.0*	55.3
Asgrow AG4303	2	10-11	24	1	48.4	--	--
Dyna-Gro 36C44	3	10-10	25	1	48.3	--	--
Willcross RR2460NS	1, 7	10-10	28	1	48.3	58.8	53.6
Willcross RR2477NSTS	1, 7	10-09	25	1	48.1	--	--
Asgrow DKB46-51	Untreated	10-10	28	1	48.0	58.6	53.3

TABLE 26. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Morsoy RT 4987N	4	10-10	27	1	47.7	--	--
Morsoy RTS 4824	4	10-11	25	1	47.5	58.0	52.8
NK S43-N6 Brand	4	10-09	30	1	47.5	--	--
Dyna-Gro 38C42	3	10-09	26	1	47.4	--	--
Midwest Seed Gen. GR4531	Untreated	10-08	29	1	47.2	63.2*	55.2
Willcross RR2484N	1, 7	10-09	28	1	47.1	--	--
Schillinger 457.RCP	Untreated	10-08	30	1	47.1	--	--
Willcross RR2498NSTS	1, 7	10-13	28	1	46.8	--	--
NK S41-R6 Brand	4	10-08	23	1	46.8	--	--
Mersch. Nashville 749RR	1, 7, 11	10-10	26	1	46.5	53.4	50.0
Stone 3A449NRR/STS	4	10-12	24	1	46.2	--	--
Pioneer 94Y01	4	10-05	29	1	46.2	--	--
Mersch. Memphis 943RR	1, 7, 11	10-09	24	1	46.0	--	--
Dyna-Gro SXO8341	3	10-08	25	1	45.8	--	--
Asgrow AG4705	2	10-10	26	1	45.5	--	--
Asgrow AG4005	2	10-05	29	1	45.4	--	--
Willcross RR2440NSTS	1, 7	10-09	24	1	45.3	--	--
Pioneer 94Y20	4	10-06	32	1	45.0	--	--
NK S49-Q9	4	10-12	28	1	44.9	54.3	49.6
Schillinger 495.RC	Untreated	10-12	29	1	44.9	60.7*	52.8
Kruger K-428RR/SCN	None	10-04	24	1	44.6	--	--
Kruger K-417RR/SCN	None	10-08	27	1	44.3	--	--
Willcross RR2450N	1, 7	10-11	26	1	44.1	--	--
Mersch. Houston 747RR	1, 7, 11	10-11	24	1	43.6	60.1*	51.9
Dyna-Gro 33A40	3	10-09	27	1	43.6	--	--
Pioneer 94M80	4	10-09	27	1	43.5	51.5	47.5
Dyna-Gro 33Y45	3	10-07	24	1	43.5	--	--
Midwest Seed Gen. GR4831	Untreated	10-13	27	1	43.4	--	--
Dyna-Gro 35D44	3	10-06	27	1	43.3	53.6	48.5
MPG 4907nRR/STS	7	10-15	29	1	43.1	64.6**	53.9
NC+ 4A81RS	Untreated	10-15	26	1	43.0	--	--
NK S47-D9 Brand	4	10-11	26	1	42.8	--	--
Dyna-Gro 32R46	3	10-10	24	1	42.5	56.1	49.3
Kruger K-476RR/SCN	None	10-11	26	1	42.3	58.1	50.2
Kruger K-439RR/SCN	None	10-05	21	1	41.7	--	--
MPG 4808RR	7	10-10	35	1	41.5	--	--
Dyna-Gro SXO8940	3	10-03	25	1	41.1	--	--
Stine 4782-4	Untreated	10-10	22	1	40.1	56.2	48.2
<b>GROUP 4 AVERAGE</b>		<b>10-10</b>	<b>27</b>	<b>1</b>	<b>47.1</b>	<b>58.0</b>	<b>52.6</b>
<b>L.S.D. AT .10</b>					<b>4.1</b>	<b>4.9</b>	
<b>C.V. %</b>					<b>6.3</b>	<b>5.9</b>	

TABLE 26. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 5</b>							
MPG 5308nRR	7	10-18	33	2	55.3**	--	--
Willcross RR2544NSTS	1, 7	10-19	27	1	50.3	54.6	52.5
MPG 5505nRR/STS	7	10-19	28	1	49.0	57.0	53.0
Schillinger 557.RC	Untreated	10-20	26	1	48.6	56.0	52.3
Pioneer 95Y20	4	10-18	28	1	46.0	--	--
Morsoy RT 5154N	4	10-15	28	1	43.2	58.3**	50.8
Willcross RR2547N	1, 7	10-17	29	1	41.7	--	--
Willcross RR2507NSTS	1, 7	10-16	27	1	41.5	--	--
MPG 5407nRR	7	10-17	30	1	41.2	56.8	49.0
<b>GROUP 5 AVERAGE</b>		<b>10-18</b>	<b>28</b>	<b>1</b>	<b>46.3</b>	<b>55.3</b>	<b>50.8</b>
<b>L.S.D. AT .10</b>					<b>2.8</b>	<b>NS</b>	
<b>C.V. %</b>					<b>4.9</b>	<b>6.3</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 27. Glyphosate Resistant Soybean Test**

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parsons Silt Loam Soil Test: pH=6.1, OM=1.6%, P=8, K=162

Cyst Nematode Population at Planting: 465 Eggs/100cc of Soil

Rainfall: May=11.8, June=11.3, July=4.5, Aug.=1.7, Sept.=10.4 Total=39.7 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Willcross RR2397N	1, 7	10-06	25	1	36.6**	--	--
Kruger K-384RR/SCN	None	10-03	24	1	31.5	33.5*	32.5
Dyna-Gro 33A37	3	10-01	24	1	31.2	--	--
Dyna-Gro 32C38	3	10-07	19	1	28.9	--	--
Dyna-Gro 32X39	3	10-02	23	1	28.2	32.1	30.2
Dyna-Gro 35Y36	3	10-04	22	1	27.2	24.8	26.0
Dyna-Gro 35G38	3	10-04	21	1	26.8	27.8	27.3
Dyna-Gro SXO8137	3	10-02	18	1	26.6	--	--
Kruger K-372RR/SCN	None	10-05	21	1	26.4	--	--
Dyna-Gro 38R33	3	10-02	22	1	26.0	--	--
Dyna-Gro 33C32	3	9-28	22	1	20.1	--	--
Dyna-Gro 35F37	3	10-04	19	1	18.6	29.6	24.1
<b>GROUP 3 AVERAGE</b>		<b>10-03</b>	<b>22</b>	<b>1</b>	<b>27.3</b>	<b>30.4</b>	<b>28.9</b>
<b>L.S.D. AT .10</b>					<b>3.0</b>	<b>3.1</b>	
<b>C.V. %</b>					<b>9.2</b>	<b>8.5</b>	

**MATURITY GROUP 4**

Midwest Seed Gen. GR4831	Untreated	10-13	29	1	44.1**	--	--
Dyna-Gro SXO8341	3	10-06	24	1	42.5*	--	--
Morsoy RT 4485N	4	10-11	35	1	42.0*	28.5	35.3
MPG 4406nRR	7	10-10	31	1	41.3*	31.3*	36.3
Dyna-Gro 38C42	3	10-07	25	1	40.6*	--	--
Willcross RR2484N	1, 7	10-09	29	1	40.4*	--	--
Willcross RR2477NSTS	1, 7	10-07	24	1	40.2*	--	--
Midland MG 4768NRR	7	10-10	29	1	39.9*	31.9*	35.9
Asgrow AG4705	2	10-10	32	2	39.8*	--	--
Morsoy RTS 4718N	4	10-10	27	1	39.5*	--	--
Midland MG 4477NRR	7	10-11	28	1	39.3*	--	--
NK S49-Q9	4	10-12	30	1	38.1*	32.6*	35.4
Mersch. Houston 747RR	1, 7, 11	10-13	25	1	38.0*	28.9	33.5
Dyna-Gro 36Y48	3	10-13	31	1	37.8*	29.8*	33.8
Mersch. Memphis 943RR	1, 7, 11	10-10	25	1	37.6	--	--
Morsoy RTS 4824	4	10-12	25	1	37.5	32.4*	35.0
Asgrow AG4907	Untreated	10-14	28	1	37.4	--	--
Midwest Seed Gen. GR4531	Untreated	10-08	32	1	37.3	29.6	33.5
Willcross RR2470NSTS	1, 7	10-08	28	1	37.3	--	--
Kruger K-417RR/SCN	None	10-06	23	1	37.2	--	--
Asgrow DKB46-51	Untreated	10-10	28	1	36.9	27.0	32.0
Willcross RR2440NSTS	1, 7	10-09	26	1	36.8	--	--
NC+ 4A81RS	Untreated	10-10	25	1	36.8	--	--
Kruger K-489RR/SCN	None	10-10	28	1	36.5	--	--
Morsoy RT 4707N	4	10-11	28	1	36.5	--	--
NK S44-D5 Brand	4	10-11	24	1	36.3	--	--

TABLE 27. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Morsoy RT 4457N	4	10-10	27	1	36.3	--	--
Asgrow AG4903	Untreated	10-14	26	1	36.3	31.4*	33.9
Pioneer 94Y01	4	10-04	29	1	36.1	--	--
Asgrow AG4606	2	10-09	29	1	35.4	--	--
Asgrow AG4703	2	10-09	23	1	35.3	32.5*	33.9
Midland MG 4829NRS	7	10-11	31	1	35.1	--	--
MPG 4707nRR/STS	7	10-10	27	1	34.8	24.1	29.5
Asgrow AG4303	2	10-10	27	1	34.6	--	--
Dyna-Gro 35D44	3	10-06	27	1	34.5	27.7	31.1
Asgrow AG4005	2	10-01	25	1	33.3	--	--
Kruger K-476RR/SCN	None	10-13	24	1	33.2	26.8	30.0
Schillinger 478.RCS	Untreated	10-11	26	1	33.1	--	--
Willcross RR2490NSTS	1, 7	10-13	27	1	32.9	--	--
Dyna-Gro 33A40	3	10-09	28	1	32.9	--	--
Stone 3A449NRR/STS	4	10-10	25	1	32.9	--	--
Schillinger 457.RCP	Untreated	10-06	29	1	32.9	--	--
Schillinger 495.RC	Untreated	10-11	30	1	32.7	29.4	31.1
Mersch. Santa Fe 945RR	1, 7, 11	10-12	20	1	32.6	--	--
Dyna-Gro 36C44	3	10-07	25	1	32.5	--	--
NK S43-N6 Brand	4	10-09	27	1	32.5	--	--
Dyna-Gro SXO8940	3	10-06	24	1	32.4	--	--
Pioneer 94M80	4	10-12	32	1	32.3	24.4	28.4
Willcross RR2460NS	1, 7	10-09	25	1	32.3	29.3	30.8
Willcross RR2450N	1, 7	10-09	24	1	32.2	--	--
Kruger K-439RR/SCN	None	9-29	22	1	32.2	--	--
Kruger K-428RR/SCN	None	10-03	22	1	32.1	--	--
Mersch. Nashville 749RR	1, 7, 11	10-11	24	1	31.8	22.9	27.4
Pioneer 94Y20	4	10-09	31	1	31.5	--	--
MPG 4509nRR/STS	7	10-09	23	1	30.2	--	--
Dyna-Gro 32R46	3	10-11	23	1	30.0	27.1	28.6
Willcross RR2498NSTS	1, 7	10-13	27	1	29.1	--	--
Dyna-Gro 33Y45	3	10-11	24	1	28.5	--	--
MPG 4808RR	7	10-10	30	1	27.8	--	--
NK S41-R6 Brand	4	10-05	21	1	23.9	--	--
NK S47-D9 Brand	4	10-11	26	1	23.6	--	--
Morsoy RT 4987N	4	10-09	22	1	22.4	--	--
MPG 4907nRR/STS	7	10-13	29	1	22.3	35.1**	28.7
Stine 4782-4	Untreated	10-13	24	1	21.2	22.3	21.8
<b>GROUP 4 AVERAGE</b>		<b>10-10</b>	<b>27</b>	<b>1</b>	<b>34.4</b>	<b>28.7</b>	<b>31.6</b>
<b>L.S.D. AT .10</b>					<b>6.4</b>	<b>5.3</b>	
<b>C.V. %</b>					<b>13.1</b>	<b>12.7</b>	

TABLE 27. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 5</b>							
MPG 5308nRR	7	10-17	30	1	45.6**	--	--
MPG 5505nRR/STS	7	10-19	28	1	38.6	32.8*	35.7
Schillinger 557.RC	Untreated	10-20	27	1	36.4	34.4*	35.4
Willcross RR2544NSTS	1, 7	10-19	28	1	36.1	36.0*	36.1
Morsoy RT 5154N	4	10-13	28	1	34.4	36.4**	35.4
MPG 5407nRR	7	10-11	30	1	34.4	31.9	33.2
Willcross RR2507NSTS	1, 7	10-12	27	1	33.0	--	--
Pioneer 95Y20	4	10-16	27	1	32.8	--	--
Willcross RR2547N	1, 7	10-12	29	1	32.6	--	--
<b>GROUP 5 AVERAGE</b>		<b>10-15</b>	<b>28</b>	<b>1</b>	<b>36.0</b>	<b>33.1</b>	<b>34.6</b>
<b>L.S.D. AT .10</b>					<b>3.5</b>	<b>4.0</b>	
<b>C.V. %</b>					<b>8.1</b>	<b>9.9</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

TABLE 28. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Southwest Missouri locations (Harrisonville, Adrian, Urich, Nevada, Lamar) during 2008.

<u>Harrisonville</u> Planted: 06-20 Harvested: 11-3, 4 Growing Season Rainfall: 26.7 in. Irrigation: 0 in.	<u>Adrian</u> Planted: 6-20 Harvested: 10-31 Growing Season Rainfall: 34.0 in. Irrigation: 0 in.	<u>Urich</u> Planted: 6-25 Harvested: 11-5 Growing Season Rainfall: 37.0 in. Irrigation: 0 in.
<u>Nevada</u> Planted: 6-21 Harvested: 10-30 Growing Season Rainfall: 45.6 in. Irrigation: 2 in.	<u>Lamar</u> Planted: 06-21 Harvested: 10-29 Growing Season Rainfall: 39.7 in. Irrigation: 0 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
<b>MATURITY GROUP 3</b>						
Willcross RR2397N	60.7*	40.9*	50.2	45.6**	36.6**	46.8**
Kruger K-384RR/SCN	53.4	41.1**	56.0**	44.2*	31.5	45.2*
Dyna-Gro SXO8137	63.6**	35.7	50.5	41.4*	26.6	43.6
Dyna-Gro 35Y36	55.5	34.1	50.9	42.0*	27.2	41.9
Dyna-Gro 35G38	57.6	36.8	51.2	36.8	26.8	41.8
Dyna-Gro 32X39	53.1	40.7*	48.1	39.0	28.2	41.8
Dyna-Gro 32C38	49.0	38.5*	50.0	39.8	28.9	41.2
Dyna-Gro 33A37	51.3	36.3	45.8	40.2	31.2	41.0
Dyna-Gro 38R33	54.6	35.1	48.0	38.0	26.0	40.3
Kruger K-372RR/SCN	45.7	37.7	53.2*	35.6	26.4	39.7
Dyna-Gro 33C32	53.2	31.4	48.4	29.2	20.1	36.5
Dyna-Gro 35F37	42.8	33.1	52.0	33.4	18.6	36.0
<b>GROUP 3 AVERAGE</b>	<b>53.4</b>	<b>36.8</b>	<b>50.4</b>	<b>38.8</b>	<b>27.3</b>	<b>41.3</b>
<b>L.S.D. AT .10</b>	<b>4.6</b>	<b>3.2</b>	<b>3.9</b>	<b>4.3</b>	<b>3.0</b>	<b>1.7</b>
<b>C.V. %</b>	<b>7.2</b>	<b>7.2</b>	<b>6.4</b>	<b>9.3</b>	<b>9.2</b>	<b>7.9</b>

<b>MATURITY GROUP 4</b>						
Midland MG 4768NRR	70.7**	49.8	58.0*	52.2*	39.9*	54.1**
Asgrow AG4907	65.0	53.5**	59.1*	55.1**	37.4	54.0*
Morsoy RT 4485N	64.3	51.0*	56.2	53.1*	42.0*	53.3*
MPG 4406nRR	65.4*	48.5	55.8	54.3*	41.3*	53.0*
Morsoy RT 4707N	67.1*	48.3	56.6	53.2*	36.5	52.3*
Midland MG 4477NRR	61.8	48.4	55.9	53.3*	39.3*	51.7
Willcross RR2470NSTS	59.6	49.6	56.6	54.1*	37.3	51.4
Willcross RR2477NSTS	67.3*	46.8	54.0	48.1	40.2*	51.3
Willcross RR2484N	59.7	47.8	61.2**	47.1	40.4*	51.2
Morsoy RTS 4824	64.9	47.3	58.9*	47.5	37.5	51.2
Morsoy RTS 4718N	54.2	48.9	59.3*	54.0*	39.5*	51.2
Kruger K-489RR/SCN	58.4	49.5	58.7*	52.8*	36.5	51.2
Asgrow DKB46-51	66.9*	49.2	54.7	48.0	36.9	51.1
Midwest Seed Gen. GR4831	63.2	48.2	56.6	43.4	44.1**	51.1
Mersch. Memphis 943RR	68.5*	48.4	54.0	46.0	37.6	50.9
Midland MG 4829NRS	64.2	47.0	54.1	53.1*	35.1	50.7
Asgrow AG4703	64.7	49.5	53.9	48.6	35.3	50.4
Dyna-Gro 36Y48	61.5	45.2	56.4	50.7	37.8*	50.3

Table 28. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Harrisonville	Adrian	Urich	Nevada	Lamar	Mean
Mersch. Houston 747RR	63.9	48.5	57.5*	43.6	38.0*	50.3
Dyna-Gro SXO8341	63.9	44.3	54.8	45.8	42.5*	50.2
NC+ 4A81RS	63.8	48.0	59.6*	43.0	36.8	50.2
MPG 4707nRR/STS	62.3	46.3	57.6*	49.9	34.8	50.2
Willcross RR2440NSTS	67.6*	44.5	56.0	45.3	36.8	50.0
Mersch. Santa Fe 945RR	68.8*	45.0	52.7	49.8	32.6	49.8
NK S49-Q9	65.1*	47.8	52.7	44.9	38.1*	49.7
Stone 3A449NRR/STS	68.2*	45.5	55.8	46.2	32.9	49.7
Asgrow AG4903	59.2	47.0	57.1	48.6	36.3	49.6
Willcross RR2460NS	65.2*	45.3	56.9	48.3	32.3	49.6
Asgrow AG4303	66.0*	45.2	53.6	48.4	34.6	49.6
Morsoy RT 4457N	60.9	45.8	55.5	49.2	36.3	49.5
Mersch. Nashville 749RR	63.9	47.3	58.0*	46.5	31.8	49.5
Dyna-Gro 38C42	62.1	43.7	53.6	47.4	40.6*	49.5
NK S44-D5 Brand	57.7	47.7	56.6	48.9	36.3	49.4
Willcross RR2490NSTS	63.8	46.8	54.9	48.6	32.9	49.4
Kruger K-417RR/SCN	62.7	47.9	54.3	44.3	37.2	49.3
Midwest Seed Gen. GR4531	60.9	46.6	53.8	47.2	37.3	49.2
Dyna-Gro 36C44	64.1	44.3	56.1	48.3	32.5	49.0
Pioneer 94M80	66.4*	47.6	54.9	43.5	32.3	48.9
Asgrow AG4606	53.7	50.2*	56.5	48.8	35.4	48.9
Asgrow AG4005	61.6	48.1	54.3	45.4	33.3	48.5
MPG 4509nRR/STS	66.3*	43.3	52.0	48.7	30.2	48.1
Schillinger 478.RCS	60.2	42.7	53.5	50.6	33.1	48.0
Schillinger 495.RC	59.3	45.6	55.4	44.9	32.7	47.6
NK S43-N6 Brand	62.1	40.6	55.1	47.5	32.5	47.6
Pioneer 94Y01	60.5	44.1	50.6	46.2	36.1	47.5
Pioneer 94Y20	60.5	45.6	52.9	45.0	31.5	47.1
Kruger K-476RR/SCN	63.5	41.9	54.6	42.3	33.2	47.1
Dyna-Gro 32R46	60.4	44.5	57.7*	42.5	30.0	47.0
Willcross RR2450N	61.0	45.1	52.3	44.1	32.2	46.9
Schillinger 457.RCP	59.9	42.0	48.8	47.1	32.9	46.1
Asgrow AG4705	53.7	41.3	50.1	45.5	39.8*	46.1
Dyna-Gro 33Y45	59.9	43.3	55.1	43.5	28.5	46.0
Dyna-Gro 33A40	63.6	42.3	47.4	43.6	32.9	46.0
Willcross RR2498NSTS	58.1	42.4	53.3	46.8	29.1	45.9
Dyna-Gro SXO8940	61.1	40.1	54.5	41.1	32.4	45.8
Kruger K-428RR/SCN	56.6	40.1	54.5	44.6	32.1	45.6
Kruger K-439RR/SCN	61.3	39.7	51.0	41.7	32.2	45.2
NK S41-R6 Brand	58.7	40.0	55.4	46.8	23.9	45.0
Dyna-Gro 35D44	53.8	39.7	51.1	43.3	34.5	44.5
MPG 4808RR	54.1	45.4	53.5	41.5	27.8	44.4
Morsoy RT 4987N	53.9	41.4	54.7	47.7	22.4	44.0
NK S47-D9 Brand	54.8	41.3	57.4*	42.8	23.6	44.0
Stine 4782-4	59.4	43.3	53.6	40.1	21.2	43.5
MPG 4907nRR/STS	55.2	42.5	53.3	43.1	22.3	43.3
<b>GROUP 4 AVERAGE</b>	<b>61.8</b>	<b>45.6</b>	<b>55.0</b>	<b>47.1</b>	<b>34.4</b>	<b>48.8</b>
<b>L.S.D. AT .10</b>	<b>5.6</b>	<b>3.5</b>	<b>4.0</b>	<b>4.1</b>	<b>6.4</b>	<b>2.1</b>
<b>C.V. %</b>	<b>6.5</b>	<b>5.4</b>	<b>5.1</b>	<b>6.3</b>	<b>13.1</b>	<b>7.3</b>



Table 28. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
<b>MATURITY GROUP 5</b>						
MPG 5308nRR	54.2	46.6*	47.0	55.3**	45.6**	49.7**
MPG 5505nRR/STS	57.1*	48.0*	53.1	49.0	38.6	49.2*
Willcross RR2544NSTS	57.8**	47.2*	54.0	50.3	36.1	49.1*
Schillinger 557.RC	50.8	49.2**	51.2	48.6	36.4	47.2
Morsoy RT 5154N	51.8	45.5*	57.9**	43.2	34.4	46.6
MPG 5407nRR	55.8*	46.2*	53.9	41.2	34.4	46.3
Willcross RR2547N	54.2	46.6*	54.0	41.7	32.6	45.8
Pioneer 95Y20	48.2	47.3*	49.2	46.0	32.8	44.7
Willcross RR2507NSTS	51.2	41.6	53.5	41.5	33.0	44.2
<b>GROUP 5 AVERAGE</b>	<b>53.5</b>	<b>46.5</b>	<b>52.6</b>	<b>46.3</b>	<b>36.0</b>	<b>47.0</b>
<b>L.S.D. AT .10</b>	<b>3.4</b>	<b>3.7</b>	<b>2.7</b>	<b>2.8</b>	<b>3.5</b>	<b>1.4</b>
<b>C.V. %</b>	<b>5.2</b>	<b>6.5</b>	<b>4.3</b>	<b>4.9</b>	<b>8.1</b>	<b>5.8</b>

\*\* 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 29. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=6.8, OM=2.5%, P=204, K=728

Cyst Nematode Population at Planting: 656 Eggs/100cc of Soil

Rainfall: May=4.4, June=9.6, July=4.3, Aug.=1.4, Sept.=6.9 Total=26.7 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 4</b>							
Schillinger 477.TCS	Untreated	10-14	27	1	63.3**	--	--
High Yield Check 8	--	10-16	31	1	62.8*	--	--
High Yield Check 7	--	10-15	27	1	62.3*	--	--
High Yield Check 9	--	10-21	30	2	60.8*	--	--
Stoddard	2	10-18	35	3	56.1	46.8	51.5
MPV 4238N	7	10-14	30	1	54.2	--	--
Jake	2	10-21	36	3	54.0	46.9	50.5
<b>GROUP 4 AVERAGE</b>		<b>10-17</b>	<b>31</b>	<b>2</b>	<b>59.1</b>	<b>49.4</b>	<b>54.3</b>
<b>L.S.D. AT .10</b>					<b>4.1</b>	<b>2.9</b>	
<b>C.V. %</b>					<b>5.7</b>	<b>4.7</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 30. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southwest Region: Adrian, MO (Bates County)

Soil Type: Kenoma Silt Loam Soil Test: pH=5.7, OM=1.5%, P=22, K=200

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=11.9, June=9.2, July=2.6, Aug.=1.7, Sept.=8.7 Total=34.0 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
					-----bu/acre-----		
<b>MATURITY GROUP 4</b>							
Stoddard	2	10-19	26	1	49.3**	36.0	42.7
High Yield Check 9	--	10-20	30	1	47.9*	--	--
High Yield Check 8	--	10-12	27	1	46.8*	--	--
High Yield Check 7	--	10-10	25	1	45.2	--	--
Jake	2	10-19	29	1	44.7	39.8**	42.3
Schillinger 477.TCS	Untreated	10-08	26	1	41.6	--	--
MPV 4238N	7	10-07	24	1	37.1	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-14</b>	<b>27</b>	<b>1</b>	<b>44.7</b>	<b>37.6</b>	<b>41.2</b>
<b>L.S.D. AT .10</b>					<b>3.8</b>	<b>1.8</b>	
<b>C.V. %</b>					<b>6.9</b>	<b>4.0</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 31. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=6.1, OM=2.1%, P=40, K=210

Cyst Nematode Population at Planting: 597 Eggs/100cc of Soil

Rainfall: May=7.0, June=10.4, July=4.0, Aug.=0.7, Sept.=15.0 Total=37.0 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
					-----bu/acre-----		
<b>MATURITY GROUP 4</b>							
High Yield Check 8	--	10-18	29	1	56.4**	--	--
High Yield Check 9	--	10-23	27	1	54.0*	--	--
High Yield Check 7	--	10-13	27	1	53.0*	--	--
Schillinger 477.TCS	Untreated	10-15	19	1	46.8	--	--
Stoddard	2	10-23	24	1	45.6	42.2	43.9
Jake	2	10-22	27	1	44.4	41.5	43.0
MPV 4238N	7	10-13	28	1	43.0	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-18</b>	<b>26</b>	<b>1</b>	<b>49.0</b>	<b>43.3</b>	<b>46.2</b>
<b>L.S.D. AT .10</b>					<b>4.5</b>	<b>2.6</b>	
<b>C.V. %</b>					<b>7.5</b>	<b>4.9</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 32. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southwest Region: Nevada, MO (Vernon County)

Soil Type: Parson Silt Loam Soil Test: pH=6.4, OM=2.2%, P=34, K=224

Cyst Nematode Population at Planting: 8691 Eggs/100cc of Soil

Rainfall: May=13.0, June=13.3, July=5.7, Aug.=1.6, Sept.=11.9 Total=45.6 in.

Irrigation: 2 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 4</b>							
Jake	2	10-17	28	1	50.1**	61.4**	55.8
Stoddard	2	10-17	26	2	48.2*	58.1*	53.2
High Yield Check 9	--	10-21	28	1	47.7*	--	--
High Yield Check 8	--	10-12	27	1	42.0	--	--
Schillinger 477.TCS	Untreated	10-08	23	1	41.4	--	--
High Yield Check 7	--	10-08	24	1	38.0	--	--
MPV 4238N	7	10-05	25	1	35.1	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-13</b>	<b>26</b>	<b>1</b>	<b>43.2</b>	<b>56.1</b>	<b>49.7</b>
<b>L.S.D. AT .10</b>					<b>4.9</b>	<b>3.7</b>	
<b>C.V. %</b>					<b>9.2</b>	<b>5.3</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 33. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parsons Silt Loam Soil Test: pH=6.1, OM=1.6%, P=8, K=162

Cyst Nematode Population at Planting: 465 Eggs/100cc of Soil

Rainfall: May=11.8, June=11.3, July=4.5, Aug.=1.7, Sept.=10.4 Total=39.7 in.

Irrigation: 0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 4</b>							
High Yield Check 8	--	10-12	26	1	39.6**	--	--
Stoddard	2	10-19	25	1	39.2*	38.8*	39.0
High Yield Check 7	--	10-10	22	1	36.5*	--	--
Jake	2	10-20	24	1	31.7	41.2**	36.5
High Yield Check 9	--	10-18	21	1	31.2	--	--
Schillinger 477.TCS	Untreated	10-10	21	1	30.8	--	--
MPV 4238N	7	10-13	22	1	24.7	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-15</b>	<b>23</b>	<b>1</b>	<b>33.4</b>	<b>32.7</b>	<b>33.1</b>
<b>L.S.D. AT .10</b>					<b>4.2</b>	<b>3.4</b>	
<b>C.V. %</b>					<b>10.3</b>	<b>8.3</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

TABLE 34. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Five Southwest Missouri locations (Harrisonville, Adrian, Urich, Nevada, Lamar) during 2008.

<u>Harrisonville</u> Planted: 06-20 Harvested: 11-3, 4 Growing Season Rainfall: 26.7 in.	<u>Adrian</u> Planted: 6-20 Harvested: 10-31 Growing Season Rainfall: 34.0 in. Irrigation: 0 in.	<u>Urich</u> Planted: 6-25 Harvested: 11-5 Growing Season Rainfall: 37.0 in. Irrigation: 0 in.
<u>Nevada</u> Planted: 6-21 Harvested: 10-30 Growing Season Rainfall: 45.6 in. Irrigation: 2 in.	<u>Lamar</u> Planted: 06-21 Harvested: 10-29 Growing Season Rainfall: 39.7 in. Irrigation: 0 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
<b>MATURITY GROUP 4</b>						
High Yield Check 8	62.8*	46.8*	56.4**	42.0	39.6**	49.5**
High Yield Check 9	60.8*	47.9*	54.0*	47.7*	31.2	48.3*
Stoddard	56.1	49.3**	45.6	48.2*	39.2*	47.7*
High Yield Check 7	62.3*	45.2	53.0*	38.0	36.5*	47.0
Jake	54.0	44.7	44.4	50.1**	31.7	45.0
Schillinger 477.TCS	63.3**	41.6	46.8	41.4	30.8	44.8
MPV 4238N	54.2	37.1	43.0	35.1	24.7	38.8
<b>GROUP 4 AVERAGE</b>	<b>59.1</b>	<b>44.7</b>	<b>49.0</b>	<b>43.2</b>	<b>33.4</b>	<b>45.9</b>
<b>L.S.D. AT .10</b>	<b>4.1</b>	<b>3.8</b>	<b>4.5</b>	<b>4.9</b>	<b>4.2</b>	<b>1.9</b>
<b>C.V. %</b>	<b>5.7</b>	<b>6.9</b>	<b>7.5</b>	<b>9.2</b>	<b>10.3</b>	<b>7.9</b>

\*\* 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 4 of the 5 sites. Rainfall was short for the growing season but all five sites received supplemental irrigation to boost the soybeans' performance. The Chaffee site was sprayed with Asana this summer to control bean leaf beetle and stink bug

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 = 74.1 degrees, equal to normal

Average precipitation = 16.2", 2.9" below normal

Table 35. Southeast Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide	
			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre	Post
<i>Glyphosate Resistant Soybean Tests</i>								
Chaffee	05-20	10-01, 10-20	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Roundup WeatherMax
Dexter	05-30	10-02, 10-21	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	
Morehouse	06-05	10-02, 10-21	0	0	0	Conventional	None	Roundup WeatherMax
Portageville (Loam)	04-30	09-17, 09-25 10-13	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	
Portageville (Clay)	05-19	09-29, 11-04	18	46	0	Conventional	Dual II Magnum, FirstRate, Authority	
<i>Non-Glyphosate Resistant / Special Traits Soybean Tests</i>								
Chaffee	05-20	10-20	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	Ultra Blazer, Select
Dexter	05-30	10-21	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	
Morehouse	06-05	10-21	0	0	0	Conventional	None	Ultra Blazer, Select, Flexsta
Portageville (Loam)	04-30	10-13	0	0	0	Conventional	Dual II Magnum, FirstRate, Authority	
Portageville (Clay)	05-19	11-04	18	46	0	Conventional	Dual II Magnum, FirstRate, Authority	



**TABLE 36. Glyphosate Resistant Soybean Test**

Southeast Region: Chaffee, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.0; OM=2.2%; P=106; K=374

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

Rainfall: May=7.2; June=3.2; July=5.1; Aug=4.4; Sept=2.2 Total=22.0

Irrigation: 3.0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
					-----bu/acre-----		
<b>MATURITY GROUP 3</b>							
Armor ARX 938	4	9-11	42	1	76.5**	--	--
NK S39-A3 Brand	4	9-18	49	4	76.1*	--	--
S04-20912	2	9-18	45	3	75.1*	--	--
Armor 38-G2	4	9-13	42	2	73.0*	--	--
S04-3924	2	9-11	39	1	70.4	--	--
Hornbeck HBK R3927	2, 6	9-18	48	4	65.6	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-15</b>	<b>44</b>	<b>2</b>	<b>72.8</b>	<b>67.7</b>	<b>70.3</b>
<b>L.S.D. AT .10</b>					<b>5.8</b>	<b>7.4</b>	
<b>C.V. %</b>					<b>6.5</b>	<b>8.7</b>	
<b>MATURITY GROUP 4</b>							
Asgrow AG4907	Untreated	9-26	45	3	81.0**	--	--
Hornbeck HBK R4924	2, 6	9-28	45	5	80.0*	74.4	77.2
Mersch. Santa Fe 945RR	1, 7, 11	9-24	39	3	79.3*	--	--
Schillinger 478.RCS	Untreated	9-28	45	4	78.9*	--	--
NK S49-H7 Brand	4	9-28	48	3	78.5*	73.7	76.1
Delta King DKXTJ848	4	9-24	49	3	78.2*	75.7*	77.0
Morsoy RTS 4955N	4	9-28	45	5	78.0*	76.7*	77.4
Mersch. Nashville 749RR	1, 7, 11	9-27	39	1	77.2*	71.0	74.1
Hornbeck HBK R4727	2, 6	9-28	42	3	76.8*	73.4	75.1
Delta Grow 4780RR	2, 6	9-22	42	3	76.4*	75.3	75.9
Morsoy RT 4707N	4	9-28	42	3	75.9*	73.0	74.5
UniSouth USG 74G78	4	9-29	33	1	75.6*	--	--
Trisoy 4184RR(CN)	1, 5, 7	9-16	39	1	75.1*	--	--
Armor 47-F8	4	9-25	35	3	74.9*	76.9*	75.9
Progeny 4606 RR	2	9-23	33	2	74.9*	68.4	71.7
Trisoy 4760RR(CN)	1, 5, 7	9-22	36	2	74.7*	67.7	71.2
Delta Grow 4460RR	2, 6	9-19	45	3	74.7*	60.9	67.8
Progeny 4906 RR	2	9-26	45	3	74.6*	73.4	74.0
Trisoy 4788RR(CN)	1, 5, 7	9-18	45	2	74.4*	--	--
MPG 4406nRR	7	9-23	45	3	74.3*	75.5*	74.9
Progeny 4807 RR	2	9-28	48	3	74.1*	73.6	73.9
Armor ARX 4717	4	9-21	39	2	74.1*	--	--
MPG 4509nRR/STS	7	9-20	36	1	74.1*	--	--
Mersch. Rocky RR	1, 7, 11	9-24	42	3	73.7*	69.6	71.6
Southern Cross Galilee	Untreated	9-28	45	4	73.6*	76.8*	75.2
UniSouth USG 74A88	4	9-25	42	3	73.1*	--	--
Asgrow AG4303	2	9-20	36	1	73.0*	--	--
Dairyland 8482/RR	4	9-29	48	3	73.0*	--	--
Armor ARX 4560	4	9-23	45	4	72.7	68.7	70.7
Pioneer 94Y90	4	9-28	48	4	72.6	--	--
Delta Grow 4975LARR	2, 6	9-26	45	4	72.5	65.1	68.8
Delta King DK4667	4	9-25	35	1	72.4	59.0	65.7

TABLE 36. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Morsoy RT 4485N	4	9-23	45	2	72.4	75.5*	74.0
S05-4604	2	9-29	45	3	72.3	--	--
Mersch. Houston 747RR	1, 7, 11	9-26	36	2	72.1	74.0	73.1
MPG 4808RR	7	9-28	54	3	71.7	53.1	62.4
Mersch. Norfolk 741RR	1, 7, 11	9-23	39	2	71.7	66.4	69.1
Dyna-Gro 36Y48	3	9-28	45	4	71.7	70.3	71.0
Southern Cross Rufus	Untreated	9-18	45	1	71.6	--	--
UniSouth USG 74T98	4	9-27	42	2	71.5	--	--
Gateway 4RS449	4	9-23	36	1	71.5	--	--
Armor 44-K6	4	9-16	39	1	71.3	--	--
Mersch. Richmond 649RR	1, 7, 11	9-27	48	4	71.2	63.8	67.5
Armor 42-M1	4	9-21	39	1	71.1	--	--
Asgrow AG4606	2	9-21	42	2	70.9	--	--
Progeny 4908 RR	2	9-29	45	3	70.7	--	--
Progeny 4206 RR	2	9-19	45	2	70.4	67.6	69.0
Gateway 4R492	4	9-26	45	3	70.3	--	--
NK S46-U6 Brand	4	9-25	48	3	70.1	65.7	67.9
Gateway 4RS477	4	9-29	36	3	70.0	60.4	65.2
Gateway 4RS497	4	9-27	42	3	69.6	--	--
Delta Grow 4770RR	2, 6	9-26	45	3	69.5	72.1	70.8
Morsoy RT 4806N	4	9-20	48	3	69.4	66.9	68.2
Asgrow AG4903	Untreated	9-28	45	3	69.3	64.0	66.7
Mersch. Memphis 943RR	1, 7, 11	9-19	33	2	69.3	--	--
Dyna-Gro 32R46	3	9-28	33	3	69.1	76.5*	72.8
Dyna-Gro 37P49	2	9-27	44	3	68.9	69.9	69.4
Pioneer 94M80	4	9-28	45	3	68.9	67.5	68.2
UniSouth USG 74H48	4	9-23	45	4	68.8	--	--
Morsoy RTS 4706N	4	9-28	42	2	68.8	86.6**	77.7
Armor 48-J3	4	9-24	45	3	68.4	--	--
Morsoy RTS 4556N	4	9-22	39	3	68.4	70.2	69.3
Morsoy RT 4888N	4	9-25	45	4	68.2	--	--
Pioneer 94Y60	4	9-22	39	3	68.2	--	--
Morsoy RT 4688N	4	9-21	40	3	68.2	--	--
Delta Pine DP 4888 RR/S	Untreated	9-22	48	3	68.1	68.3	68.2
Pioneer 94Y70	4	9-23	48	4	68.0	--	--
UniSouth USG 74F78	4	9-22	42	3	67.8	81.0*	74.4
Schillinger 495.RC	Untreated	9-28	48	5	67.8	62.7	65.3
MPG 4905nRR	7	9-21	42	3	67.6	--	--
NK S45-E5 Brand	4	9-23	45	2	67.5	65.6	66.6
MPG 4707nRR/STS	7	9-18	36	2	67.5	74.3	70.9
Dyna-Gro 36C44	3	9-21	36	1	67.5	--	--
Dairyland 4300/RR	4	9-18	42	2	67.4	--	--
Dyna-Gro 33Y45	3	9-21	39	3	67.4	68.3	67.9
Morsoy RTS 4488N	4	9-25	36	2	67.4	--	--
Asgrow AG4703	2	9-23	39	3	67.3	75.7*	71.5
Dyna-Gro 32P48	2	9-21	43	2	67.3	--	--
Terral TV47R17	2	9-27	54	3	67.3	--	--
Asgrow AG4404	2	9-18	42	2	67.2	--	--
Delta Grow 4870RR	2, 6	9-25	45	3	67.2	--	--
UniSouth USG 74E68	4	9-15	47	2	67.1	--	--
Dyna-Gro 37A44	2	9-24	51	3	67.1	63.8	65.5
Terral TV49R27	2	9-27	45	4	67.1	--	--
Progeny 4405 RR	2	9-22	45	3	66.7	--	--

TABLE 36. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Schillinger 457.RCP	Untreated	9-26	50	4	66.3	69.7	68.0
UniSouth USG 74A27	4	9-16	39	1	66.3	73.8	70.1
Trisoy 4586RR(CN)	1, 5, 7	9-20	36	2	66.3	--	--
MPG XSSRR46594	7	9-28	45	5	66.2	--	--
Mersch. Phoenix 940RR	1, 7, 11	9-15	39	1	65.7	--	--
Asgrow AG4005	2	9-14	39	1	65.7	--	--
Southern Cross Eli	Untreated	9-24	36	3	65.5	67.4	66.5
Crow's C4820R	Untreated	9-20	45	1	65.5	--	--
NK S49-W6 Brand	4	9-29	54	3	65.5	--	--
Progeny 4918 RR	2	9-22	45	4	65.4	--	--
Progeny 4508 RR	2	9-19	42	3	65.3	--	--
MPG 4907nRR/STS	7	9-28	45	4	64.9	78.3*	71.6
Delta Grow 4470RR/STS	2, 6	9-20	39	3	64.5	72.9	68.7
Dairyland DST47-001/RR	4	9-29	39	3	64.3	--	--
Progeny 4706 RR	2	9-24	45	3	64.2	72.3	68.3
Delta Grow 4840RR	2, 6	9-24	44	4	63.5	64.4	64.0
Southern Cross Caleb	Untreated	9-21	36	1	63.0	68.7	65.9
Pioneer 94Y20	4	9-23	42	3	63.0	--	--
Progeny 4408 RR	2	9-19	36	1	62.9	--	--
Delta Grow 4820RR	2, 6	9-26	36	4	62.9	--	--
Progeny 4718 RR	2	9-23	39	4	62.6	--	--
Terral TV49R19	2	9-24	45	3	62.1	--	--
Delta Grow 4150RR	2, 6	9-25	45	4	61.8	71.2	66.5
Progeny 4949 RR	2	9-25	46	5	61.0	64.6	62.8
Terral TV47R18	2	9-23	48	4	61.0	--	--
Delta Pine DP 4546 RR	Untreated	9-25	48	4	60.2	57.2	58.7
Hornbeck HBK R4527	2, 6	9-25	46	4	60.0	59.8	59.9
UniSouth USG 7495NRS	4	9-28	45	4	59.8	73.8	66.8
Dairyland 4500/RRSTS	4	9-18	39	2	59.6	--	--
Delta Grow 4970RR	2, 6	9-21	35	2	59.5	60.0	59.8
MPG 4909nRR	7	9-25	42	4	59.0	--	--
Terral TV46R19	2	9-21	45	5	59.0	--	--
Pioneer 94Y10	4	9-17	42	2	58.4	--	--
Stine 4782-4	Untreated	9-26	36	1	57.4	67.9	62.7
Asgrow AG4705	2	9-26	48	5	56.8	--	--
Delta King DKXTJ946	4	9-21	42	4	55.7	--	--
<b>GROUP 4 AVERAGE</b>		<b>9-24</b>	<b>43</b>	<b>3</b>	<b>68.8</b>	<b>67.9</b>	<b>68.4</b>
<b>L.S.D. AT .10</b>					<b>8.2</b>	<b>11.1</b>	
<b>C.V. %</b>					<b>8.5</b>	<b>11.8</b>	

## MATURITY GROUP 5

Morsoy RT 5388N	4	10-08	47	2	68.2**	--	--
Pioneer 95M50	2	10-07	39	2	65.3*	53.9	59.6
Mersch. Rushmore 959RR	1, 7, 11	10-12	40	3	64.8*	--	--
MPG 5505nRR/STS	7	10-06	42	3	64.8*	74.8*	69.8
Delta King DK52-K6	4	10-07	42	2	63.0*	66.5	64.8
Progeny 5408 RR	2	10-11	42	3	62.3*	--	--
Gateway 5R501	4	10-07	45	3	62.2*	59.7	61.0
Dairyland 8512/RR	4	10-05	48	3	62.1*	--	--
Armor 55-A5	4	10-08	36	3	61.1*	78.8**	70.0
MPG 5407nRR	7	10-03	45	2	60.5*	71.1*	65.8

TABLE 36. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Morsoy RT 5168N	4	9-29	39	3	60.4*	--	--
MPG 5308nRR	7	10-05	42	2	60.2*	66.0	63.1
Delta Grow 5160RR/STS	2, 6	10-05	42	2	60.1*	72.4*	66.3
Delta Grow 5170RR	2, 6	9-27	38	1	59.7*	--	--
Morsoy RT 5506N	4	10-05	48	3	59.6*	58.8	59.2
Progeny 5108 RR	2	10-05	39	3	59.6*	--	--
Hornbeck HBK R5525	2, 6	10-06	40	2	59.3*	59.1	59.2
Pioneer 95Y40	4	10-06	49	3	59.1*	--	--
UniSouth USG 75J18	4	10-02	32	1	59.0*	--	--
UniSouth USG 75J47	4	10-06	38	2	58.9*	67.5	63.2
Progeny 5650 RR	2	10-10	46	3	58.6*	43.6	51.1
Dyna-Gro 33X55	2	10-10	45	3	58.5*	69.7	64.1
Asgrow AG5503	Untreated	9-28	36	2	58.5*	--	--
UniSouth USG Allen	4	10-09	45	3	58.5*	53.1	55.8
Terral TV55R15	2	10-06	48	3	57.6	--	--
Delta Grow 5555RR	2, 6	10-08	42	2	57.1	--	--
UniSouth USG 7515NRS	4	9-30	41	2	57.0	71.5*	64.3
NK S52-F2 Brand	4	10-02	38	3	56.9	--	--
Delta Grow 5450RR	2, 6	10-10	41	3	56.9	--	--
Progeny 5115 RR	2	9-30	41	3	56.8	62.6	59.7
Asgrow AG5304	Untreated	10-01	42	3	56.4	--	--
Dyna-Gro 3583	2	10-09	54	2	56.2	54.7	55.5
Midwest Seed Gen. GR5434	Untreated	10-08	40	2	56.1	--	--
UniSouth USG 7553NRS	4	10-05	39	2	56.1	71.0*	63.6
Delta Grow 5300RR	2, 6	10-07	45	3	55.8	66.0	60.9
Armor 53-Z5	4	10-06	39	2	55.6	70.7*	63.2
Pioneer 95Y20	4	10-05	42	3	55.4	--	--
UniSouth USG 75J32	4	10-03	42	2	55.3	64.9	60.1
Dyna-Gro 35F55	2	10-11	45	3	55.2	--	--
Dairyland 8509/RR	4	10-02	43	3	55.2	--	--
Delta Grow 5280RR	2, 6	10-07	35	3	54.7	--	--
Schillinger 557.RC	Untreated	10-07	42	3	54.7	61.8	58.3
Delta Pine DP 5335 RR/S	Untreated	10-04	43	2	54.6	66.6	60.6
Dyna-Gro 32A53	2	10-06	39	4	54.1	53.2	53.7
Progeny 5208 RR	2	9-29	42	2	53.9	--	--
Hornbeck HBK RS5227	2, 6	10-07	42	3	53.6	65.0	59.3
Armor GP-533	4	10-05	39	2	53.5	57.6	55.6
Eagle Seed ES5555RR	2, 6	10-03	36	4	53.1	--	--
Terral TV59R16	2	10-12	42	3	52.8	--	--
AG South AGS 568RR	Untreated	10-06	42	2	52.8	--	--
Asgrow AG5405	Untreated	10-03	36	2	52.7	--	--
Delta Grow 5570RR/STS	2, 6	10-10	42	3	52.1	--	--
Dyna-Gro 32B57	2	10-07	42	2	52.1	--	--
Mersch. Everest RR	1, 7, 11	10-05	39	2	51.9	--	--
Crow's C5417R	Untreated	10-04	42	3	51.2	--	--
Dyna-Gro 31R54	2	10-01	42	1	51.0	46.0	48.5
Terral TV54R28	2	10-01	42	3	51.0	--	--
NK S56-D7	4	10-05	42	3	50.8	--	--
Progeny 5622 RR	2	10-07	43	4	50.8	--	--
Hornbeck HBK R5226	2, 6	10-04	39	3	50.3	61.3	55.8
Hornbeck HBK R5425	2, 6	10-06	54	3	49.9	48.7	49.3
Southern Cross Damascus	Untreated	10-01	39	2	49.8	67.7	58.8
Progeny 5308 RR	2	10-07	36	2	48.6	--	--

TABLE 36. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
Morsoy RT 5688N	4	10-11	39	4	48.1	--	--
Dyna-Gro 33P54	2	10-06	39	3	48.0	64.9	56.5
UniSouth USG 75Z38	4	10-08	36	3	47.9	--	--
Morsoy RT 5288N	4	10-06	33	4	46.5	--	--
Dyna-Gro 33C59	2	10-10	39	4	45.2	55.5	50.4
Dyna-Gro 33B52	2	10-02	33	4	45.1	42.9	44.0
Progeny 5107 RR	2	10-04	39	1	45.0	48.8	46.9
Progeny 5218 RR	2	10-06	39	4	44.0	--	--
Terral TV52R28	2	10-05	42	4	42.2	--	--
<b>GROUP 5 AVERAGE</b>		<b>10-05</b>	<b>41</b>	<b>3</b>	<b>55.2</b>	<b>61.1</b>	<b>58.2</b>
<b>L.S.D. AT .10</b>					<b>9.8</b>	<b>8.6</b>	
<b>C.V. %</b>					<b>12.5</b>	<b>10.0</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 37. Glyphosate Resistant Soybean Test**

Southeast Region: Dexter, MO (Stoddard County)

Soil Type: Crowley Silt Loam Soil Test: pH=6.0, OM=1.7%, P=26, K=290

Cyst Nematode Population at Planting: 266 Eggs/100cc of Soil

Rainfall: May=5.6, June=2.4, July=3.2, Aug.=1.7, Sept.=4.5 Total=17.4

Irrigation: 4.0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
Armor ARX 938	4	9-19	33	3	71.0**	--	--
S04-3924	2	9-22	36	3	69.1*	--	--
NK S39-A3 Brand	4	9-21	35	4	68.0*	--	--
Armor 38-G2	4	9-19	41	2	66.6*	--	--
S04-20912	2	9-20	45	3	63.9	--	--
Hornbeck HBK R3927	2, 6	9-22	45	3	53.2	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-20</b>	<b>39</b>	<b>3</b>	<b>65.3</b>	<b>68.6</b>	<b>67.0</b>
<b>L.S.D. AT .10</b>					<b>6.4</b>	<b>7.8</b>	
<b>C.V. %</b>					<b>8.0</b>	<b>9.0</b>	

**MATURITY GROUP 4**

Armor 47-F8	4	10-05	36	3	86.8**	67.5	77.2
Southern Cross Galilee	Untreated	10-07	45	3	84.3*	65.3	74.8
Morsoy RTS 4706N	4	10-04	36	3	82.5*	63.9	73.2
Asgrow AG4303	2	9-25	35	3	81.6*	--	--
NK S46-U6 Brand	4	10-06	39	3	80.4*	76.0*	78.2
UniSouth USG 74A88	4	10-06	42	4	77.9*	--	--
Gateway 4RS477	4	10-08	39	2	77.4*	72.6*	75.0
Progeny 4807 RR	2	9-29	39	4	76.0	73.6*	74.8
Mersch. Houston 747RR	1, 7, 11	10-06	38	3	75.8	72.9*	74.4
Pioneer 94Y70	4	10-01	43	2	75.8	--	--
NK S49-H7 Brand	4	10-06	45	2	75.7	61.5	68.6
Delta King DKXTJ848	4	10-06	45	3	75.6	66.9	71.3
Hornbeck HBK R4924	2, 6	10-06	48	4	75.4	71.2	73.3
Dyna-Gro 32R46	3	10-06	36	3	75.4	73.8*	74.6
UniSouth USG 74G78	4	10-05	33	2	74.8	--	--
Trisoy 4586RR(CN)	1, 5, 7	9-26	39	2	74.7	--	--
Dyna-Gro 37A44	2	9-26	42	4	74.5	63.6	69.1
MPG 4509nRR/STS	7	10-03	33	2	74.5	--	--
Armor 44-K6	4	9-28	36	2	74.1	--	--
Asgrow AG4907	Untreated	10-06	42	2	73.7	--	--
MPG 4909nRR	7	10-07	36	4	73.6	--	--
Delta Pine DP 4888 RR/S	Untreated	10-06	42	4	73.5	63.0	68.3
Mersch. Rocky RR	1, 7, 11	10-02	36	3	73.5	68.6	71.1
Trisoy 4788RR(CN)	1, 5, 7	10-03	42	2	73.4	--	--
Asgrow AG4606	2	10-04	42	2	73.1	--	--
Mersch. Nashville 749RR	1, 7, 11	10-02	39	3	72.9	65.7	69.3
Southern Cross Caleb	Untreated	10-06	36	3	72.3	68.4	70.4
Dyna-Gro 37P49	2	10-05	41	3	71.9	64.3	68.1
Armor 42-M1	4	9-25	39	3	71.9	--	--
Progeny 4949 RR	2	10-06	46	4	71.8	60.2	66.0
Crow's C4820R	Untreated	9-28	45	3	71.7	--	--

TABLE 37. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
					-----bu/acre-----		
Southern Cross Rufus	Untreated	10-02	39	3	71.6	--	--
Dyna-Gro 36C44	3	9-26	36	3	71.5	--	--
UniSouth USG 7495NRS	4	10-06	42	3	71.5	68.2	69.9
Delta Grow 4780RR	2, 6	10-03	45	3	71.4	72.6*	72.0
Dyna-Gro 32P48	2	10-05	36	3	71.3	--	--
Morsoy RTS 4955N	4	10-08	48	4	71.1	68.4	69.8
Mersch. Norfolk 741RR	1, 7, 11	9-26	36	3	71.1	57.2	64.2
Gateway 4RS449	4	9-22	36	2	71.0	--	--
Morsoy RTS 4556N	4	9-25	39	3	70.9	60.6	65.8
NK S45-E5 Brand	4	10-02	42	2	70.8	65.0	67.9
Mersch. Memphis 943RR	1, 7, 11	9-22	33	2	70.8	--	--
Armor ARX 4717	4	10-04	39	2	70.7	--	--
Progeny 4408 RR	2	10-01	36	2	70.5	--	--
Morsoy RT 4806N	4	9-29	45	3	70.4	65.8	68.1
Dairyland 4300/RR	4	10-02	36	3	70.3	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-01	42	3	70.3	--	--
Delta Grow 4975LARR	2, 6	10-01	36	3	70.1	61.4	65.8
Schillinger 478.RCS	Untreated	10-06	42	3	69.9	--	--
UniSouth USG 74A27	4	9-29	36	2	69.8	64.6	67.2
Mersch. Richmond 649RR	1, 7, 11	10-03	51	4	69.7	63.2	66.5
Delta Grow 4770RR	2, 6	10-06	42	3	69.7	65.0	67.4
S05-4604	2	10-07	45	4	69.5	--	--
Terral TV47R18	2	10-06	45	3	69.5	--	--
Asgrow AG4005	2	9-26	36	2	69.4	--	--
Delta King DK4667	4	10-04	45	4	69.3	61.1	65.2
Progeny 4706 RR	2	10-01	42	3	69.3	72.8*	71.1
Gateway 4R492	4	10-05	42	3	69.2	--	--
Morsoy RT 4707N	4	10-06	45	3	69.0	72.8*	70.9
Asgrow AG4703	2	10-02	33	2	68.9	69.2	69.1
MPG 4406nRR	7	9-25	46	4	68.8	64.5	66.7
Gateway 4RS497	4	10-04	45	3	68.5	--	--
Pioneer 94Y20	4	10-06	39	2	68.5	--	--
Progeny 4908 RR	2	10-06	42	3	68.4	--	--
Progeny 4606 RR	2	10-05	36	3	68.3	66.2	67.3
Morsoy RT 4688N	4	10-03	36	4	68.2	--	--
Pioneer 94Y60	4	10-02	39	2	68.1	--	--
Southern Cross Eli	Untreated	10-05	35	3	67.7	70.7	69.2
Morsoy RTS 4488N	4	9-27	39	2	67.6	--	--
Armor 48-J3	4	10-06	39	3	67.5	--	--
Progeny 4718 RR	2	10-01	42	4	67.3	--	--
Terral TV47R17	2	10-05	45	4	67.2	--	--
Terral TV49R19	2	10-06	45	2	67.1	--	--
Progeny 4906 RR	2	10-07	40	3	66.9	67.8	67.4
Hornbeck HBK R4727	2, 6	9-30	48	3	66.5	72.4*	69.5
NK S49-W6 Brand	4	10-07	45	3	66.5	--	--
Pioneer 94Y90	4	10-05	48	4	66.3	--	--
Trisoy 4760RR(CN)	1, 5, 7	10-07	36	3	66.2	80.7**	73.5
Dyna-Gro 36Y48	3	10-08	45	3	66.1	68.1	67.1
Asgrow AG4903	Untreated	10-08	39	3	66.0	59.7	62.9
UniSouth USG 74E68	4	9-24	39	2	65.9	--	--
UniSouth USG 74T98	4	10-10	33	3	65.7	--	--
Pioneer 94Y10	4	10-04	39	3	65.4	--	--
Progeny 4405 RR	2	10-04	45	3	65.3	--	--

TABLE 37. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Delta Grow 4460RR	2, 6	10-03	39	3	65.4	66.4	65.9
Delta Grow 4150RR	2, 6	10-01	42	3	65.0	63.3	64.2
MPG 4907nRR/STS	7	10-12	42	4	64.8	72.7*	68.8
Dyna-Gro 33Y45	3	10-05	35	3	64.7	65.6	65.1
Progeny 4206 RR	2	9-27	36	2	64.4	53.5	59.0
Delta Grow 4840RR	2, 6	10-03	39	3	64.2	63.3	63.8
Progeny 4918 RR	2	10-05	42	3	64.0	--	--
Dairyland 4500/RRSTS	4	10-04	39	5	63.6	--	--
Dairyland 8482/RR	4	10-02	42	3	63.6	--	--
Delta Grow 4470RR/STS	2, 6	9-30	33	2	63.5	74.5*	69.0
Armor ARX 4560	4	9-27	42	3	62.8	71.9*	67.4
MPG 4905nRR	7	9-24	41	5	62.6	--	--
Pioneer 94M80	4	10-06	41	3	62.5	59.9	61.2
Delta Grow 4870RR	2, 6	10-05	42	4	62.3	--	--
Stine 4782-4	Untreated	10-10	34	2	62.3	71.2	66.8
Schillinger 495.RC	Untreated	10-06	42	4	62.2	62.5	62.4
MPG 4808RR	7	10-06	48	3	61.9	65.8	63.9
Delta Grow 4820RR	2, 6	10-04	36	3	61.0	--	--
MPG XSSRR46594	7	10-06	43	3	61.0	--	--
UniSouth USG 74H48	4	10-04	39	4	60.9	--	--
MPG 4707nRR/STS	7	9-28	35	3	60.1	74.3*	67.2
Hornbeck HBK R4527	2, 6	10-06	43	3	60.1	55.7	57.9
Terral TV49R27	2	10-02	37	5	60.1	--	--
Trisoy 4184RR(CN)	1, 5, 7	9-21	35	4	60.0	--	--
Delta Grow 4970RR	2, 6	10-06	35	2	59.9	72.1*	66.0
Asgrow AG4705	2	10-06	39	3	59.6	--	--
Mersch. Phoenix 940RR	1, 7, 11	9-21	36	2	59.5	--	--
Progeny 4508 RR	2	10-06	42	2	59.2	--	--
Morsoy RT 4485N	4	10-06	45	3	59.0	73.0*	66.0
Schillinger 457.RCP	Untreated	9-27	48	4	57.8	62.0	59.9
Morsoy RT 4888N	4	10-06	42	4	56.5	--	--
Terral TV46R19	2	9-28	42	3	56.1	--	--
UniSouth USG 74F78	4	10-02	36	3	56.0	63.9	60.0
Asgrow AG4404	2	9-28	36	2	55.3	--	--
Delta Pine DP 4546 RR	Untreated	9-30	42	3	54.8	60.7	57.8
Dairyland DST47-001/RR	4	10-03	39	3	53.8	--	--
Delta King DKXTJ946	4	10-04	51	4	52.8	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-03</b>	<b>40</b>	<b>3</b>	<b>68.1</b>	<b>65.4</b>	<b>66.8</b>
<b>L.S.D. AT .10</b>					<b>10.1</b>	<b>8.9</b>	
<b>C.V. %</b>					<b>10.7</b>	<b>9.7</b>	

**MATURITY GROUP 5**

UniSouth USG 7553NRS	4	10-07	39	3	79.3**	68.7*	74.0
UniSouth USG 75J18	4	10-06	39	3	77.4*	--	--
Progeny 5108 RR	2	10-15	45	2	75.9*	--	--
Delta Grow 5160RR/STS	2, 6	10-07	45	3	74.1*	67.2*	70.6
Pioneer 95Y40	4	10-10	30	3	73.4*	--	--
Asgrow AG5304	Untreated	10-08	33	2	72.2*	--	--
MPG 5407nRR	7	10-08	36	3	72.2*	69.9*	71.1
Progeny 5408 RR	2	10-10	39	2	71.9	--	--
UniSouth USG 75J47	4	10-13	36	3	71.9	73.6*	72.8



TABLE 37. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Delta King DK52-K6	4	10-07	36	3	71.9	58.8	65.4
AG South AGS 568RR	Untreated	10-15	39	3	71.1	--	--
Hornbeck HBK R5525	2, 6	10-11	42	3	70.6	57.7	64.2
Progeny 5115 RR	2	10-11	45	3	70.1	72.7*	71.4
Morsoy RT 5688N	4	10-08	39	3	70.0	--	--
Progeny 5622 RR	2	10-15	36	3	69.8	--	--
Southern Cross Damascus	Untreated	10-09	42	2	69.8	66.7	68.3
Delta Pine DP 5335 RR/S	Untreated	10-10	45	2	69.7	70.5*	70.1
MPG 5505nRR/STS	7	10-12	36	3	68.8	68.6*	68.7
Armor GP-533	4	10-11	38	3	68.6	68.5*	68.6
Hornbeck HBK R5425	2, 6	10-16	39	4	68.5	50.9	59.7
Asgrow AG5503	Untreated	10-08	38	2	68.5	--	--
Armor 55-A5	4	10-13	33	3	68.3	76.0*	72.2
UniSouth USG Allen	4	10-13	42	2	68.2	74.9*	71.6
Mersch. Everest RR	1, 7, 11	10-08	42	2	68.1	--	--
Dyna-Gro 33X55	2	10-16	36	3	68.0	62.6	65.3
Morsoy RT 5168N	4	10-09	42	4	67.7	--	--
UniSouth USG 7515NRS	4	10-07	42	3	67.3	64.4	65.9
Delta Grow 5300RR	2, 6	10-05	36	3	66.9	58.9	62.9
Dyna-Gro 3583	2	10-08	33	3	66.9	53.2	60.1
Delta Grow 5450RR	2, 6	10-16	36	2	66.7	--	--
Morsoy RT 5388N	4	10-11	42	3	66.6	--	--
UniSouth USG 75J32	4	10-09	39	2	65.9	60.7	63.3
Armor 53-Z5	4	10-08	33	3	65.6	69.0*	67.3
Mersch. Rushmore 959RR	1, 7, 11	10-13	42	3	65.5	--	--
Pioneer 95Y20	4	10-07	36	3	65.2	--	--
Dairyland 8512/RR	4	10-10	45	2	64.9	--	--
Morsoy RT 5288N	4	10-11	33	3	64.9	--	--
Pioneer 95M50	2	10-09	36	3	64.9	60.3	62.6
Hornbeck HBK RS5227	2, 6	10-09	30	2	64.9	57.0	61.0
Terral TV54R28	2	10-10	44	3	64.8	--	--
Delta Grow 5570RR/STS	2, 6	10-03	39	2	64.4	--	--
Asgrow AG5405	Untreated	10-10	33	2	63.3	--	--
MPG 5308nRR	7	10-08	36	4	62.8	67.0	64.9
Dyna-Gro 33C59	2	10-15	36	3	62.8	68.9*	65.9
UniSouth USG 75Z38	4	10-11	33	3	62.5	--	--
Schillinger 557.RC	Untreated	10-09	33	2	62.5	66.0	64.3
Dyna-Gro 32B57	2	10-08	33	2	62.1	--	--
Terral TV59R16	2	10-08	33	3	62.0	--	--
NK S52-F2 Brand	4	10-12	36	3	61.8	--	--
Progeny 5650 RR	2	10-12	33	3	60.7	63.4	62.1
Dyna-Gro 32A53	2	10-10	34	3	60.5	71.2*	65.9
Dyna-Gro 31R54	2	10-08	33	2	60.5	59.9	60.2
Delta Grow 5170RR	2, 6	10-10	37	3	60.5	--	--
Morsoy RT 5506N	4	10-13	33	3	60.4	64.9	62.7
Dyna-Gro 35F55	2	10-10	39	3	60.3	--	--
Progeny 5308 RR	2	10-12	36	2	59.9	--	--
Delta Grow 5280RR	2, 6	10-11	31	2	59.8	--	--
Hornbeck HBK R5226	2, 6	10-10	30	4	59.5	62.3	60.9
Dyna-Gro 33P54	2	10-08	32	2	58.8	75.8*	67.3
Midwest Seed Gen. GR5434	Untreated	10-11	36	2	58.1	--	--
Progeny 5107 RR	2	10-09	39	3	57.9	60.7	59.3
Dairyland 8509/RR	4	10-06	39	4	57.5	--	--

TABLE 37. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
NK S56-D7	4	10-09	45	4	57.0	--	--
Eagle Seed ES5555RR	2, 6	10-07	31	3	56.8	--	--
Gateway 5R501	4	10-07	39	4	56.7	71.6*	64.2
Crow's C5417R	Untreated	10-08	33	2	56.0	--	--
Progeny 5218 RR	2	10-07	36	4	56.0	--	--
Delta Grow 5555RR	2, 6	10-09	42	3	54.3	--	--
Progeny 5208 RR	2	10-08	33	3	54.1	--	--
Terral TV55R15	2	10-09	35	4	53.3	--	--
Terral TV52R28	2	10-09	36	3	51.3	--	--
Dyna-Gro 33B52	2	10-09	36	4	47.6	63.6	55.6
<b>GROUP 5 AVERAGE</b>		<b>10-10</b>	<b>37</b>	<b>3</b>	<b>64.6</b>	<b>64.4</b>	<b>64.5</b>
<b>L.S.D. AT .10</b>					<b>7.3</b>	<b>9.9</b>	
<b>C.V. %</b>					<b>8.1</b>	<b>11.1</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 38. Glyphosate Resistant Soybean Test**

Southeast Region: Morehouse, MO (New Madrid County)

Soil Type: Sharkey Clay Soil Test: pH=5.8, OM=2.0%, P=22, K=202

Cyst Nematode Population at Planting: 199 Eggs/100cc of Soil

Rainfall: May=4.3, June=1.6, July=3.7, Aug.=0.6, Sept.=4.0 Total=14.3

Irrigation: 3.0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
-----bu/acre-----							
<b>MATURITY GROUP 3</b>							
Armor ARX 938	4	9-24	27	2	65.7**	--	--
Armor 38-G2	4	9-26	36	1	62.3	--	--
NK S39-A3 Brand	4	9-24	30	3	62.0	--	--
S04-20912	2	9-27	33	3	61.0	--	--
S04-3924	2	9-27	33	2	60.7	--	--
Hornbeck HBK R3927	2, 6	9-26	42	4	60.7	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-26</b>	<b>34</b>	<b>2</b>	<b>62.1</b>	<b>38.6</b>	<b>50.4</b>
<b>L.S.D. AT .10</b>					<b>3.3</b>	<b>3.6</b>	
<b>C.V. %</b>					<b>4.4</b>	<b>7.5</b>	
<b>MATURITY GROUP 4</b>							
Schillinger 495.RC	Untreated	10-07	42	3	83.1**	47.2*	65.2
Delta Grow 4460RR	2, 6	9-28	42	2	75.0	36.9	56.0
Morsoy RTS 4556N	4	10-05	33	2	71.8	37.4	54.6
Delta King DKXTJ848	4	10-05	48	3	71.2	38.1	54.7
Mersch. Nashville 749RR	1, 7, 11	10-05	36	2	70.8	48.0*	59.4
Southern Cross Galilee	Untreated	9-29	38	3	70.5	48.9*	59.7
Dyna-Gro 37A44	2	10-04	42	2	70.1	37.9	54.0
Terral TV47R17	2	10-08	42	3	70.1	--	--
Morsoy RT 4806N	4	10-03	46	4	69.9	40.1	55.0
Southern Cross Rufus	Untreated	9-30	38	2	69.7	--	--
Delta Pine DP 4888 RR/S	Untreated	10-06	42	2	69.6	42.7	56.2
Terral TV49R27	2	10-08	39	4	69.3	--	--
Dyna-Gro 36Y48	3	10-08	42	2	69.2	37.8	53.5
UniSouth USG 7495NRS	4	10-08	39	2	69.1	40.6	54.9
Gateway 4R492	4	10-05	42	2	69.1	--	--
Pioneer 94M80	4	10-03	36	3	69.0	37.0	53.0
Gateway 4RS497	4	10-06	38	3	69.0	--	--
Dyna-Gro 36C44	3	9-30	33	2	68.9	--	--
Morsoy RT 4485N	4	9-28	41	2	68.8	40.9	54.9
Mersch. Memphis 943RR	1, 7, 11	9-29	34	2	68.8	--	--
Trisoy 4788RR(CN)	1, 5, 7	10-06	36	2	68.5	--	--
UniSouth USG 74G78	4	10-07	37	2	68.4	--	--
Morsoy RTS 4955N	4	10-08	39	3	68.3	41.6	55.0
Pioneer 94Y70	4	9-29	38	2	67.6	--	--
Hornbeck HBK R4924	2, 6	10-06	42	2	67.5	44.0	55.8
UniSouth USG 74A88	4	10-04	39	3	67.4	--	--
Delta Grow 4780RR	2, 6	10-05	42	2	67.3	45.3	56.3
Delta Grow 4770RR	2, 6	10-01	39	3	67.2	39.0	53.1
Progeny 4606 RR	2	10-06	34	2	67.1	43.3	55.2
Trisoy 4760RR(CN)	1, 5, 7	10-06	40	2	67.0	39.4	53.2
Delta Grow 4840RR	2, 6	10-05	36	2	66.9	41.0	54.0
Dyna-Gro 32R46	3	10-06	34	2	66.9	36.1	51.5

TABLE 38. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Armor ARX 4560	4	10-06	36	2	66.7	42.3	54.5
Dyna-Gro 32P48	2	10-05	39	3	66.6	--	--
UniSouth USG 74A27	4	9-30	36	1	66.5	40.6	53.6
Armor 48-J3	4	10-06	42	3	66.5	--	--
Dyna-Gro 37P49	2	10-06	34	2	66.4	40.9	53.7
Armor 44-K6	4	10-01	30	1	66.4	--	--
Southern Cross Eli	Untreated	10-06	33	1	66.4	43.0	54.7
Crow's C4820R	Untreated	10-01	37	3	66.3	--	--
Hornbeck HBK R4727	2, 6	10-06	39	3	66.2	44.4	55.3
Progeny 4908 RR	2	10-06	36	2	66.0	--	--
Trisoy 4586RR(CN)	1, 5, 7	9-27	30	2	65.9	--	--
Morsoy RT 4888N	4	10-04	42	3	65.9	--	--
Asgrow AG4005	2	9-30	39	2	65.9	--	--
Mersch. Houston 747RR	1, 7, 11	10-09	33	2	65.8	44.0	54.9
MPG 4907nRR/STS	7	10-06	36	2	65.6	38.5	52.1
Gateway 4RS477	4	10-06	37	1	65.5	42.4	54.0
MPG 4905nRR	7	10-05	32	2	65.5	--	--
Asgrow AG4703	2	10-05	33	3	65.2	42.6	53.9
Morsoy RTS 4488N	4	10-03	33	2	65.1	--	--
NK S46-U6 Brand	4	10-05	42	2	65.1	52.3**	58.7
MPG 4808RR	7	10-06	45	3	65.0	40.2	52.6
Asgrow AG4606	2	10-03	39	3	65.0	--	--
Progeny 4408 RR	2	10-03	31	2	65.0	--	--
MPG XSSRR46594	7	10-06	39	2	65.0	--	--
Trisoy 4184RR(CN)	1, 5, 7	9-23	36	3	64.9	--	--
Delta Grow 4820RR	2, 6	10-01	41	2	64.8	--	--
Delta Grow 4975LARR	2, 6	10-05	39	2	64.8	38.2	51.5
MPG 4509nRR/STS	7	9-29	31	2	64.8	--	--
Dyna-Gro 33Y45	3	9-30	40	2	64.7	40.0	52.4
UniSouth USG 74E68	4	9-27	39	3	64.6	--	--
Terral TV47R18	2	10-06	42	3	64.5	--	--
Armor 42-M1	4	10-05	33	2	64.5	--	--
Mersch. Santa Fe 945RR	1, 7, 11	10-06	36	2	64.5	--	--
UniSouth USG 74H48	4	9-25	36	2	64.5	--	--
Armor 47-F8	4	10-04	33	2	64.4	41.1	52.8
Dairyland 4500/RRSTS	4	10-03	36	2	64.4	--	--
Delta Grow 4870RR	2, 6	10-04	36	3	64.4	--	--
Progeny 4508 RR	2	9-30	36	3	64.2	--	--
MPG 4909nRR	7	10-04	36	2	64.1	--	--
Asgrow AG4903	Untreated	10-05	34	2	64.0	47.3*	55.7
Pioneer 94Y90	4	10-02	42	2	64.0	--	--
Southern Cross Caleb	Untreated	10-01	33	2	64.0	35.4	49.7
Schillinger 478.RCS	Untreated	10-03	36	2	63.9	--	--
Asgrow AG4303	2	10-03	33	2	63.6	--	--
Progeny 4718 RR	2	10-03	39	3	63.6	--	--
Mersch. Phoenix 940RR	1, 7, 11	9-26	33	2	63.6	--	--
Asgrow AG4705	2	10-07	38	3	63.5	--	--
Asgrow AG4907	Untreated	10-07	48	3	63.5	--	--
MPG 4406nRR	7	10-01	36	2	63.3	43.1	53.2
Progeny 4706 RR	2	10-05	41	3	63.1	34.1	48.6
Progeny 4918 RR	2	10-04	39	2	63.0	--	--
S05-4604	2	10-05	33	3	63.0	--	--
Asgrow AG4404	2	9-27	39	3	62.9	--	--

TABLE 38. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
UniSouth USG 74T98	4	10-07	36	2	62.7	--	--
Morsoy RTS 4706N	4	10-06	35	1	62.6	42.4	52.5
Pioneer 94Y10	4	9-29	36	2	62.5	--	--
Morsoy RT 4707N	4	10-01	36	2	62.4	47.5*	55.0
Dairyland 4300/RR	4	9-30	33	2	62.3	--	--
Gateway 4RS449	4	10-02	33	2	62.2	--	--
Pioneer 94Y20	4	9-24	39	3	62.2	--	--
Dairyland 8482/RR	4	10-06	39	2	62.0	--	--
Progeny 4807 RR	2	10-06	42	2	61.9	45.7	53.8
Pioneer 94Y60	4	10-01	36	3	61.9	--	--
Armor ARX 4717	4	10-06	45	2	61.8	--	--
UniSouth USG 74F78	4	10-03	36	1	61.7	39.7	50.7
Morsoy RT 4688N	4	10-02	39	3	61.7	--	--
Mersch. Rocky RR	1, 7, 11	10-05	39	1	61.6	43.8	52.7
Delta King DK4667	4	10-06	42	3	61.6	43.4	52.5
Delta Grow 4150RR	2, 6	9-26	36	2	61.5	33.0	47.3
MPG 4707nRR/STS	7	9-28	36	2	61.3	43.2	52.3
Delta Grow 4970RR	2, 6	10-06	30	2	61.3	40.6	51.0
Mersch. Norfolk 741RR	1, 7, 11	9-29	36	2	61.2	46.7	54.0
Hornbeck HBK R4527	2, 6	9-28	45	3	60.4	45.2	52.8
NK S49-H7 Brand	4	10-06	45	3	60.3	40.0	50.2
NK S45-E5 Brand	4	9-24	42	2	60.2	40.0	50.1
NK S49-W6 Brand	4	10-08	43	2	59.9	--	--
Progeny 4906 RR	2	10-05	39	3	59.7	42.3	51.0
Progeny 4949 RR	2	10-06	42	2	59.5	43.6	51.6
Progeny 4405 RR	2	10-01	39	3	58.8	--	--
Delta Grow 4470RR/STS	2, 6	10-01	30	2	58.8	39.9	49.4
Dairyland DST47-001/RR	4	10-07	37	2	58.5	--	--
Progeny 4206 RR	2	9-30	36	2	58.1	31.7	44.9
Stine 4782-4	Untreated	10-06	32	1	57.0	38.3	47.7
Mersch. Richmond 649RR	1, 7, 11	10-08	45	2	55.7	42.6	49.2
Delta King DKXTJ946	4	9-26	43	3	55.7	--	--
Delta Pine DP 4546 RR	Untreated	9-29	48	3	55.6	45.1	50.4
Terral TV46R19	2	9-25	41	3	55.5	--	--
Schillinger 457.RCP	Untreated	10-01	45	3	53.6	49.3*	51.5
Terral TV49R19	2	9-25	39	2	49.9	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-03</b>	<b>38</b>	<b>2</b>	<b>64.6</b>	<b>40.8</b>	<b>52.7</b>
<b>L.S.D. AT .10</b>					<b>6.9</b>	<b>5.4</b>	
<b>C.V. %</b>					<b>7.6</b>	<b>9.4</b>	

**MATURITY GROUP 5**

Delta Grow 5170RR	2, 6	10-07	36	1	66.2**	--	--
Asgrow AG5405	Untreated	10-11	30	2	63.5*	--	--
Armor 55-A5	4	10-10	31	1	63.3*	51.7	57.5
Delta Grow 5160RR/STS	2, 6	10-11	42	2	63.2*	40.9	52.1
NK S56-D7	4	10-10	33	3	63.1*	--	--
UniSouth USG Allen	4	10-10	39	3	62.3*	51.5	56.9
Delta Grow 5555RR	2, 6	10-09	45	3	62.2*	--	--
Morsoy RT 5388N	4	10-14	42	2	62.1*	--	--
Delta Pine DP 5335 RR/S	Untreated	10-08	45	2	62.0*	45.1	53.6
Progeny 5115 RR	2	10-06	39	2	61.8*	44.4	53.1

TABLE 38. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	
UniSouth USG 7553NRS	4	10-08	37	2	61.5*	48.7	55.1
Terral TV52R28	2	10-09	45	3	61.5*	--	--
Gateway 5R501	4	10-07	39	2	61.3*	45.1	53.2
UniSouth USG 75J18	4	10-06	33	2	61.2*	--	--
MPG 5505nRR/STS	7	10-11	42	2	61.1*	51.4	56.3
MPG 5308nRR	7	10-08	36	3	60.9*	44.4	52.7
Terral TV59R16	2	10-14	34	3	60.9*	--	--
Dairyland 8509/RR	4	10-08	45	3	60.6*	--	--
Pioneer 95Y40	4	10-08	45	3	60.4*	--	--
MPG 5407nRR	7	10-10	45	3	60.3*	47.6	54.0
Delta Grow 5450RR	2, 6	10-12	45	2	59.9*	--	--
Schillinger 557.RC	Untreated	10-12	30	3	59.9*	54.6	57.3
Dyna-Gro 32A53	2	10-12	36	4	59.6*	52.3	56.0
Armor GP-533	4	10-11	39	2	59.5	48.7	54.1
Progeny 5408 RR	2	10-09	36	1	59.4	--	--
Armor 53-Z5	4	10-11	31	2	59.2	48.3	53.8
Pioneer 95Y20	4	10-07	36	2	59.1	--	--
Morsoy RT 5168N	4	10-08	39	1	59.0	--	--
Progeny 5622 RR	2	10-10	36	3	59.0	--	--
Delta Grow 5280RR	2, 6	10-12	36	3	58.9	--	--
Asgrow AG5304	Untreated	10-08	33	1	58.7	--	--
Mersch. Rushmore 959RR	1, 7, 11	10-15	36	3	58.4	--	--
UniSouth USG 75J47	4	10-09	36	1	58.4	46.4	52.4
Dyna-Gro 32B57	2	10-12	33	3	58.3	--	--
UniSouth USG 75Z38	4	10-11	33	3	58.2	--	--
Midwest Seed Gen. GR5434	Untreated	10-06	36	2	58.0	--	--
Progeny 5107 RR	2	10-07	42	2	57.8	43.1	50.5
Pioneer 95M50	2	10-11	30	3	57.5	54.8	56.2
Progeny 5108 RR	2	10-07	42	2	57.5	--	--
Crow's C5417R	Untreated	10-11	42	2	57.3	--	--
Progeny 5218 RR	2	10-12	33	4	57.1	--	--
Hornbeck HBK R5525	2, 6	10-11	39	3	57.0	47.4	52.2
Delta Grow 5300RR	2, 6	10-13	42	2	56.9	44.3	50.6
Hornbeck HBK R5226	2, 6	10-12	36	2	56.7	54.4	55.6
Mersch. Everest RR	1, 7, 11	10-12	39	2	56.6	--	--
Morsoy RT 5688N	4	10-13	36	3	56.6	--	--
Morsoy RT 5288N	4	10-09	36	3	56.2	--	--
Terral TV55R15	2	10-10	42	3	56.1	--	--
Terral TV54R28	2	10-12	39	2	55.8	--	--
Hornbeck HBK RS5227	2, 6	10-12	42	2	55.8	43.1	49.5
Southern Cross Damascus	Untreated	10-06	36	3	55.7	39.6	47.7
UniSouth USG 7515NRS	4	10-06	36	2	55.6	37.4	46.5
Delta King DK52-K6	4	10-11	33	3	55.6	52.3	54.0
Morsoy RT 5506N	4	10-11	33	3	55.5	46.9	51.2
Dyna-Gro 3583	2	10-11	37	3	55.5	59.7	57.6
NK S52-F2 Brand	4	10-11	33	2	55.4	--	--
Hornbeck HBK R5425	2, 6	10-11	42	2	54.9	57.4	56.2
Dairyland 8512/RR	4	10-11	42	3	54.8	--	--
Dyna-Gro 33P54	2	10-12	31	1	54.8	44.1	49.5
Delta Grow 5570RR/STS	2, 6	10-10	36	3	54.7	--	--
Dyna-Gro 33B52	2	10-09	33	4	54.5	48.4	51.5
Progeny 5308 RR	2	10-12	36	3	54.4	--	--

TABLE 38. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
AG South AGS 568RR	Untreated	10-10	42	3	54.2	--	--
Dyna-Gro 33X55	2	10-12	39	3	54.0	55.8	54.9
Dyna-Gro 33C59	2	10-12	39	3	53.8	68.4**	61.1
Asgrow AG5503	Untreated	10-04	36	2	53.8	--	--
Progeny 5208 RR	2	10-06	45	3	53.6	--	--
UniSouth USG 75J32	4	10-10	42	2	52.0	51.0	51.5
Dyna-Gro 35F55	2	10-11	39	3	51.6	--	--
Progeny 5650 RR	2	10-15	39	3	50.7	48.8	49.8
Eagle Seed ES5555RR	2, 6	10-12	35	3	50.2	--	--
Dyna-Gro 31R54	2	10-12	33	2	48.1	45.1	46.6
<b>GROUP 5 AVERAGE</b>		<b>10-10</b>	<b>38</b>	<b>2</b>	<b>57.8</b>	<b>48.3</b>	<b>53.1</b>
<b>L.S.D. AT .10</b>					<b>6.6</b>	<b>6.0</b>	
<b>C.V. %</b>					<b>8.0</b>	<b>8.8</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 39. Glyphosate Resistant Soybean Test**

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

Soil Type: Tiptonville Silt Loam Soil Test: pH=5.9 , OM=1.4 % , P=88 , K=332

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=3.4 , June=1.2 , July=3.0 , Aug. =1.0, Sept.=3.0 Total= 11.6

Irrigation: 18.3 in.

Brand-Variety	Seed Treatment <sup>†</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 3</b>							
NK S39-A3 Brand	4	9-09	36	2	88.7**	--	--
Hornbeck HBK R3927	2, 6	9-12	48	2	83.7*	--	--
Armor ARX 938	4	9-08	30	1	81.7	--	--
Armor 38-G2	4	9-09	36	1	79.5	--	--
S04-20912	2	9-12	36	1	77.6	--	--
S04-3924	2	9-12	37	1	77.6	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-10</b>	<b>37</b>	<b>1</b>	<b>81.5</b>	<b>30.9</b>	<b>56.2</b>
<b>L.S.D. AT .10</b>					<b>5.9</b>	<b>3.8</b>	
<b>C.V. %</b>					<b>5.9</b>	<b>9.7</b>	
<b>MATURITY GROUP 4</b>							
Hornbeck HBK R4924	2, 6	9-22	50	4	90.9**	42.1	66.5
Morsoy RTS 4955N	4	9-21	45	3	89.9*	42.3	66.1
UniSouth USG 74H48	4	9-14	45	2	88.1*	--	--
Gateway 4R492	4	9-20	50	2	88.1*	--	--
MPG XSSRR46594	7	9-22	45	3	87.6*	--	--
Delta Grow 4975LARR	2, 6	9-21	42	2	87.1*	54.3**	70.7
Trisoy 4586RR(CN)	1, 5, 7	9-11	33	1	86.3*	--	--
Delta Grow 4460RR	2, 6	9-15	51	1	85.9*	39.8	62.9
Gateway 4RS497	4	9-19	42	2	85.5*	--	--
UniSouth USG 7495NRS	4	9-21	39	2	85.5*	46.3	65.9
Delta King DKXTJ848	4	9-18	37	2	85.4*	42.7	64.1
Mersch. Rocky RR	1, 7, 11	9-16	42	2	85.0*	45.6	65.3
Armor 47-F8	4	9-20	39	2	84.9*	44.3	64.6
Gateway 4RS449	4	9-12	38	1	84.4*	--	--
Dyna-Gro 36C44	3	9-12	30	2	84.2*	--	--
Morsoy RTS 4706N	4	9-16	36	2	84.0*	43.6	63.8
Dyna-Gro 37P49	2	9-22	42	3	83.9*	47.4*	65.7
Gateway 4RS477	4	9-17	39	1	83.2*	41.7	62.5
Morsoy RTS 4488N	4	9-16	30	1	83.2*	--	--
Dyna-Gro 32R46	3	9-17	38	1	83.1*	44.6	63.9
Armor 42-M1	4	9-17	33	2	82.7*	--	--
Asgrow AG4703	2	9-17	33	2	82.6*	46.2	64.4
Schillinger 478.RCS	Untreated	9-21	37	2	82.2	--	--
UniSouth USG 74A27	4	9-11	33	1	81.8	46.0	63.9
MPG 4509nRR/STS	7	9-10	27	1	81.6	--	--
Armor 44-K6	4	9-14	36	2	81.6	--	--
Mersch. Houston 747RR	1, 7, 11	9-20	42	2	81.6	38.0	59.8
Delta Grow 4840RR	2, 6	9-15	42	2	80.4	44.7	62.6
Pioneer 94Y20	4	9-14	39	2	80.4	--	--
Trisoy 4184RR(CN)	1, 5, 7	9-10	42	1	80.3	--	--
Delta Pine DP 4888 RR/S	Untreated	9-17	46	3	80.2	50.5*	65.4
Progeny 4508 RR	2	9-20	45	2	80.2	--	--



TABLE 39. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
					-----bu/acre-----		
Pioneer 94Y70	4	9-18	39	2	80.1	--	--
Dyna-Gro 36Y48	3	9-23	45	3	80.1	46.3	63.2
Mersch. Nashville 749RR	1, 7, 11	9-21	39	3	79.9	40.7	60.3
MPG 4707nRR/STS	7	9-11	36	3	79.8	43.8	61.8
Morsoy RTS 4556N	4	9-14	36	2	79.5	43.2	61.4
Asgrow AG4903	Untreated	9-20	42	3	79.4	46.2	62.8
Morsoy RT 4485N	4	9-18	45	3	79.4	44.8	62.1
Trisoy 4788RR(CN)	1, 5, 7	9-16	45	2	79.1	--	--
MPG 4808RR	7	9-22	47	3	78.7	41.2	60.0
Mersch. Memphis 943RR	1, 7, 11	9-12	33	2	78.6	--	--
UniSouth USG 74G78	4	9-20	36	2	78.3	--	--
Morsoy RT 4888N	4	9-19	45	3	78.1	--	--
Progeny 4206 RR	2	9-15	36	1	78.0	35.3	56.7
Asgrow AG4303	2	9-12	34	1	77.9	--	--
Mersch. Norfolk 741RR	1, 7, 11	9-13	33	1	77.9	38.2	58.1
Progeny 4906 RR	2	9-21	45	3	77.3	43.9	60.6
Mersch. Santa Fe 945RR	1, 7, 11	9-20	36	2	77.1	--	--
Southern Cross Rufus	Untreated	9-11	36	1	77.0	--	--
Dyna-Gro 37A44	2	9-17	45	3	76.9	36.5	56.7
Trisoy 4760RR(CN)	1, 5, 7	9-18	35	1	76.9	43.5	60.2
Terral TV47R18	2	9-22	45	2	76.8	--	--
Armor ARX 4560	4	9-20	35	2	76.7	40.6	58.7
NK S46-U6 Brand	4	9-22	33	3	76.7	46.2	61.5
Pioneer 94M80	4	9-16	39	2	76.3	43.2	59.8
Mersch. Richmond 649RR	1, 7, 11	9-24	48	3	76.3	40.9	58.6
Dyna-Gro 32P48	2	9-17	45	2	76.1	--	--
Pioneer 94Y60	4	9-18	36	2	76.1	--	--
MPG 4406nRR	7	9-16	45	2	76.0	46.0	61.0
MPG 4909nRR	7	9-19	42	2	75.6	--	--
Delta Grow 4870RR	2, 6	9-21	40	3	75.2	--	--
Pioneer 94Y90	4	9-22	42	3	74.8	--	--
Morsoy RT 4806N	4	9-16	33	2	74.6	41.0	57.8
Crow's C4820R	Untreated	9-14	39	1	74.6	--	--
UniSouth USG 74A88	4	9-20	39	2	74.5	--	--
Terral TV49R27	2	9-20	42	2	74.4	--	--
MPG 4907nRR/STS	7	9-24	45	3	74.4	34.3	54.4
NK S49-H7 Brand	4	9-22	42	3	74.2	44.6	59.4
Progeny 4908 RR	2	9-21	42	4	74.1	--	--
Dyna-Gro 33Y45	3	9-14	36	1	74.0	45.0	59.5
Delta King DK4667	4	9-16	42	1	73.5	40.5	57.0
Armor 48-J3	4	9-21	35	2	73.5	--	--
S05-4604	2	9-20	35	2	73.3	--	--
Asgrow AG4907	Untreated	9-21	45	3	73.1	--	--
Hornbeck HBK R4527	2, 6	9-12	47	1	72.6	40.9	56.8
Progeny 4408 RR	2	9-12	33	1	72.6	--	--
Armor ARX 4717	4	9-21	30	2	72.3	--	--
Schillinger 495.RC	Untreated	9-21	42	2	72.1	34.1	53.1
Stine 4782-4	Untreated	9-18	38	2	72.0	42.6	57.3
MPG 4905nRR	7	9-11	42	1	71.4	--	--
Asgrow AG4606	2	9-18	42	2	71.3	--	--
UniSouth USG 74T98	4	9-20	27	1	71.2	--	--
Dairyland 8482/RR	4	9-22	39	2	70.8	--	--
Progeny 4949 RR	2	9-20	42	3	70.8	47.6*	59.2

TABLE 39. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
UniSouth USG 74F78	4	9-19	42	2	70.7	42.5	56.6
Progeny 4718 RR	2	9-17	42	3	70.2	--	--
Delta Grow 4780RR	2, 6	9-21	42	3	70.2	43.4	56.8
Morsoy RT 4688N	4	9-19	35	3	70.0	--	--
Progeny 4405 RR	2	9-18	46	2	69.2	--	--
Southern Cross Galilee	Untreated	9-19	39	2	69.1	38.1	53.6
Progeny 4606 RR	2	9-16	33	1	69.0	38.1	53.6
Progeny 4706 RR	2	9-18	34	2	68.7	42.8	55.8
Delta Grow 4770RR	2, 6	9-17	38	2	68.5	44.9	56.7
Southern Cross Eli	Untreated	9-19	30	2	68.2	39.5	53.9
Dairyland 4500/RRSTS	4	9-17	42	2	67.9	--	--
Progeny 4918 RR	2	9-18	40	2	67.5	--	--
Hornbeck HBK R4727	2, 6	9-21	30	3	67.3	39.6	53.5
Morsoy RT 4707N	4	9-18	41	3	67.2	27.9	47.6
Schillinger 457.RCP	Untreated	9-15	42	2	67.2	38.2	52.7
Delta King DKXTJ946	4	9-14	45	1	67.2	--	--
Southern Cross Caleb	Untreated	9-14	31	1	66.9	48.0*	57.5
Asgrow AG4005	2	9-10	33	1	66.4	--	--
Delta Pine DP 4546 RR	Untreated	9-16	48	1	66.3	41.5	53.9
Delta Grow 4150RR	2, 6	9-16	39	1	65.9	42.8	54.4
Asgrow AG4705	2	9-15	42	2	65.7	--	--
UniSouth USG 74E68	4	9-10	36	1	65.2	--	--
Delta Grow 4820RR	2, 6	9-20	39	2	65.1	--	--
Asgrow AG4404	2	9-16	33	1	64.6	--	--
Terral TV47R17	2	9-25	54	4	64.5	--	--
Delta Grow 4970RR	2, 6	9-12	33	2	64.4	38.9	51.7
Terral TV46R19	2	9-14	44	1	64.3	--	--
Delta Grow 4470RR/STS	2, 6	9-13	33	3	64.3	52.4*	58.4
NK S45-E5 Brand	4	9-14	39	1	64.3	38.6	51.5
Mersch. Phoenix 940RR	1, 7, 11	9-10	36	1	64.0	--	--
NK S49-W6 Brand	4	9-23	42	3	63.9	--	--
Pioneer 94Y10	4	9-10	36	1	62.1	--	--
Dairyland 4300/RR	4	9-16	33	2	61.4	--	--
Progeny 4807 RR	2	9-19	35	3	60.6	47.8*	54.2
Terral TV49R19	2	9-22	43	3	53.2	--	--
Dairyland DST47-001/RR	4	9-19	36	4	39.1	--	--
<b>GROUP 4 AVERAGE</b>		<b>9-17</b>	<b>39</b>	<b>2</b>	<b>74.8</b>	<b>42.8</b>	<b>58.8</b>
<b>L.S.D. AT .10</b>					<b>8.7</b>	<b>7.4</b>	
<b>C.V. %</b>					<b>8.2</b>	<b>12.2</b>	

**MATURITY GROUP 5**

UniSouth USG 7515NRS	4	9-21	39	3	86.4**	45.5	66.0
Delta Grow 5160RR/STS	2, 6	9-22	42	2	84.1*	54.2*	69.2
Morsoy RT 5168N	4	9-26	45	2	83.2*	--	--
Asgrow AG5304	Untreated	9-29	30	1	82.2*	--	--
Delta Grow 5170RR	2, 6	9-23	36	3	82.0*	--	--
MPG 5505nRR/STS	7	9-27	27	1	77.6*	50.3	64.0
Delta Pine DP 5335 RR/S	Untreated	10-07	45	2	76.2	53.0*	64.6
Delta Grow 5300RR	2, 6	10-06	31	1	76.0	46.3	61.2
Pioneer 95Y40	4	10-06	24	1	75.9	--	--
Gateway 5R501	4	9-22	39	2	71.7	43.0	57.4

TABLE 39. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
UniSouth USG 75J47	4	10-07	27	1	71.5	35.8	53.7
Morsoy RT 5388N	4	10-07	33	1	71.3	--	--
Progeny 5108 RR	2	9-25	45	1	71.2	--	--
Pioneer 95M50	2	10-06	30	2	71.0	45.3	58.2
Dyna-Gro 31R54	2	9-28	33	1	70.8	45.0	57.9
Armor 53-Z5	4	10-06	30	1	70.7	52.9*	61.8
Progeny 5115 RR	2	9-26	39	2	70.6	46.4	58.5
MPG 5308nRR	7	9-30	31	2	69.6	54.3*	62.0
Dyna-Gro 3583	2	10-09	33	2	69.1	54.9*	62.0
Dairyland 8509/RR	4	9-22	36	2	68.9	--	--
Crow's C5417R	Untreated	10-04	30	1	68.5	--	--
Delta Grow 5570RR/STS	2, 6	9-29	34	1	68.4	--	--
UniSouth USG 75J18	4	9-20	30	1	68.4	--	--
Hornbeck HBK R5425	2, 6	10-06	49	4	68.2	51.6	59.9
Hornbeck HBK RS5227	2, 6	9-27	27	1	67.9	42.0	55.0
Asgrow AG5405	Untreated	9-29	25	1	67.3	--	--
NK S52-F2 Brand	4	9-27	33	1	66.9	--	--
UniSouth USG 7553NRS	4	10-07	27	1	66.6	45.2	55.9
Morsoy RT 5688N	4	10-09	33	2	66.1	--	--
Progeny 5107 RR	2	9-29	45	2	65.3	33.1	49.2
MPG 5407nRR	7	9-26	39	1	65.1	47.8	56.5
Dyna-Gro 33C59	2	10-08	24	2	64.2	58.1*	61.2
Dyna-Gro 33P54	2	9-30	33	1	64.1	41.1	52.6
Progeny 5622 RR	2	10-11	27	2	63.8	--	--
Progeny 5308 RR	2	10-07	24	2	63.6	--	--
Dyna-Gro 33B52	2	10-08	27	1	63.5	54.5*	59.0
Terral TV54R28	2	10-06	27	2	63.3	--	--
Morsoy RT 5506N	4	9-29	27	2	62.9	54.6*	58.8
Terral TV59R16	2	10-07	36	2	62.8	--	--
Morsoy RT 5288N	4	9-29	27	2	62.6	--	--
UniSouth USG 75J32	4	10-05	30	1	62.5	51.0	56.8
Delta Grow 5555RR	2, 6	10-07	33	2	62.0	--	--
Southern Cross Damascus	Untreated	9-25	--	0	61.8	45.8	53.8
Mersch. Everest RR	1, 7, 11	10-08	24	1	61.4	--	--
Schillinger 557.RC	Untreated	10-07	22	1	61.4	45.3	53.4
Mersch. Rushmore 959RR	1, 7, 11	10-06	30	2	61.0	--	--
UniSouth USG Allen	4	10-10	30	2	60.8	47.8	54.3
Dyna-Gro 32B57	2	10-05	30	1	60.6	--	--
Armor GP-533	4	9-25	25	1	60.2	51.9	56.1
Terral TV55R15	2	10-06	33	2	59.9	--	--
Progeny 5218 RR	2	10-06	30	3	59.8	--	--
Midwest Seed Gen. GR5434	Untreated	10-07	24	2	59.5	--	--
Delta Grow 5450RR	2, 6	10-13	30	1	59.2	--	--
Progeny 5408 RR	2	9-26	27	1	58.2	--	--
Asgrow AG5503	Untreated	9-30	39	3	58.1	--	--
Progeny 5208 RR	2	9-25	36	1	57.8	--	--
UniSouth USG 75Z38	4	9-27	30	2	57.6	--	--
Terral TV52R28	2	9-25	30	1	57.5	--	--
Dairyland 8512/RR	4	10-07	42	2	57.3	--	--
Progeny 5650 RR	2	10-08	24	3	56.6	59.6**	58.1
Dyna-Gro 32A53	2	9-27	33	1	55.9	52.1	54.0
Delta King DK52-K6	4	10-06	27	1	55.3	47.8	51.6
Dyna-Gro 33X55	2	10-06	24	1	55.3	51.9	53.6

TABLE 39. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Eagle Seed ES5555RR	2, 6	9-25	24	1	54.7	--	--
AG South AGS 568RR	Untreated	9-28	24	1	54.6	--	--
Hornbeck HBK R5226	2, 6	9-29	27	3	54.5	54.8*	54.7
NK S56-D7	4	9-27	24	1	54.4	--	--
Delta Grow 5280RR	2, 6	10-05	27	2	54.0	--	--
Pioneer 95Y20	4	10-07	24	1	53.7	--	--
Armor 55-A5	4	10-06	12	1	53.6	57.0*	55.3
Hornbeck HBK R5525	2, 6	10-07	27	1	53.3	47.3	50.3
Dyna-Gro 35F55	2	9-28	33	2	52.8	--	--
<b>GROUP 5 AVERAGE</b>		<b>10-02</b>	<b>31</b>	<b>2</b>	<b>64.7</b>	<b>46.8</b>	<b>55.8</b>
<b>L.S.D. AT .10</b>					<b>9.3</b>	<b>7.2</b>	
<b>C.V. %</b>					<b>10.2</b>	<b>11.6</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 40. Glyphosate Resistant Soybean Test**

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

Soil Type: Portageville Clay Soil Test: pH=6.7, OM=2.3%, P=42, K=564

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

Rainfall: May=3.4, June=1.2, July=3.0, Aug.=1.0, Sept.=3.0 Total= 11.6

Irrigation: 15.2 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
					-----bu/acre-----		
<b>MATURITY GROUP 3</b>							
S04-3924	2	9-18	33	1	53.7**	--	--
NK S39-A3 Brand	4	9-15	27	1	52.2*	--	--
Armor ARX 938	4	9-15	24	1	51.9*	--	--
S04-20912	2	9-20	30	1	48.2	--	--
Hornbeck HBK R3927	2, 6	9-20	39	2	42.6	--	--
Armor 38-G2	4	9-15	28	1	41.0	--	--
<b>GROUP 3 AVERAGE</b>		<b>9-17</b>	<b>30</b>	<b>1</b>	<b>48.3</b>	<b>57.4</b>	<b>52.9</b>
<b>L.S.D. AT .10</b>					<b>4.0</b>	<b>6.0</b>	
<b>C.V. %</b>					<b>6.9</b>	<b>8.2</b>	
<b>MATURITY GROUP 4</b>							
MPG XSSRR46594	7	9-27	33	2	66.7**	--	--
Morsoy RT 4888N	4	9-24	42	3	65.9*	--	--
Progeny 4918 RR	2	9-27	30	2	63.5*	--	--
Gateway 4R492	4	9-26	36	2	63.4*	--	--
Terral TV47R17	2	10-03	39	3	62.4*	--	--
Progeny 4906 RR	2	9-27	36	3	62.2*	59.0	60.6
UniSouth USG 74A88	4	9-26	33	3	62.1*	--	--
Terral TV49R27	2	9-28	36	3	61.5*	--	--
UniSouth USG 74A27	4	9-16	30	1	61.0*	56.9	59.0
Mersch. Norfolk 741RR	1, 7, 11	9-23	33	2	60.5*	57.9	59.2
Dyna-Gro 32P48	2	9-25	32	2	60.5*	--	--
Armor ARX 4560	4	9-25	28	2	60.3*	65.6*	63.0
Delta King DKXTJ848	4	9-27	33	1	60.1*	63.1*	61.6
Morsoy RT 4806N	4	9-22	36	3	59.6*	53.5	56.6
UniSouth USG 74H48	4	9-25	32	3	59.4*	--	--
NK S46-U6 Brand	4	9-28	34	1	59.1	58.8	59.0
Morsoy RTS 4488N	4	9-25	30	1	59.1	--	--
Mersch. Santa Fe 945RR	1, 7, 11	9-24	30	2	59.0	--	--
Morsoy RT 4688N	4	9-27	30	1	58.7	--	--
MPG 4909nRR	7	9-26	30	3	58.6	--	--
Mersch. Nashville 749RR	1, 7, 11	9-27	30	1	58.5	66.1*	62.3
Pioneer 94Y10	4	9-22	36	3	58.5	--	--
Dyna-Gro 37P49	2	9-29	30	2	57.9	60.8	59.4
Armor 42-M1	4	9-27	28	1	57.8	--	--
Delta Grow 4975LARR	2, 6	9-25	33	2	57.7	59.2	58.5
Delta Grow 4870RR	2, 6	9-24	33	3	57.6	--	--
Trisoy 4788RR(CN)	1, 5, 7	9-28	37	3	57.5	--	--
Schillinger 495.RC	Untreated	9-29	33	2	57.3	60.8	59.1
Morsoy RTS 4556N	4	9-24	33	2	57.3	56.7	57.0
Progeny 4206 RR	2	9-27	34	2	57.0	56.6	56.8
Hornbeck HBK R4527	2, 6	9-25	42	3	57.0	54.0	55.5
Delta Grow 4770RR	2, 6	9-27	33	3	56.9	54.1	55.5

TABLE 40. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
UniSouth USG 74F78	4	9-27	28	2	56.6	51.6	54.1
Armor 48-J3	4	9-29	33	1	56.4	--	--
Hornbeck HBK R4727	2, 6	9-26	33	2	56.4	56.3	56.4
Gateway 4RS497	4	9-29	36	1	56.4	--	--
MPG 4907nRR/STS	7	9-29	37	2	56.3	61.3*	58.8
Pioneer 94M80	4	9-27	33	3	56.3	55.9	56.1
Delta Pine DP 4888 RR/S	Untreated	9-26	33	3	56.2	66.3**	61.3
UniSouth USG 74G78	4	9-25	31	2	56.1	--	--
Morsoy RTS 4955N	4	9-29	39	3	56.1	60.3	58.2
Morsoy RT 4707N	4	9-28	30	2	55.9	54.9	55.4
Schillinger 457.RCP	Untreated	9-27	33	2	55.6	57.1	56.4
Schillinger 478.RCS	Untreated	9-26	35	3	55.6	--	--
Southern Cross Galilee	Untreated	9-27	33	2	55.5	64.5*	60.0
Pioneer 94Y60	4	9-26	33	1	55.3	--	--
Delta Grow 4780RR	2, 6	9-29	33	3	55.2	58.7	57.0
Mersch. Houston 747RR	1, 7, 11	9-29	27	1	55.2	52.5	53.9
Delta King DK4667	4	9-24	42	4	55.1	53.5	54.3
UniSouth USG 74E68	4	9-14	39	1	55.0	--	--
Progeny 4718 RR	2	9-24	36	2	54.7	--	--
MPG 4509nRR/STS	7	9-27	27	1	54.5	--	--
Morsoy RTS 4706N	4	9-28	35	1	54.5	51.9	53.2
Progeny 4508 RR	2	9-25	33	1	54.4	--	--
MPG 4905nRR	7	9-25	31	3	54.2	--	--
NK S45-E5 Brand	4	9-20	33	2	54.2	49.7	52.0
Crow's C4820R	Untreated	9-21	33	1	54.1	--	--
Progeny 4706 RR	2	9-23	34	3	54.1	55.5	54.8
Armor 47-F8	4	9-24	32	2	53.7	53.5	53.6
Gateway 4RS449	4	9-28	27	1	53.6	--	--
Dyna-Gro 36Y48	3	9-29	31	2	53.6	56.8	55.2
Delta Grow 4820RR	2, 6	9-27	30	2	53.6	--	--
Delta Pine DP 4546 RR	Untreated	9-25	28	2	53.4	59.1	56.3
Dyna-Gro 33Y45	3	9-25	27	1	53.3	63.1*	58.2
Terral TV46R19	2	9-26	32	2	53.2	--	--
Armor 44-K6	4	9-21	27	1	53.1	--	--
Delta King DKXTJ946	4	9-25	36	3	52.8	--	--
Dyna-Gro 32R46	3	9-28	27	1	52.6	52.2	52.4
Asgrow AG4005	2	9-18	27	1	52.4	--	--
Trisoy 4760RR(CN)	1, 5, 7	9-25	26	1	52.1	50.4	51.3
Dairyland 4500/RRSTS	4	9-28	27	2	51.8	--	--
Southern Cross Eli	Untreated	9-27	27	1	51.7	50.6	51.2
Trisoy 4586RR(CN)	1, 5, 7	9-23	24	1	51.4	--	--
Mersch. Richmond 649RR	1, 7, 11	10-03	33	2	51.2	55.2	53.2
MPG 4808RR	7	9-29	40	3	51.2	57.0	54.1
Terral TV47R18	2	9-27	34	3	51.1	--	--
Southern Cross Rufus	Untreated	9-24	30	1	50.6	--	--
Progeny 4606 RR	2	9-25	24	1	50.6	53.2	51.9
Progeny 4949 RR	2	9-30	36	2	50.5	60.3	55.4
UniSouth USG 7495NRS	4	9-28	33	2	50.4	61.1*	55.8
Mersch. Rocky RR	1, 7, 11	9-25	39	3	50.4	58.5	54.5
MPG 4707nRR/STS	7	9-19	31	2	49.8	53.9	51.9
Pioneer 94Y20	4	9-21	27	2	49.6	--	--
Gateway 4RS477	4	9-28	28	1	49.2	56.9	53.1
Morsoy RT 4485N	4	9-26	36	2	49.1	50.4	49.8

TABLE 40. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
MPG 4406nRR	7	9-25	30	2	49.0	51.7	50.4
Asgrow AG4606	2	9-25	30	1	49.0	--	--
Trisoy 4184RR(CN)	1, 5, 7	9-22	33	3	48.6	--	--
Progeny 4408 RR	2	9-25	30	1	48.5	--	--
NK S49-W6 Brand	4	9-29	30	1	48.4	--	--
Progeny 4807 RR	2	9-28	36	3	48.2	58.6	53.4
Asgrow AG4404	2	9-19	24	1	48.0	--	--
Asgrow AG4903	Untreated	9-29	30	2	48.0	57.6	52.8
Dyna-Gro 36C44	3	9-25	27	1	47.6	--	--
Asgrow AG4907	Untreated	9-29	30	2	47.5	--	--
Armor ARX 4717	4	9-26	30	1	47.3	--	--
Asgrow AG4303	2	9-24	22	1	47.3	--	--
UniSouth USG 74T98	4	9-30	27	1	47.0	--	--
Pioneer 94Y70	4	9-26	30	1	46.6	--	--
Delta Grow 4460RR	2, 6	9-20	33	3	46.5	50.5	48.5
Asgrow AG4703	2	9-20	27	1	46.4	56.5	51.5
Stine 4782-4	Untreated	9-26	24	1	46.1	54.8	50.5
Dyna-Gro 37A44	2	9-25	33	2	45.9	51.2	48.6
Delta Grow 4840RR	2, 6	9-26	30	3	45.7	54.6	50.2
Dairyland 4300/RR	4	9-24	31	3	45.3	--	--
Progeny 4908 RR	2	9-26	33	1	45.1	--	--
Asgrow AG4705	2	9-27	33	1	45.0	--	--
NK S49-H7 Brand	4	9-29	30	1	44.9	49.8	47.4
S05-4604	2	9-29	30	2	44.8	--	--
Dairyland DST47-001/RR	4	9-28	27	1	44.6	--	--
Southern Cross Caleb	Untreated	9-28	24	1	44.0	60.2	52.1
Delta Grow 4150RR	2, 6	9-19	33	2	43.7	54.0	48.9
Mersch. Phoenix 940RR	1, 7, 11	9-22	27	1	43.7	--	--
Pioneer 94Y90	4	9-27	30	2	43.5	--	--
Dairyland 8482/RR	4	9-26	32	3	43.4	--	--
Hornbeck HBK R4924	2, 6	9-26	39	3	42.7	56.1	49.4
Delta Grow 4970RR	2, 6	9-27	24	1	40.9	56.9	48.9
Progeny 4405 RR	2	9-25	30	2	40.8	--	--
Mersch. Memphis 943RR	1, 7, 11	9-22	30	1	40.8	--	--
Terral TV49R19	2	9-30	24	1	38.2	--	--
Delta Grow 4470RR/STS	2, 6	9-26	22	1	36.7	58.4	47.6
<b>GROUP 4 AVERAGE</b>		<b>9-26</b>	<b>31</b>	<b>2</b>	<b>52.7</b>	<b>55.7</b>	<b>54.2</b>
<b>L.S.D. AT .10</b>					<b>7.5</b>	<b>5.5</b>	
<b>C.V. %</b>					<b>10.0</b>	<b>7.1</b>	

**MATURITY GROUP 5**

Morsoy RT 5688N	4	10-11	35	3	68.0**	--	--
Morsoy RT 5388N	4	10-09	39	3	66.8*	--	--
Morsoy RT 5288N	4	10-11	30	4	65.0*	--	--
Progeny 5622 RR	2	10-16	38	2	64.8*	--	--
Terral TV55R15	2	10-09	33	3	63.5*	--	--
Mersch. Rushmore 959RR	1, 7, 11	10-15	31	3	62.3*	--	--
Dyna-Gro 35F55	2	10-10	33	3	61.9	--	--
Armor 53-Z5	4	10-08	24	2	61.4	65.4*	63.4
Schillinger 557.RC	Untreated	10-07	30	1	61.4	63.6	62.5
Asgrow AG5405	Untreated	10-10	25	1	60.8	--	--

TABLE 40. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Delta King DK52-K6	4	10-12	30	2	60.8	63.8	62.3
Morsoy RT 5168N	4	10-01	36	2	60.7	--	--
Dyna-Gro 3583	2	10-15	30	2	60.4	61.3	60.9
Terral TV59R16	2	10-13	31	2	60.4	--	--
Progeny 5408 RR	2	10-11	33	2	60.3	--	--
UniSouth USG 7553NRS	4	10-09	33	2	60.2	68.3*	64.3
Dyna-Gro 33C59	2	10-11	23	2	60.1	69.0*	64.6
UniSouth USG 75J47	4	10-05	33	3	59.7	55.0	57.4
Dyna-Gro 32B57	2	10-08	30	2	59.6	--	--
NK S52-F2 Brand	4	10-08	31	3	59.6	--	--
Pioneer 95M50	2	10-09	34	2	59.5	69.6*	64.6
Gateway 5R501	4	10-02	39	2	59.4	51.7	55.6
Morsoy RT 5506N	4	10-09	33	3	59.3	58.8	59.1
AG South AGS 568RR	Untreated	10-12	28	2	59.3	--	--
Pioneer 95Y20	4	10-06	30	1	59.3	--	--
Delta Grow 5555RR	2, 6	10-12	36	4	58.9	--	--
Terral TV54R28	2	10-07	30	2	58.9	--	--
Dairyland 8509/RR	4	9-30	36	3	58.5	--	--
NK S56-D7	4	10-06	33	3	58.3	--	--
MPG 5505nRR/STS	7	10-08	30	1	57.8	63.9	60.9
Armor 55-A5	4	10-12	28	1	57.6	70.7*	64.1
Hornbeck HBK R5226	2, 6	10-08	24	3	57.5	57.8	57.7
UniSouth USG 75Z38	4	10-07	36	4	57.4	--	--
UniSouth USG 75J18	4	9-26	33	2	57.3	--	--
UniSouth USG 7515NRS	4	9-30	39	3	57.1	55.0	56.1
Delta Grow 5300RR	2, 6	10-08	33	2	56.9	53.6	55.3
Pioneer 95Y40	4	10-05	31	3	56.6	--	--
Delta Grow 5280RR	2, 6	10-05	30	3	56.4	--	--
Asgrow AG5304	Untreated	10-05	24	1	56.1	--	--
Progeny 5218 RR	2	10-06	27	4	56.0	--	--
Delta Grow 5160RR/STS	2, 6	9-30	39	3	55.8	51.0	53.4
UniSouth USG Allen	4	10-15	33	2	55.8	70.1*	63.0
MPG 5407nRR	7	10-07	39	3	55.7	66.6*	61.2
Armor GP-533	4	10-07	32	2	55.1	63.1	59.1
MPG 5308nRR	7	10-04	28	3	54.9	67.9*	61.4
Progeny 5107 RR	2	10-03	39	3	54.5	48.7	51.6
Hornbeck HBK R5425	2, 6	10-11	45	3	54.2	52.4	53.3
Progeny 5650 RR	2	10-13	33	3	54.0	65.7*	59.9
Progeny 5115 RR	2	9-30	39	3	54.0	45.1	49.6
Delta Grow 5570RR/STS	2, 6	10-08	30	2	53.4	--	--
Dyna-Gro 33P54	2	10-07	24	1	53.4	58.5	56.0
Crow's C5417R	Untreated	10-07	28	1	53.1	--	--
Hornbeck HBK R5525	2, 6	10-12	27	2	53.0	64.2	58.6
Dyna-Gro 33B52	2	10-07	25	4	53.0	54.8	53.9
Delta Pine DP 5335 RR/S	Untreated	10-08	32	2	52.8	66.6*	59.7
Dyna-Gro 31R54	2	10-06	27	2	52.8	58.6	55.7
Dyna-Gro 33X55	2	10-14	33	2	52.4	66.1*	59.3
Hornbeck HBK RS5227	2, 6	10-07	29	1	52.3	54.7	53.5
Progeny 5308 RR	2	10-08	27	2	52.3	--	--
Delta Grow 5450RR	2, 6	10-13	33	2	52.2	--	--
Dairyland 8512/RR	4	10-06	35	2	51.8	--	--
Delta Grow 5170RR	2, 6	9-27	33	2	51.6	--	--
Southern Cross Damascus	Untreated	10-01	31	2	51.3	54.2	52.8



TABLE 40. Continued.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Terral TV52R28	2	10-07	34	3	51.3	--	--
Midwest Seed Gen. GR5434	Untreated	10-10	32	1	51.2	--	--
Mersch. Everest RR	1, 7, 11	10-08	33	1	50.6	--	--
Asgrow AG5503	Untreated	10-01	36	3	49.9	--	--
Progeny 5108 RR	2	10-01	34	2	49.5	--	--
Eagle Seed ES5555RR	2, 6	10-07	23	2	49.2	--	--
UniSouth USG 75J32	4	10-07	34	1	48.9	51.5	50.2
Dyna-Gro 32A53	2	10-06	30	4	48.6	40.5	44.6
Progeny 5208 RR	2	10-02	37	4	46.9	--	--
<b>GROUP 5 AVERAGE</b>		<b>10-07</b>	<b>32</b>	<b>2</b>	<b>56.5</b>	<b>58.4</b>	<b>57.5</b>
<b>L.S.D. AT .10</b>					<b>5.7</b>	<b>7.3</b>	
<b>C.V. %</b>					<b>7.3</b>	<b>9.0</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

TABLE 41. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Southeast Missouri locations (Chaffee, Dexter, Morehouse, Portageville (Loam), Portageville (Clay)) during 2008.

<u>Chaffee</u> Planted: 5-20 Harvested: 10-1, 20 Growing Season Rainfall: 22.0 Irrigation: 3.0 in.	<u>Dexter</u> Planted: 05-30 Harvested: 10-2, 21 Growing Season Rainfall: 17.4 Irrigation: 4.0 in.	<u>Morehouse</u> Planted: 06-05 Harvested: 10-2, 21 Growing Season Rainfall: 14.3 Irrigation: 3.0 in.
<u>Portageville (Loam)</u> Planted: 04-30 Harvested: 09-17,25, 10-13 Growing Season Rainfall: 11.6 Irrigation: 18.3 in.	<u>Portageville (Clay)</u> Planted: 05-19 Harvested: 09-29, 11-4 Growing Season Rainfall: 11.6 Irrigation: 15.2 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	P'ville (Loam)	P'ville (Clay)	
<b>MATURITY GROUP 3</b>						
NK S39-A3 Brand	76.1*	68.0*	62.0	88.7**	52.2*	69.4**
Armor ARX 938	76.5**	71.0**	65.7**	81.7	51.9*	69.4**
S04-3924	70.4	69.1*	60.7	77.6	53.7**	66.3
S04-20912	75.1*	63.9	61.0	77.6	48.2	65.2
Armor 38-G2	73.0*	66.6*	62.3	79.5	41.0	64.5
Hornbeck HBK R3927	65.6	53.2	60.7	83.7*	42.6	61.2
<b>GROUP 3 AVERAGE</b>	<b>72.8</b>	<b>65.3</b>	<b>62.1</b>	<b>81.5</b>	<b>48.3</b>	<b>66.0</b>
<b>L.S.D. AT .10</b>	<b>5.8</b>	<b>6.4</b>	<b>3.3</b>	<b>5.9</b>	<b>4.0</b>	<b>2.2</b>
<b>C.V. %</b>	<b>6.5</b>	<b>8.0</b>	<b>4.4</b>	<b>5.9</b>	<b>6.9</b>	<b>6.3</b>

**MATURITY GROUP 4**

Delta King DKXTJ848	78.2*	75.6	71.2	85.4*	60.1*	74.1**
Armor 47-F8	74.9*	86.8**	64.4	84.9*	53.7	72.9*
Morsoy RTS 4955N	78.0*	71.1	68.3	89.9*	56.1	72.7*
Gateway 4R492	70.3	69.2	69.1	88.1*	63.4*	72.0*
Mersch. Nashville 749RR	77.2*	72.9	70.8	79.9	58.5	71.9*
Hornbeck HBK R4924	80.0*	75.4	67.5	90.9**	42.7	71.3*
UniSouth USG 74A88	73.1*	77.9*	67.4	74.5	62.1*	71.0*
UniSouth USG 74G78	75.6*	74.8	68.4	78.3	56.1	70.6*
Southern Cross Galilee	73.6*	84.3*	70.5	69.1	55.5	70.6*
Trisoy 4788RR(CN)	74.4*	73.4	68.5	79.1	57.5	70.6*
Morsoy RTS 4706N	68.8	82.5*	62.6	84.0*	54.5	70.5*
Delta Grow 4975LARR	72.5	70.1	64.8	87.1*	57.7	70.4*
NK S46-U6 Brand	70.1	80.4*	65.1	76.7	59.1	70.3*
Mersch. Houston 747RR	72.1	75.8	65.8	81.6	55.2	70.1
Schillinger 478.RCS	78.9*	69.9	63.9	82.2	55.6	70.1
Mersch. Santa Fe 945RR	79.3*	70.3	64.5	77.1	59.0	70.0
MPG 4509nRR/STS	74.1*	74.5	64.8	81.6	54.5	69.9
Dyna-Gro 37P49	68.9	71.9	66.4	83.9*	57.9	69.8
Gateway 4RS497	69.6	68.5	69.0	85.5*	56.4	69.8
Armor 42-M1	71.1	71.9	64.5	82.7*	57.8	69.6
Morsoy RTS 4556N	68.4	70.9	71.8	79.5	57.3	69.6
Delta Pine DP 4888 RR/S	68.1	73.5	69.6	80.2	56.2	69.5
Delta Grow 4460RR	74.7*	65.4	75.0	85.9*	46.5	69.5

Table 41. Continued.

Brand-Variety (Clay)	Yield (Bu/Acre)					Portageville
	Chaffee Mean	Dexter	Morehouse	Portageville (Loam)		
Dyna-Gro 32R46	69.1	75.4	66.9	83.1*	52.6	69.4
Armor 44-K6	71.3	74.1	66.4	81.6	53.1	69.3
MPG XSSRR46594	66.2	61.0	65.0	87.6*	66.7**	69.3
UniSouth USG 74A27	66.3	69.8	66.5	81.8	61.0*	69.1
Gateway 4RS477	70.0	77.4*	65.5	83.2*	49.2	69.0
Trisoy 4586RR(CN)	66.3	74.7	65.9	86.3*	51.4	68.9
Mersch. Rocky RR	73.7*	73.5	61.6	85.0*	50.4	68.8
Morsoy RT 4806N	69.4	70.4	69.9	74.6	59.6*	68.8
Asgrow AG4303	73.0*	81.6*	63.6	77.9	47.3	68.7
Gateway 4RS449	71.5	71.0	62.2	84.4*	53.6	68.5
Schillinger 495.RC	67.8	62.2	83.1**	72.1	57.3	68.5
Mersch. Norfolk 741RR	71.7	71.1	61.2	77.9	60.5*	68.5
Morsoy RTS 4488N	67.4	67.6	65.1	83.2*	59.1	68.5
Dyna-Gro 32P48	67.3	71.3	66.6	76.1	60.5*	68.4
UniSouth USG 74H48	68.8	60.9	64.5	88.1*	59.4*	68.3
Progeny 4906 RR	74.6*	66.9	59.7	77.3	62.2*	68.1
Dyna-Gro 36Y48	71.7	66.1	69.2	80.1	53.6	68.1
Delta Grow 4780RR	76.4*	71.4	67.3	70.2	55.2	68.1
Southern Cross Rufus	71.6	71.6	69.7	77.0	50.6	68.1
Dyna-Gro 36C44	67.5	71.5	68.9	84.2*	47.6	67.9
Armor ARX 4560	72.7	62.8	66.7	76.7	60.3*	67.8
Asgrow AG4907	81.0**	73.7	63.5	73.1	47.5	67.8
Pioneer 94Y70	68.0	75.8	67.6	80.1	46.6	67.6
Trisoy 4760RR(CN)	74.7*	66.2	67.0	76.9	52.1	67.4
UniSouth USG 7495NRS	59.8	71.5	69.1	85.5*	50.4	67.2
Morsoy RT 4888N	68.2	56.5	65.9	78.1	65.9*	66.9
Dyna-Gro 37A44	67.1	74.5	70.1	76.9	45.9	66.9
NK S49-H7 Brand	78.5*	75.7	60.3	74.2	44.9	66.7
Hornbeck HBK R4727	76.8*	66.5	66.2	67.3	56.4	66.6
Pioneer 94M80	68.9	62.5	69.0	76.3	56.3	66.6
Terral TV49R27	67.1	60.1	69.3	74.4	61.5*	66.5
Armor 48-J3	68.4	67.5	66.5	73.5	56.4	66.5
Crow's C4820R	65.5	71.7	66.3	74.6	54.1	66.4
Delta King DK4667	72.4	69.3	61.6	73.5	55.1	66.4
Delta Grow 4770RR	69.5	69.7	67.2	68.5	56.9	66.4
Terral TV47R17	67.3	67.2	70.1	64.5	62.4*	66.3
MPG 4406nRR	74.3*	68.8	63.3	76.0	49.0	66.3
MPG 4909nRR	59.0	73.6	64.1	75.6	58.6	66.2
Asgrow AG4703	67.3	68.9	65.2	82.6*	46.4	66.1
Morsoy RT 4707N	75.9*	69.0	62.4	67.2	55.9	66.1
Progeny 4606 RR	74.9*	68.3	67.1	69.0	50.6	66.0
Pioneer 94Y60	68.2	68.1	61.9	76.1	55.3	65.9
Asgrow AG4606	70.9	73.1	65.0	71.3	49.0	65.9
Trisoy 4184RR(CN)	75.1*	60.0	64.9	80.3	48.6	65.8
Morsoy RT 4485N	72.4	59.0	68.8	79.4	49.1	65.7

Table 41. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	P'ville (Loam)	P'ville (Clay)	
MPG 4808RR	71.7	61.9	65.0	78.7	51.2	65.7
Mersch. Memphis 943RR	69.3	70.8	68.8	78.6	40.8	65.7
Progeny 4206 RR	70.4	64.4	58.1	78.0	57.0	65.6
Morsoy RT 4688N	68.2	68.2	61.7	70.0	58.7	65.4
Asgrow AG4903	69.3	66.0	64.0	79.4	48.0	65.3
Delta Grow 4870RR	67.2	62.3	64.4	75.2	57.6	65.3
Armor ARX 4717	74.1*	70.7	61.8	72.3	47.3	65.2
MPG 4907nRR/STS	64.9	64.8	65.6	74.4	56.3	65.2
Progeny 4908 RR	70.7	68.4	66.0	74.1	45.1	64.8
Mersch. Richmond 649RR	71.2	69.7	55.7	76.3	51.2	64.8
Dyna-Gro 33Y45	67.4	64.7	64.7	74.0	53.3	64.8
Pioneer 94Y20	63.0	68.5	62.2	80.4	49.6	64.7
Progeny 4918 RR	65.4	64.0	63.0	67.5	63.5*	64.7
Progeny 4508 RR	65.3	59.2	64.2	80.2	54.4	64.6
S05-4604	72.3	69.5	63.0	73.3	44.8	64.6
Terral TV47R18	61.0	69.5	64.5	76.8	51.1	64.6
MPG 4905nRR	67.6	62.6	65.5	71.4	54.2	64.2
Pioneer 94Y90	72.6	66.3	64.0	74.8	43.5	64.2
Progeny 4807 RR	74.1*	76.0	61.9	60.6	48.2	64.2
Delta Grow 4840RR	63.5	64.2	66.9	80.4	45.7	64.1
Asgrow AG4005	65.7	69.4	65.9	66.4	52.4	64.0
Progeny 4408 RR	62.9	70.5	65.0	72.6	48.5	63.9
Southern Cross Eli	65.5	67.7	66.4	68.2	51.7	63.9
Progeny 4706 RR	64.2	69.3	63.1	68.7	54.1	63.9
MPG 4707nRR/STS	67.5	60.1	61.3	79.8	49.8	63.7
Progeny 4718 RR	62.6	67.3	63.6	70.2	54.7	63.7
UniSouth USG 74T98	71.5	65.7	62.7	71.2	47.0	63.6
UniSouth USG 74E68	67.1	65.9	64.6	65.2	55.0	63.6
NK S45-E5 Brand	67.5	70.8	60.2	64.3	54.2	63.4
Progeny 4949 RR	61.0	71.8	59.5	70.8	50.5	62.7
Dairyland 8482/RR	73.0*	63.6	62.0	70.8	43.4	62.6
UniSouth USG 74F78	67.8	56.0	61.7	70.7	56.6	62.6
Southern Cross Caleb	63.0	72.3	64.0	66.9	44.0	62.0
Hornbeck HBK R4527	60.0	60.1	60.4	72.6	57.0	62.0
Delta Grow 4820RR	62.9	61.0	64.8	65.1	53.6	61.5
Dairyland 4500/RRSTS	59.6	63.6	64.4	67.9	51.8	61.4
Pioneer 94Y10	58.4	65.4	62.5	62.1	58.5	61.4
Dairyland 4300/RR	67.4	70.3	62.3	61.4	45.3	61.3
NK S49-W6 Brand	65.5	66.5	59.9	63.9	48.4	60.8
Progeny 4405 RR	66.7	65.3	58.8	69.2	40.8	60.2
Schillinger 457.RCP	66.3	57.8	53.6	67.2	55.6	60.1
Asgrow AG4404	67.2	55.3	62.9	64.6	48.0	59.6
Delta Grow 4150RR	61.8	65.0	61.5	65.9	43.7	59.6
Mersch. Phoenix 940RR	65.7	59.5	63.6	64.0	43.7	59.3
Stine 4782-4	57.4	62.3	57.0	72.0	46.1	59.0
Asgrow AG4705	56.8	59.6	63.5	65.7	45.0	58.1
Delta Pine DP 4546 RR	60.2	54.8	55.6	66.3	53.4	58.1
Terral TV46R19	59.0	56.1	55.5	64.3	53.2	57.6
Delta Grow 4470RR/STS	64.5	63.5	58.8	64.3	36.7	57.6
Delta Grow 4970RR	59.5	59.9	61.3	64.4	40.9	57.2

Table 41. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	P'ville (Loam)	P'ville (Clay)	
Delta King DKXTJ946	55.7	52.8	55.7	67.2	52.8	56.8
Terral TV49R19	62.1	67.1	49.9	53.2	38.2	54.1
Dairyland DST47-001/RR	64.3	53.8	58.5	39.1	44.6	52.0
<b>GROUP 4 AVERAGE</b>	<b>68.8</b>	<b>68.1</b>	<b>64.6</b>	<b>74.8</b>	<b>52.7</b>	<b>65.8</b>
<b>L.S.D. AT .10</b>	<b>8.2</b>	<b>10.1</b>	<b>6.9</b>	<b>8.7</b>	<b>7.5</b>	<b>3.7</b>
<b>C.V. %</b>	<b>8.5</b>	<b>10.7</b>	<b>7.6</b>	<b>8.2</b>	<b>10.0</b>	<b>9.0</b>
<b>MATURITY GROUP 5</b>						
Delta Grow 5160RR/STS	60.1*	74.1*	63.2*	84.1*	55.8	67.4*
Morsoy RT 5388N	68.2**	66.6	62.1*	71.3	66.8*	67.0*
Morsoy RT 5168N	60.4*	67.7	59.0	83.2*	60.7	66.2*
MPG 5505nRR/STS	64.8*	68.8	61.1*	77.6*	57.8	66.0*
Asgrow AG5304	56.4	72.2*	58.7	82.2*	56.1	65.1*
Pioneer 95Y40	59.1*	73.4*	60.4*	75.9	56.6	65.1*
UniSouth USG 7553NRS	56.1	79.3**	61.5*	66.6	60.2	64.7*
UniSouth USG 7515NRS	57.0	67.3	55.6	86.4**	57.1	64.7*
UniSouth USG 75J18	59.0*	77.4*	61.2*	68.4	57.3	64.7*
UniSouth USG 75J47	58.9*	71.9	58.4	71.5	59.7	64.1*
Delta Grow 5170RR	59.7*	60.5	66.2**	82.0*	51.6	64.0*
Pioneer 95M50	65.3*	64.9	57.5	71.0	59.5	63.6
Delta Pine DP 5335 RR/S	54.6	69.7	62.0*	76.2	52.8	63.0
MPG 5407nRR	60.5*	72.2*	60.3*	65.1	55.7	62.8
Progeny 5108 RR	59.6*	75.9*	57.5	71.2	49.5	62.7
Progeny 5115 RR	56.8	70.1	61.8*	70.6	54.0	62.6
Delta Grow 5300RR	55.8	66.9	56.9	76.0	56.9	62.5
Armor 53-Z5	55.6	65.6	59.2	70.7	61.4	62.5
Progeny 5408 RR	62.3*	71.9	59.4	58.2	60.3	62.4
Mersch. Rushmore 959RR	64.8*	65.5	58.4	61.0	62.3*	62.4
Gateway 5R501	62.2*	56.7	61.3*	71.7	59.4	62.2
Morsoy RT 5688N	48.1	70.0	56.6	66.1	68.0**	61.8
MPG 5308nRR	60.2*	62.8	60.9*	69.6	54.9	61.7
Progeny 5622 RR	50.8	69.8	59.0	63.8	64.8*	61.6
Dyna-Gro 3583	56.2	66.9	55.5	69.1	60.4	61.6
Asgrow AG5405	52.7	63.3	63.5*	67.3	60.8	61.5
Delta King DK52-K6	63.0*	71.9	55.6	55.3	60.8	61.3
UniSouth USG Allen	58.5*	68.2	62.3*	60.8	55.8	61.1
Armor 55-A5	61.1*	68.3	63.3*	53.6	57.6	60.8
Dairyland 8509/RR	55.2	57.5	60.6*	68.9	58.5	60.1
NK S52-F2 Brand	56.9	61.8	55.4	66.9	59.6	60.1
Schillinger 557.RC	54.7	62.5	59.9*	61.4	61.4	60.0
Terral TV59R16	52.8	62.0	60.9*	62.8	60.4	59.8
Morsoy RT 5506N	59.6*	60.4	55.5	62.9	59.3	59.5
Armor GP-533	53.5	68.6	59.5	60.2	55.1	59.4
Hornbeck HBK R5425	49.9	68.5	54.9	68.2	54.2	59.1
Morsoy RT 5288N	46.5	64.9	56.2	62.6	65.0*	59.0
Delta Grow 5450RR	56.9	66.7	59.9*	59.2	52.2	59.0
Hornbeck HBK RS5227	53.6	64.9	55.8	67.9	52.3	58.9

Table 41. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	P'ville (Loam)	P'ville (Clay)	
Delta Grow 5555RR	57.1	54.3	62.2*	62.0	58.9	58.9
Terral TV54R28	51.0	64.8	55.8	63.3	58.9	58.8
Hornbeck HBK R5525	59.3*	70.6	57.0	53.3	53.0	58.6
Delta Grow 5570RR/STS	52.1	64.4	54.7	68.4	53.4	58.6
Pioneer 95Y20	55.4	65.2	59.1	53.7	59.3	58.5
Dyna-Gro 32B57	52.1	62.1	58.3	60.6	59.6	58.5
AG South AGS 568RR	52.8	71.1	54.2	54.6	59.3	58.4
Dairyland 8512/RR	62.1*	64.9	54.8	57.3	51.8	58.2
Terral TV55R15	57.6	53.3	56.1	59.9	63.5*	58.1
Asgrow AG5503	58.5*	68.5	53.8	58.1	49.9	57.8
Mersch. Everest RR	51.9	68.1	56.6	61.4	50.6	57.7
Southern Cross Damascus	49.8	69.8	55.7	61.8	51.3	57.7
Dyna-Gro 33X55	58.5*	68.0	54.0	55.3	52.4	57.6
Crow's C5417R	51.2	56.0	57.3	68.5	53.1	57.2
Dyna-Gro 33C59	45.2	62.8	53.8	64.2	60.1	57.2
UniSouth USG 75J32	55.3	65.9	52.0	62.5	48.9	56.9
Delta Grow 5280RR	54.7	59.8	58.9	54.0	56.4	56.8
UniSouth USG 75Z38	47.9	62.5	58.2	57.6	57.4	56.7
NK S56-D7	50.8	57.0	63.1*	54.4	58.3	56.7
Dyna-Gro 31R54	51.0	60.5	48.1	70.8	52.8	56.6
Midwest Seed Gen. GR5434	56.1	58.1	58.0	59.5	51.2	56.6
Dyna-Gro 35F55	55.2	60.3	51.6	52.8	61.9	56.4
Progeny 5650 RR	58.6*	60.7	50.7	56.6	54.0	56.1
Progeny 5107 RR	45.0	57.9	57.8	65.3	54.5	56.1
Dyna-Gro 33P54	48.0	58.8	54.8	64.1	53.4	55.8
Progeny 5308 RR	48.6	59.9	54.4	63.6	52.3	55.8
Dyna-Gro 32A53	54.1	60.5	59.6*	55.9	48.6	55.7
Hornbeck HBK R5226	50.3	59.5	56.7	54.5	57.5	55.7
Progeny 5218 RR	44.0	56.0	57.1	59.8	56.0	54.6
Progeny 5208 RR	53.9	54.1	53.6	57.8	46.9	53.2
Eagle Seed ES5555RR	53.1	56.8	50.2	54.7	49.2	52.8
Terral TV52R28	42.2	51.3	61.5*	57.5	51.3	52.8
Dyna-Gro 33B52	45.1	47.6	54.5	63.5	53.0	52.7
<b>GROUP 5 AVERAGE</b>	<b>55.2</b>	<b>64.6</b>	<b>57.8</b>	<b>64.7</b>	<b>56.5</b>	<b>59.8</b>
<b>L.S.D. AT .10</b>	<b>9.8</b>	<b>7.3</b>	<b>6.6</b>	<b>9.3</b>	<b>5.7</b>	<b>3.5</b>
<b>C.V. %</b>	<b>12.5</b>	<b>8.1</b>	<b>8.0</b>	<b>10.2</b>	<b>7.3</b>	<b>9.2</b>

\*\* 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 42. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southeast Region: Chaffee, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.0; OM=2.2; P=106; K=374

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

Rainfall: May=7.2, June=3.2, July=5.1, Aug.=4.4, Sept.=2.2 Total=22.0

Irrigation: 3.0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 4</b>							
High Yield Check 11	--	10-03	42	2	75.5**	--	--
High Yield Check 12	--	10-08	48	2	74.4	--	--
High Yield Check 10	--	9-22	39	3	72.6	--	--
Jake	2	10-04	36	3	71.9	70.8*	71.4
V98-2711	Untreated	10-02	39	4	71.2	--	--
Schillinger 477.TCS	Untreated	9-20	36	4	70.7	--	--
Stoddard	2	10-02	30	4	66.9	50.7	58.8
UniSouth USG 5601T	4	10-04	42	3	64.0	58.4	61.2
<b>GROUP 4 AVERAGE</b>		<b>10-01</b>	<b>39</b>	<b>3</b>	<b>70.9</b>	<b>59.2</b>	<b>65.1</b>
<b>L.S.D. AT .10</b>					<b>NS</b>	<b>6.8</b>	
<b>C.V. %</b>					<b>13.1</b>	<b>9.4</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 43. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southeast Region: Dexter, MO (Stoddard County)

Soil Type: Crowley Silt Loam Soil Test: pH=6.0, OM=1.7%, P=26, K=290

Cyst Nematode Population at Planting: 266 Eggs/100cc of Soil

Rainfall: May=5.6, June=2.4, July=3.2, Aug.=1.7, Sept.= 4.5 Total=17.4

Irrigation: 4.0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 4</b>							
High Yield Check 12	--	10-12	36	3	72.2**	--	--
Jake	2	10-08	36	2	69.9*	67.0*	68.5
High Yield Check 11	--	10-07	42	3	65.2*	--	--
UniSouth USG 5601T	4	10-06	36	3	65.2*	68.8**	67.0
V98-2711	Untreated	10-09	35	3	60.2	--	--
High Yield Check 10	--	9-27	33	3	60.0	--	--
Schillinger 477.TCS	Untreated	9-28	35	4	59.2	--	--
Stoddard	2	10-04	30	5	51.2	55.2*	53.2
<b>GROUP 4 AVERAGE</b>		<b>10-05</b>	<b>35</b>	<b>3</b>	<b>62.9</b>	<b>54.3</b>	<b>58.6</b>
<b>L.S.D. AT .10</b>					<b>7.8</b>	<b>14.0</b>	
<b>C.V. %</b>					<b>10.5</b>	<b>21.2</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)



**TABLE 44. Non-Glyphosate Resistant / Special Traits Soybean Test**

Southeast Region: Morehouse, MO (New Madrid County)

Soil Type: Sharkey Clay Soil Test: pH=5.8, OM=2.0%, P=22, K=202

Cyst Nematode Population at Planting: 199 Eggs/100cc of Soil

Rainfall: May=4.3, June=1.6, July=3.7, Aug.=0.6, Sept.=4.0 Total=14.3

Irrigation: 3.0 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		2 Yr. Mean
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	
<b>MATURITY GROUP 4</b>							
Jake	2	10-08	33	2	65.4**	48.4	56.9
High Yield Check 10	--	10-03	36	2	65.3*	--	--
Schillinger 477.TCS	Untreated	10-04	31	3	65.0*	--	--
High Yield Check 12	--	10-12	39	2	63.1*	--	--
High Yield Check 11	--	10-07	45	1	62.6*	--	--
UniSouth USG 5601T	4	10-10	37	2	62.6*	51.7	57.2
V98-2711	Untreated	10-08	33	3	61.2	--	--
Stoddard	2	10-09	32	4	58.3	58.5**	58.4
<b>GROUP 4 AVERAGE</b>		<b>10-08</b>	<b>36</b>	<b>2</b>	<b>62.9</b>	<b>49.2</b>	<b>56.1</b>
<b>L.S.D. AT .10</b>					<b>4.0</b>	<b>4.0</b>	
<b>C.V. %</b>					<b>5.4</b>	<b>6.6</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxytrobilin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxytrobilin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 45. Non-Glyphosate Resistant / Special Traits Soybean Test**

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

Soil Type: Tiptonville Silt Loam Soil Test: pH=5.9, OM=1.4%, P=88, K=332

Cyst Nematode Population at Planting: 66 Eggs/100cc of Soil

Rainfall: May=3.4, June=1.2, July=3.0, Aug.=1.0, Sept.=3.0 Total=11.6

Irrigation: 18.3 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 4</b>							
High Yield Check 10	--	9-15	33	1	78.4**	--	--
V98-2711	Untreated	9-29	27	1	76.9*	--	--
High Yield Check 11	--	9-27	41	2	76.0*	--	--
Schillinger 477.TCS	Untreated	9-13	33	2	72.2*	--	--
Stoddard	2	9-29	24	1	68.5	69.0**	68.8
UniSouth USG 5601T	4	9-27	27	1	67.8	60.9	64.4
Jake	2	9-26	28	1	63.2	66.6*	64.9
High Yield Check 12	--	10-06	33	1	57.7	--	--
<b>GROUP 4 AVERAGE</b>		<b>9-25</b>	<b>31</b>	<b>1</b>	<b>70.1</b>	<b>57.2</b>	<b>63.7</b>
<b>L.S.D. AT .10</b>					<b>7.0</b>	<b>5.9</b>	
<b>C.V. %</b>					<b>8.3</b>	<b>8.5</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

**TABLE 46. Non-Glyphosate Resistant / Special Traits Soybean Test**

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

Soil Type: Portageville Clay Soil Test: pH=6.7, OM=2.3%, P=42, K=564

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

Rainfall: May=3.4, June=1.2, July=3.0, Aug.=1.0, Sept.=3.0 Total= 11.6

Irrigation: 15.2 in.

Brand-Variety	Seed Treatment <sup>+</sup>	2008			Yield		
		Maturity Date	Plant Height (in)	Lodging Score	2008	2007	2 Yr. Mean
<b>MATURITY GROUP 4</b>							
High Yield Check 12	--	10-10	33	2	59.0**	--	--
Schillinger 477.TCS	Untreated	9-22	27	1	57.8*	--	--
UniSouth USG 5601T	4	10-07	33	2	56.8*	65.1*	61.0
Jake	2	10-06	30	1	55.2*	66.6**	60.9
High Yield Check 11	--	10-06	39	2	52.1	--	--
High Yield Check 10	--	9-21	27	1	49.6	--	--
Stoddard	2	9-29	22	1	49.6	61.7*	55.7
V98-2711	Untreated	10-06	24	1	49.0	--	--
<b>GROUP 4 AVERAGE</b>		<b>10-02</b>	<b>29</b>	<b>1</b>	<b>53.6</b>	<b>55.5</b>	<b>54.6</b>
<b>L.S.D. AT .10</b>					<b>4.0</b>	<b>5.1</b>	
<b>C.V. %</b>					<b>6.2</b>	<b>7.6</b>	

-- Data not available.

\*\* Highest yielding variety in the maturity group.

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

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

TABLE 47. Performance Summary for Non-Glyphosate Resistant / Special Traits Varieties evaluated at Five Southeast Missouri locations (Chaffee, Dexter, Morehouse, Portageville (Loam), Portageville (Clay)) during 2008.

<u>Chaffee</u> Planted: 5-20 Harvested: 10-20 Growing Season Rainfall: 22.0 Irrigation: 3.0 in.	<u>Dexter</u> Planted: 05-30 Harvested: 10-21 Growing Season Rainfall: 17.4 Irrigation: 4.0 in.	<u>Morehouse</u> Planted: 06-05 Harvested: 10-21 Growing Season Rainfall: 14.3 Irrigation: 3.0 in.
<u>Portageville (Loam)</u> Planted: 04-30 Harvested: 10-13 Growing Season Rainfall: 11.6 Irrigation: 18.3 in.	<u>Portageville (Clay)</u> Planted: 05-19 Harvested: 11-4 Growing Season Rainfall: 11.6 Irrigation: 15.2 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Chaffee	Dexter	Morehouse	P'ville (Loam)	P'ville (Clay)	
<b>MATURITY GROUP 4</b>						
High Yield Check 11	75.5**	65.2*	62.6*	76.0*	52.1	66.3**
High Yield Check 12	74.4	72.2**	63.1*	57.7	59.0**	65.3*
High Yield Check 10	72.6	60.0	65.3*	78.4**	49.6	65.2*
Jake	71.9	69.9*	65.4**	63.2	55.2*	65.1*
Schillinger 477.TCS	70.7	59.2	65.0*	72.2*	57.8*	65.0*
V98-2711	71.2	60.2	61.2	76.9*	49.0	63.7*
UniSouth USG 5601T	64.0	65.2*	62.6*	67.8	56.8*	63.3*
Stoddard	66.9	51.2	58.3	68.5	49.6	58.9
<b>GROUP 4 AVERAGE</b>	<b>70.9</b>	<b>62.9</b>	<b>62.9</b>	<b>70.1</b>	<b>53.6</b>	<b>64.1</b>
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>7.8</b>	<b>4.0</b>	<b>7.0</b>	<b>4.0</b>	<b>3.2</b>
<b>C.V. %</b>	<b>13.1</b>	<b>10.5</b>	<b>5.4</b>	<b>8.3</b>	<b>6.2</b>	<b>8.7</b>

\*\* 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.

NS Not Significant

**Characteristics for Varieties Entered in the 2008 Missouri Soybean Tests**

Variety Name	Var Bra	Mat Gr	Phyto Tol	Phyto Gene	SDS Rate	SCN Source	Herb Resist	Special Traits	Seed Trtmt
AG South AGS 568RR	-	5.6	-	-	-	-	GR	-	None
Armor 38-G2	BR	3.8	NA	Rps1c	4	PI88788	GR	None	4
Armor 42-M1	BR	4.2	3	S	6	PI88788	GR	None	4
Armor 44-K6	BR	4.4	2	S	4	PI88788	GR/STS	None	4
Armor 47-F8	BR	4.7	2	S	3	PI88788	GR/STS	None	4
Armor 48-J3	BR	4.8	2	S	5	PI88788	GR	None	4
Armor 53-Z5	BR	5.3	NA	Rps3a	2	PI88788	GR/STS	None	4
Armor 55-A5	BR	5.5	2	S	2	PI88788	GR	None	4
Armor ARX 4560	BR	4.5	3	S	NA	PI88788	GR	None	4
Armor ARX 4717	BR	4.7	3	S	4	PI88788	GR	None	4
Armor ARX 938	BR	3.8	NA	Rps1c	5	PI88788	GR	None	4
Armor GP-533	BR	5.3	3	S	5	S	GR	None	4
Asgrow AG3402	V	3.4	5	Rps1c	4	PI88788	GR	None	2
Asgrow AG3504	V	3.5	6	Rps1c	4	PI88788	GR/STS	None	2
Asgrow AG3603	V	3.6	6	Rps1c	4	PI88788	GR	None	2
Asgrow AG3705	V	3.7	6	Rps1c	5	PI88788	GR	None	2
Asgrow AG3803	V	3.8	4	Rps1c	5	PI88788	GR	None	2
Asgrow AG3905	V	3.9	5	Rps1c	3	PI88788	GR	None	2
Asgrow AG4005	V	4.0	5	Rps1c	4	PI88788	GR	None	2
Asgrow AG4103	V	4.1	5	Rps1a	3	PI88788	GR	None	2
Asgrow AG4303	V	4.3	5	S	NA	PI88788	GR/STS	None	2
Asgrow AG4404	V	4.4	5	Rps1a	5	PI88788	GR/STS	None	2
Asgrow AG4606	V	4.6	6	Rps1c	4	PI88788	GR/STS	None	2
Asgrow AG4703	V	4.7	5	S	4	PI88788	GR	None	2
Asgrow AG4705	V	4.7	6	Rps1a	5	PI88788	GR	None	2
Asgrow AG4903	V	4.9	7	S	2	NA	GR/STS	None	None
Asgrow AG4907	V	4.9	5	Rps1c	5	NA	GR	None	None
Asgrow AG5304	V	5.3	NA	NA	NA	PI88788	GR/STS	None	None
Asgrow AG5405	V	5.4	3	S	NA	PI88788	GR/STS	None	None
Asgrow AG5503	V	5.5	4	NA	NA	NA	GR	None	None
Asgrow DKB46-51	V	4.6	5	S	6	PI88788	GR	None	None
Asoyia 3106SCN	BR	3.1	NA	NA	NA	S	None	LL	1,5,7
Asoyia 3208	BR	3.2	NA	NA	NA	S	None	LL	1,5,7
Asoyia 3517SCN	BR	3.5	NA	NA	NA	PI88788	None	LL	1,5,7
Asoyia 3867SCN	BR	3.8	NA	NA	NA	PI88788	None	LL	1,5,7
Crow's C3916R	BR	3.9	3	Rps1c	3	PI88788	GR	None	None
Crow's C4119R	BR	4.1	2	S	3	PI88788	GR/STS	None	None
Crow's C4519R	BR	4.5	3	S	3	PI88788	GR/STS	None	None
Crow's C4820R	BR	4.8	3	Rps1c	2	PI88788	GR/STS	None	None
Crow's C5417R	BR	5.4	4	Rps1c	3	PI88788	GR/STS	None	None
Dairyland 4300/RR	V	4.3	NA	NA	NA	PI88788	GR	None	4
Dairyland 4500/RRSTS	V	4.5	NA	NA	NA	PI88788	GR/STS	None	4
Dairyland 8482/RR	V	4.8	NA	Rps1k	NA	NA	GR	None	4
Dairyland 8509/RR	V	5.0	NA	Rps1k	NA	PI88788	GR	None	4
Dairyland 8512/RR	V	5.1	NA	Rps1k	NA	PI88788	GR	None	4
Dairyland DST47-001/RR	V	4.7	NA	NA	NA	PI88788	GR	None	4
Delta Grow 4150RR	BR	4.1	1	Rps1a	3	PI88788	GR	None	2, 6
Delta Grow 4460RR	BR	4.4	3	NA	3	PI88788	GR	None	2, 6
Delta Grow 4470RR/STS	BR	4.4	3	NA	5	PI88788	GR/STS	None	2, 6
Delta Grow 4770RR	BR	4.7	2	NA	3	PI88788	GR	None	2, 6

Delta Grow 4780RR	BR	4.7	1	Rps1c	3	PI88788	GR	None	2, 6
Delta Grow 4820RR	BR	4.8	4	NA	4	PI88788	GR	None	2, 6
Delta Grow 4840RR	BR	4.8	4	NA	3	PI88788	GR	None	2, 6
Delta Grow 4870RR	BR	4.8	3	NA	4	PI88788	GR	None	2, 6
Delta Grow 4970RR	BR	4.9	2	Rps1k	2	PI88788	GR	None	2, 6
Delta Grow 4975LARR	BR	4.9	1	Rps1a	1	PI88788	GR	None	2, 6
Delta Grow 5160RR/STS	BR	5.1	3	NA	2	PI88788	GR/STS	None	2, 6
Delta Grow 5170RR	BR	5.1	3	NA	3	PI88788	GR	None	2, 6
Delta Grow 5280RR	BR	5.2	1	NA	2	PI88788	GR	None	2, 6
Delta Grow 5300RR	BR	5.3	2	Rps1c	2	PI88788	GR	None	2, 6
Delta Grow 5450RR	BR	5.4	3	NA	2	PI88788	GR	None	2, 6
Delta Grow 5555RR	BR	5.5	1	NA	2	PI88788	GR	None	2, 6
Delta Grow 5570RR/STS	BR	5.5	4	Rps1c	4	PI88788	GR/STS	None	2, 6
Delta King DK4667	BR	4.6	3	S	3	PI88788	GR	None	4
Delta King DK52-K6	BR	5.2	2	S	3	PI88788	GR	None	4
Delta King DKXTJ848	BR	4.8	1	Rps1a	5	PI88788	GR	None	4
Delta King DKXTJ946	BR	4.6	2	S	4	PI88788	GR	None	4
Delta Pine DP 4546 RR	V	4.5	NA	Rps1a	NA	NA	GR	None	None
Delta Pine DP 4888 RR/S	V	4.8	NA	S	2	NA	GR	None	None
Delta Pine DP 5335 RR/S	V	5.3	NA	S	NA	NA	GR	None	None
Dyna-Gro 31R54	V	5.4	2	S	1	NA	GR	None	2
Dyna-Gro 32A53	V	5.3	2	S	2	NA	GR	None	2
Dyna-Gro 32B57	V	5.7	2	S	2	NA	GR	None	2
Dyna-Gro 32C38	V	3.8	2	Rps1c	2	PI88788	GR/STS	None	3
Dyna-Gro 32P48	V	4.8	1	Rps1a	2	NA	GR	None	2
Dyna-Gro 32R46	V	4.6	2	S	1	PI88788	GR/STS	None	3
Dyna-Gro 32X39	V	3.9	2	Rps1c	2	PI88788	GR	None	3
Dyna-Gro 33A37	V	3.7	NA	NA	NA	NA	GR	None	3
Dyna-Gro 33A40	V	4.0	3	S	4	PI88788	GR/STS	None	3
Dyna-Gro 33B52	V	5.2	2	S	2	NA	GR	None	2
Dyna-Gro 33C32	V	3.2	NA	NA	NA	NA	GR	None	3
Dyna-Gro 33C59	V	5.9	1	S	2	NA	GR	None	2
Dyna-Gro 33P54	V	5.4	2	S	2	NA	GR	None	2
Dyna-Gro 33X55	V	5.5	1	S	1	NA	GR	None	2
Dyna-Gro 33Y45	V	4.5	2	S	3	PI88788	GR/STS	None	3
Dyna-Gro 3583	V	5.9	2	S	2	NA	GR	None	2
Dyna-Gro 35D44	V	4.4	3	S	1	Peking	GR/STS	None	3
Dyna-Gro 35F37	V	3.7	3	Rps1k	1	PI88788	GR	None	3
Dyna-Gro 35F55	V	5.5	1	S	2	NA	GR	None	2
Dyna-Gro 35G38	V	3.8	2	S	3	PI88788	GR	None	3
Dyna-Gro 35Y36	V	3.6	2	S	3	PI88788	GR	None	3
Dyna-Gro 36C44	V	4.4	1	S	2	PI88788	GR/STS	None	3
Dyna-Gro 36Y48	V	4.8	2	S	2	PI88788	GR/STS	None	3
Dyna-Gro 37A44	V	4.4	2	S	2	NA	GR	None	2
Dyna-Gro 37P49	V	4.9	1	Rps1a	1	NA	GR	None	2
Dyna-Gro 38B31	V	3.1	7	Rps1c	1	PI88788	GR	None	3
Dyna-Gro 38C42	V	4.2	3	S	3	PI88788	GR	None	3
Dyna-Gro 38R33	V	3.3	3	Rps1c	3	PI88788	GR	None	3
Dyna-Gro SXO8137	V	3.7	NA	NA	NA	NA	GR	None	3
Dyna-Gro SXO8341	V	4.1	NA	NA	NA	NA	GR/STS	None	3
Dyna-Gro SXO8734STS/RR	V	3.4	NA	NA	NA	NA	GR/STS	None	3
Dyna-Gro SXO8831	V	3.1	NA	NA	NA	NA	GR	None	3
Dyna-Gro SXO8940	V	4.0	NA	NA	NA	NA	GR/STS	None	3
Eagle Seed ES5555RR	-	5.4	-	-	-	-	-	-	2, 6
Fontanelle 407	-	4.0	-	-	-	-	-	-	None

Fontanelle 9680 NRR	-	3.8	-	-	-	-	-	-	-	None
Fontanelle 9772	-	3.7	-	-	-	-	-	-	-	None
Fontanelle 9789 NRR	-	3.8	-	-	-	-	-	-	-	None
G2 Genetics 7333	BR	3.3	5	Rps1c	6	PI88788	GR	None		4
G2 Genetics 7341	BR	3.4	5	Rps1k	7	PI88788	GR	None		4
G2 Genetics 7383	BR	3.8	4	Rps1k	6	PI88788	GR	None		4
G2 Genetics 7391	BR	3.9	5	Rps1k	6	PI88788	GR	None		4
G2 Genetics 7401	BR	4.0	6	S	7	PI88788	GR	None		4
G2 Genetics 7471	BR	4.7	5	Rps1k	6	PI88788	GR	None		4
Gateway 4R492	BR	4.9	2	Rps1a	1	PI88788	GR	None		4
Gateway 4RS449	BR	4.4	3	S	2	PI88788	GR/STS	None		4
Gateway 4RS477	BR	4.7	3	S	3	PI88788	GR/STS	None		4
Gateway 4RS497	BR	4.9	2	Rps1c	3	PI88788	GR/STS	None		4
Gateway 5R501	BR	5.0	2	Rps1k	2	PI88788	GR	None		4
Hornbeck HBK R3927	BR	3.9	4	S	7	NA	GR	None		2, 6
Hornbeck HBK R4527	BR	4.5	1	Rps1c	NA	NA	GR	None		2, 6
Hornbeck HBK R4727	BR	4.7	3	Rps1c	2	PI88788	GR	None		2, 6
Hornbeck HBK R4924	BR	4.9	6	S	3	PI88788	GR	None		2, 6
Hornbeck HBK R5226	BR	5.2	2	Rps1c	2	PI88788	GR	None		2, 6
Hornbeck HBK R5425	BR	5.4	1	S	3	PI88788	GR	None		2, 6
Hornbeck HBK R5525	BR	5.5	1	S	3	PI88788	GR	None		2, 6
Hornbeck HBK RS5227	BR	5.2	3	S	6	PI88788	GR	None		2, 6
Jake	V	5.4	3	S	3	Hartwig	None	None		2
Kruger K-329RR/SCN	BR	3.2	-	Rps1c	-	PI88788	GR	None		None
Kruger K-333RR/SCN	BR	3.3	-	Rps1k	-	PI88788	GR	None		None
Kruger K-341RR/SCN	BR	3.4	-	Rps1k	-	PI88788	GR	None		None
Kruger K-348RR/SCN	BR	3.4	-	Rps1c	-	PI88788	GR	None		None
Kruger K-363RR/SCN	BR	3.6	-	S	-	PI88788	GR	None		None
Kruger K-372RR/SCN	BR	3.7	-	S	-	PI88788	GR	None		None
Kruger K-382RR/SCN	BR	3.8	-	S	-	PI88788	GR	None		None
Kruger K-384RR/SCN	BR	3.8	-	Rps1c	-	PI88788	GR	None		None
Kruger K-389RR/SCN	BR	3.8	-	Rps1c	-	PI88788	GR/STS	None		None
Kruger K-410RR/SCN	BR	4.1	-	S	-	PI88788	GR/STS	None		None
Kruger K-417RR/SCN	BR	4.1	-	S	-	PI88788	GR/STS	None		None
Kruger K-428RR/SCN	BR	4.2	-	S	-	PI88788	GR/STS	None		None
Kruger K-433RR/SCN	BR	4.3	-	S	-	PI88788	GR	None		None
Kruger K-439RR/SCN	BR	4.3	-	S	-	PI88788	GR/STS	None		None
Kruger K-476RR/SCN	BR	4.7	-	S	-	PI88788	GR/STS	None		None
Kruger K-489RR/SCN	BR	4.8	-	Rps1c	-	PI88788	GR/STS	None		None
Lewis 3599	V	3.5	1	Rps1c	4	PI88788	GR	None		1, 7
Lewis 3909	V	3.9	1	Rps1c	2	PI88788	GR	None		1, 7
Lewis 3968	V	3.9	2	Rps1c	3	PI88788	GR	None		1, 7
Lewis 4009	V	4.0	1	Rps1c	3	PI88788	GR	None		1, 7
Lewis 4159	V	4.1	1	Rps1c	5	PI88788	GR	None		1, 7
Lewis 4408	V	4.4	4	NA	3	PI88788	GR	None		1, 7
Mersch. Eisenhower 937RR	BR	3.7	3	Rps1c	5	PI88788	GR/STS	None		1,7,11
Mersch. Everest RR	BR	5.3	3	S	3	PI88788	GR	None		1,7,11
Mersch. Grant 935RR	BR	3.5	3	Rps1a	3	PI88788	GR	None		1,7,11
Mersch. Houston 747RR	BR	4.7	3	S	3	PI88788	GR/STS	None		1,7,11
Mersch. Kennedy 836RR	BR	3.6	3	Rps1k	4	PI88788	GR	None		1,7,11
Mersch. Madison 938RR	BR	3.8	3	Rps1c	3	PI88788	GR	None		1,7,11
Mersch. Memphis 943RR	BR	4.3	3	S	3	PI88788	GR/STS	None		1,7,11
Mersch. Nashville 749RR	BR	4.9	3	Rps1a	3	PI88788	GR	None		1,7,11
Mersch. Norfolk 741RR	BR	4.1	3	S	4	PI88788	GR/STS	None		1,7,11
Mersch. Phoenix 940RR	BR	4.0	3	S	3	PI88788	GR/STS	None		1,7,11

Mersch. Richmond 649RR	BR	4.9	3	S	3	PI88788	GR/STS	None	1,7,11
Mersch. Rocky RR	BR	4.6	4	S	4	PI88788	GR	None	1,7,11
Mersch. Rushmore 959RR	BR	5.9	3	S	4	PI88788	GR/STS	None	1,7,11
Mersch. Santa Fe 945RR	BR	4.5	4	S	3	PI88788	GR/STS	None	1,7,11
Midland MG 3439NRR	BR	3.4	2	S	2	PI88788	GR	None	7
Midland MG 3738NRR	BR	3.7	2	S	2	PI88788	GR	None	7
Midland MG 3919NRR	BR	3.9	2	S	1	PI88788	GR	None	7
Midland MG 3979NRR	BR	3.9	1	S	2	PI88788	GR	None	7
Midland MG 4157NRS	BR	4.1	2	S	2	PI88788	GR	None	7
Midland MG 4289NRS	BR	4.2	2	S	2	PI88788	GR	None	7
Midland MG 4329NRR	BR	4.3	2	S	2	PI88788	GR	None	7
Midland MG 4477NRR	BR	4.4	2	S	2	PI88788	GR	None	7
Midland MG 4768NRR	BR	4.7	2	S	2	PI88788	GR	None	7
Midland MG 4829NRS	BR	4.8	2	S	2	PI88788	GR	None	7
Midland MG 9A385NRS	BR	3.8	2	Rps1c	2	PI88788	GR	None	7
Midwest Seed Gen. GR3934	BR	3.9	3	Rps1c	3	PI88788	GR	None	None
Midwest Seed Gen. GR4133	BR	4.1	2	S	3	PI88788	GR/STS	None	None
Midwest Seed Gen. GR4531	BR	4.4	3	Rps1a	2	PI88788	GR/STS	None	None
Midwest Seed Gen. GR4831	BR	4.8	3	Rps1a	3	PI88788	GR/STS	None	None
Midwest Seed Gen. GR5434	BR	5.4	4	Rps1c	3	PI88788	GR/STS	None	None
Morsoy RT 3508N	BR	3.5	3	Rps1c	3	PI88788	GR	None	4
Morsoy RT 3738N	BR	3.7	3	Rps1c	4	PI88788	GR	None	4
Morsoy RT 3777N	BR	3.7	3	Rps1c	3	PI88788	GR	None	4
Morsoy RT 3804N	BR	3.8	2	Rps1c	3	PI88788	GR	None	4
Morsoy RT 3807N	BR	3.8	3	Rps1c	3	PI88788	GR	None	4
Morsoy RT 3858N	BR	3.8	3	Rps1c	4	PI88788	GR	None	4
Morsoy RT 3887N	BR	3.8	2	Rps1c	3	PI88788	GR	None	4
Morsoy RT 3936N	BR	3.9	2	Rps1c	2	PI88788	GR	None	4
Morsoy RT 4057N	BR	4.0	3	Rps1c	4	PI88788	GR	None	4
Morsoy RT 4107N	BR	4.1	2	S	2	PI88788	GR	None	4
Morsoy RT 4126N	BR	4.1	2	S	2	PI88788	GR	None	4
Morsoy RT 4327N	BR	4.3	4	S	5	PI88788	GR	None	4
Morsoy RT 4348N	BR	4.3	4	S	4	PI88788	GR	None	4
Morsoy RT 4457N	BR	4.4	3	S	3	PI88788	GR	None	4
Morsoy RT 4485N	BR	4.4	4	S	4	PI88788	GR	None	4
Morsoy RT 4688N	BR	4.6	2	S	NA	PI88788	GR	None	4
Morsoy RT 4707N	BR	4.7	4	Rps1c	4	PI88788	GR	None	4
Morsoy RT 4806N	BR	4.8	2	NA	NA	PI88788	GR	None	4
Morsoy RT 4888N	BR	4.8	3	NA	NA	PI88788	GR	None	4
Morsoy RT 4987N	BR	4.9	4	S	3	PI88788	GR	None	4
Morsoy RT 5154N	BR	5.1	3	S	2	PI88788	GR	None	4
Morsoy RT 5168N	BR	5.1	2	NA	NA	PI88788	GR	None	4
Morsoy RT 5288N	BR	5.2	3	S	NA	PI88788	GR	None	4
Morsoy RT 5388N	BR	5.3	2	NA	NA	PI88788	GR	None	4
Morsoy RT 5506N	BR	5.5	2	Rps1c	NA	PI88788	GR	None	4
Morsoy RT 5688N	BR	5.6	2	S	NA	PI88788	GR	None	4
Morsoy RTS 4488N	BR	4.4	2	S	3	PI88788	GR/STS	None	4
Morsoy RTS 4556N	BR	4.5	2	NA	NA	PI88788	GR/STS	None	4
Morsoy RTS 4706N	BR	4.7	3	NA	NA	PI88788	GR	None	4
Morsoy RTS 4718N	BR	4.7	4	Rps1c	2	PI88788	GR	None	4
Morsoy RTS 4824	BR	4.8	3	Rps1a	3	S	GR/STS	None	4
Morsoy RTS 4955N	BR	4.9	2	NA	NA	PI88788	GR/STS	None	4
MPG 3609nRR	BR	3.7	2	Rps1c	3	PI88788	GR	None	7
MPG 3808nRR	BR	3.8	2	Rps1c	3	PI88788	GR	None	7
MPG 3908nRR/STS	BR	3.9	2	S	3	PI88788	GR	None	7



MPG 415CN	BR	4.1	3	S	3	NA	None	None	7
MPG 4209nRR	BR	4.2	2	S	3	PI88788	GR	None	7
MPG 4406nRR	BR	4.4	3	S	3	PI88788	GR	None	7
MPG 4509nRR/STS	BR	4.5	2	S	3	PI88788	GR/STS	None	7
MPG 4707nRR/STS	BR	4.7	2	S	3	PI88788	GR/STS	None	7
MPG 4808RR	BR	4.8	2	S	3	NA	GR	None	7
MPG 4905nRR	BR	4.9	2	S	3	PI88788	GR	None	7
MPG 4907nRR/STS	BR	4.9	3	S	3	PI88788	GR	None	7
MPG 4909nRR	BR	4.9	2	Rps1c	3	PI88788	GR/STS	None	7
MPG 5308nRR	BR	5.3	2	S	3	NA	GR	None	7
MPG 5407nRR	BR	5.4	2	S	3	NA	GR	None	7
MPG 5505nRR/STS	BR	5.5	3	S	3	NA	GR/STS	None	7
MPG 5969	BR	4.8	3	-	-	-	-	-	7
MPG 6013	BR	4.8	-	-	-	-	-	-	7
MPG XSSRR46594	BR	4.9	2	S	3	NA	GR	None	7
MPV 4238N	BR	4.2	5	S	4	NA	None	None	7
MUExp-38292	V	3.8	2	Rps1c	7	PI88788	GR	None	2
MUExp-39662	V	3.9	1	Rps1k	1	PI88788/ PI437654	GR	None	2
MUExp-43770	V	4.3	2	Rps1c	1	PI88788	GR	None	2
NC+ 3A86RS	BR	3.8	4	Rps1c	3	PI88788	GR/STS	None	None
NC+ 4A15RS	BR	4.1	2	S	3	PI88788	GR/STS	None	None
NC+ 4A81RS	BR	4.8	3	Rps1a	3	PI88788	GR/STS	None	None
NK S34-R2 Brand	V	3.4	3	Rps1a	2	PI88788	GR	None	4
NK S35-T9 Brand	V	3.5	4	S	4	PI88788	GR	None	4
NK S37-F7 Brand	V	3.7	3	S	3	PI88788	GR	None	4
NK S37-P5 Brand	V	3.7	2	S	3	PI88788	GR	None	4
NK S39-A3 Brand	V	3.9	3	S	2	PI88788	GR	None	4
NK S41-R6 Brand	V	4.1	3	S	3	PI88788	GR	None	4
NK S43-N6 Brand	V	4.3	3	Rps1c	4	PI88788	GR	None	4
NK S44-D5 Brand	V	4.4	4	Rps1c	4	PI88788	GR	None	4
NK S45-E5 Brand	V	4.5	5	Rps1k	5	PI88788	GR	None	4
NK S46-U6 Brand	V	4.6	4	Rps1c	7	PI88788	GR	None	4
NK S47-D9 Brand	V	4.7	4	Rps1c	4	PI88788	GR	None	4
NK S49-H7 Brand	V	4.9	3	S	5	PI88788	GR	None	4
NK S49-Q9	V	4.9	4	Rps1c	5	PI88788	GR	None	4
NK S49-W6 Brand	V	4.9	3	S	6	PI88788	GR	None	4
NK S52-F2 Brand	V	5.2	4	S	5	PI88788	GR	None	4
NK S56-D7	V	5.6	4	S	5	PI88788	GR	None	4
NuTech NT-3888 RR/SCN	BR	3.8	-	-	-	-	-	-	4
NuTech NT-3909+ RR/SCN	BR	3.9	-	-	-	-	-	-	4
NuTech NT-4242 RR/SCN	BR	4.2	-	-	-	-	-	-	4
NuTech NT-7353	BR	3.5	-	-	-	-	-	-	4
NuTech NT-7354	BR	3.5	-	-	-	-	-	-	4
NuTech NT-7386	BR	3.8	-	-	-	-	-	-	4
NuTech NT-7399	BR	3.9	-	-	-	-	-	-	4
NuTech NT-7406	BR	4.0	-	-	-	-	-	-	4
NuTech NT-7417	BR	4.1	-	-	-	-	-	-	4
NuTech NT-7438	BR	4.3	-	-	-	-	-	-	4
NuTech NT-7475	BR	4.7	-	-	-	-	-	-	4
Pioneer 93M61	V	3.6	4	Rps1k	4	PI88788	GR	None	4
Pioneer 93Y70	V	3.7	6	S	4	PI88788	GR	None	4
Pioneer 94M80	V	4.8	3	S	3	PI88788	GR	None	4
Pioneer 94Y01	V	4.0	5	Rps1k	4	PI88788	GR	None	4
Pioneer 94Y10	V	4.1	4	Rps1k	6	PI88788	GR	None	4

Pioneer 94Y20	V	4.2	6	Rps1k	3	PI88788	GR	None	4
Pioneer 94Y60	V	4.6	5	Rps1k	3	PI88788	GR	None	4
Pioneer 94Y70	V	4.7	5	S	4	PI88788	GR	None	4
Pioneer 94Y90	V	4.9	5	S	3	PI88788	GR	None	4
Pioneer 95M50	V	5.5	3	S	4	PI88788	GR	None	2
Pioneer 95Y20	V	5.2	3	S	4	PI88788	GR	None	4
Pioneer 95Y40	V	5.4	4	Rps1k	4	PI88788	GR	None	4
Prairie Brand PB-3598NRR	BR	3.5	4	Rps1c	3	PI88788	GR	None	4
Prairie Brand PB-3637NRR	BR	3.7	4	Rps1c	4	PI88788	GR	None	4
Prairie Brand PB-3796NRR	BR	3.7	3	S	4	PI88788	GR	None	4
Prairie Brand PB-3858NRRSTS	BR	3.8	5	Rps1c	4	PI88788	GR/STS	None	4
Prairie Brand PB-3894NRRSTS	BR	3.8	5	Rps1c	3	PI88788	GR/STS	None	4
Prairie Brand PB-3997NRR	BR	3.9	3	Rps1c	3	PI88788	GR	None	4
Prairie Brand PB-4058NRRSTS	BR	4.1	4	S	2	PI88788	GR/STS	None	4
Prairie Brand PB-4157NRRSTS	BR	4.1	4	S	4	PI88788	GR/STS	None	4
Prairie Brand PB-4298NRRSTS	BR	4.3	3	S	4	PI88788	GR/STS	None	4
Progeny 4206 RR	BR	4.1	NA	S	3	NA	GR	None	2
Progeny 4405 RR	BR	4.4	NA	Rps1a	3	NA	GR	None	2
Progeny 4408 RR	BR	4.6	NA	S	3	NA	GR/STS	None	2
Progeny 4508 RR	BR	4.5	NA	S	3	NA	GR	None	2
Progeny 4606 RR	BR	4.6	NA	S	3	NA	GR/STS	None	2
Progeny 4706 RR	BR	4.7	NA	S	3	NA	GR	None	2
Progeny 4718 RR	BR	4.7	NA	S	3	NA	GR	None	2
Progeny 4807 RR	BR	4.8	NA	S	3	NA	GR	None	2
Progeny 4906 RR	BR	4.9	NA	Rps1a	3	NA	GR	None	2
Progeny 4908 RR	BR	4.9	NA	S	3	NA	GR	None	2
Progeny 4918 RR	BR	4.9	NA	Rps1a	3	NA	GR	None	2
Progeny 4949 RR	BR	4.9	NA	S	3	NA	GR	None	2
Progeny 5107 RR	BR	5.1	NA	S	NA	NA	GR	None	2
Progeny 5108 RR	BR	5.1	NA	S	3	NA	GR	None	2
Progeny 5115 RR	BR	5.1	NA	S	3	NA	GR	None	2
Progeny 5208 RR	BR	5.2	NA	Rps1a	3	NA	GR	None	2
Progeny 5218 RR	BR	5.2	NA	S	3	NA	GR	None	2
Progeny 5308 RR	BR	5.3	NA	Rps1c	3	NA	GR/STS	None	2
Progeny 5408 RR	BR	5.4	NA	S	3	NA	GR	None	2
Progeny 5622 RR	BR	6.6	NA	S	3	NA	GR	None	2
Progeny 5650 RR	BR	5.6	NA	Rps1a	3	NA	GR	None	2
Renze R3599RRcn	BR	3.5	3	Rps1c	3	PI88788	GR	None	4
Renze R3788RRcn	BR	3.7	3	Rps1c	3	PI88788	GR	None	4
S04-20912	V	3.9	3	S	2	PI88788	GR	None	2
S04-3924	V	3.9	3	S	4	PI88788	GR	None	2
S05-4604	V	4.9	3	S	7	PI88788	GR	None	2
Schillinger 388.TC	-	3.8	-	-	-	-	-	-	2
Schillinger 398.RCP	-	3.9	-	-	-	-	-	-	None
Schillinger 428F.HPC	-	4.2	-	-	-	-	-	-	None
Schillinger 435.TCS	-	4.3	-	-	-	-	-	-	3
Schillinger 447.TC	-	4.4	-	-	-	-	-	-	2
Schillinger 448F.HPC	-	4.4	-	-	-	-	-	-	None
Schillinger 457.RCP	-	4.5	-	-	-	-	-	-	None
Schillinger 477.TCS	-	4.7	-	-	-	-	-	-	None
Schillinger 478.RCS	-	4.7	-	-	-	-	-	-	None
Schillinger 495.RC	-	4.9	-	-	-	-	-	-	None
Schillinger 557.RC	-	5.5	-	-	-	-	-	-	None
Southern Cross Caleb	V	4.4	2	NA	3	PI88788	GR/STS	None	None
Southern Cross Damascus	V	5.0	3	NA	3	PI88788	GR/STS	None	None

Southern Cross Eli	V	4.7	6	S	4	PI88788	GR/STS	None	None
Southern Cross Galilee	V	4.7	2	Rps1c	2	PI88788	GR	None	None
Southern Cross Rufus	V	4.7	2	Rps1c	2	PI88788	GR/STS	None	None
Stine 3602-4	BR	3.6	2	Rps1c	2	PI88788	GR	None	None
Stine 4020-4	BR	4.0	2	S	2	PI88788	GR/STS	None	None
Stine 4182-4	BR	4.1	2	S	2	PI88788	GR/STS	None	None
Stine 4392-4	BR	4.3	2	S	2	PI88788	GR/STS	None	None
Stine 4782-4	BR	4.7	2	S	2	PI88788	GR/STS	None	None
Stoddard	V	4.9	3	S	3	Hartwig	None	None	2
Stone 2346NRR	V	3.4	2	Rps1c	4	PI88788	GR	None	4
Stone 3A368NRR	V	3.6	2	S	NA	PI88788	GR	None	4
Stone 3A388NRR	V	3.8	2	Rps1c	2	PI88788	GR	None	4
Stone 3A398NRR	V	3.9	3	Rps1c	3	PI88788	GR	None	4
Stone 3A449NRR/STS	V	4.4	4	S	4	PI88788	GR	None	4
Taylor 353RR	BR	3.6	2	S	2	S	GR	None	5, 7
Taylor 398RRS	BR	3.9	2	Rps1k	2	PI88788	GR	None	5, 7
Terral TV46R19	BR	4.6	2	NA	NA	NA	GR	None	2
Terral TV47R17	BR	4.7	NA	NA	NA	NA	GR	None	2
Terral TV47R18	BR	4.7	2	NA	NA	NA	GR	None	2
Terral TV49R19	BR	4.9	2	NA	NA	NA	GR	None	2
Terral TV49R27	BR	4.9	NA	Rps1k	3	NA	GR	None	2
Terral TV52R28	BR	5.2	2	NA	NA	NA	GR	None	2
Terral TV54R28	BR	5.4	2	NA	NA	NA	GR	None	2
Terral TV55R15	BR	5.5	2	NA	NA	NA	GR	None	2
Terral TV59R16	BR	5.9	2	NA	NA	NA	GR	None	2
Trisoy 4184RR(CN)	BR	4.1	5	S	5	PI88788	GR/STS	None	1,5,7
Trisoy 4586RR(CN)	BR	4.5	4	S	4	PI88788	GR/STS	None	1,5,7
Trisoy 4760RR(CN)	BR	4.7	4	S	3	PI88788	GR/STS	None	1,5,7
Trisoy 4788RR(CN)	BR	4.7	4	Rps1c	3	PI88788	GR/STS	None	1,5,7
UniSouth USG 5601T	BR	5.6	NA	NA	NA	NA	None	None	4
UniSouth USG 7495NRS	BR	4.9	NA	NA	NA	PI88788	GR/STS	None	4
UniSouth USG 74A27	BR	4.2	NA	NA	NA	PI88788	GR	None	4
UniSouth USG 74A88	BR	4.8	NA	Rps1a	NA	PI88788	GR	None	4
UniSouth USG 74E68	BR	4.6	2	Rps1c	4	NA	GR	None	4
UniSouth USG 74F78	BR	4.7	2	NA	NA	PI88788	GR	None	4
UniSouth USG 74G78	BR	4.7	2	NA	2	PI88788	GR/STS	None	4
UniSouth USG 74H48	BR	4.4	NA	NA	NA	NA	GR/STS	None	4
UniSouth USG 74T98	BR	4.9	2	NA	NA	NA	GR	None	4
UniSouth USG 7515NRS	BR	5.0	2	NA	NA	PI88788	GR/STS	None	4
UniSouth USG 7553NRS	BR	5.5	3	NA	NA	NA	GR/STS	None	4
UniSouth USG 75J18	BR	5.1	NA	NA	NA	PI88788	GR	None	4
UniSouth USG 75J32	BR	5.3	2	NA	NA	NA	GR	None	4
UniSouth USG 75J47	BR	5.4	2	NA	2	PI88788	GR	None	4
UniSouth USG 75Z38	BR	5.3	NA	NA	NA	PI88788	GR	None	4
UniSouth USG Allen	BR	5.6	NA	NA	NA	NA	GR	None	4
V98-2711	V	5.3	NA	NA	NA	S	None	None	None
Willcross RR2397N	BR	3.9	1	Rps1c	2	PI88788	GR	None	1, 7
Willcross RR2440NSTS	BR	4.4	2	S	2	PI88788	GR/STS	None	1, 7
Willcross RR2450N	BR	4.5	2	NA	2	PI88788	GR	None	1, 7
Willcross RR2460NS	BR	4.6	2	NA	2	NA	GR	None	1, 7
Willcross RR2470NSTS	BR	4.7	2	Rps1c	2	PI88788	GR/STS	None	1, 7
Willcross RR2477NSTS	BR	4.7	2	NA	2	NA	GR/STS	None	1, 7
Willcross RR2484N	BR	4.6	2	S	2	NA	GR	None	1, 7
Willcross RR2490NSTS	BR	4.9	2	Rps1c	2	PI88788	GR/STS	None	1, 7
Willcross RR2498NSTS	BR	4.9	2	S	2	PI88788	GR/STS	None	1, 7

Willcross RR2507NSTS	BR	5.0	2	S	2	PI88788	GR/STS	None	1, 7
Willcross RR2544NSTS	BR	5.4	3	S	2	NA	GR/STS	None	1, 7
Willcross RR2547N	BR	5.4	2	S	2	NA	GR	None	1, 7

\* Descriptions were provided by the companies submitting them for evaluation

NA – Information Not Available

Seed Treatment: Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron Maxx (Mefenoxam, Fludioxonil); 3= Apron XL (Mefenoxam); 4= Cruiser (Thiamethoxam); 5= Cruiser Maxx (Thiamethoxam, Fludioxonil, Mefenoxam); 6= Dynasty (Azoxystrobin); 7= Gaucho (Imidacloprid) 8= Maxim XL (Fludioxonil); 9= Molybdenum; 10= Soygard (Metalaxyl, Azoxystrobin); 11= Trilex (Trifloxystrobin); 12= Warden (Mefenoxam, Fludioxonil)

Variety/ Brand: V for variety, BR for brand

Maturity Group: Relative Maturity Group

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

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

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

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

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

Special Traits: HO=High Oil; HP=High Protein; LL=Low Linolenic; MP=Mod Protein

## Table Numbers for Varieties Entered in the 2008 Missouri Soybean Variety Test

Variety Name	Table Numbers
AG South AGS 568RR	36, 37, 38, 39, 40, 41
Armor 38-G2	36, 37, 38, 39, 40, 41
Armor 42-M1	36, 37, 38, 39, 40, 41
Armor 44-K6	36, 37, 38, 39, 40, 41
Armor 47-F8	36, 37, 38, 39, 40, 41
Armor 48-J3	36, 37, 38, 39, 40, 41
Armor 53-Z5	36, 37, 38, 39, 40, 41
Armor 55-A5	36, 37, 38, 39, 40, 41
Armor ARX 4560	36, 37, 38, 39, 40, 41
Armor ARX 4717	36, 37, 38, 39, 40, 41
Armor ARX 938	36, 37, 38, 39, 40, 41
Armor GP-533	36, 37, 38, 39, 40, 41
Asgrow AG3402	2, 3, 4, 5, 6
Asgrow AG3504	2, 3, 4, 5, 6
Asgrow AG3603	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Asgrow AG3705	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Asgrow AG3803	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Asgrow AG3905	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Asgrow AG4005	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Asgrow AG4103	12, 13, 14, 15, 16
Asgrow AG4303	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Asgrow AG4404	12, 13, 14, 15, 16, 36, 37, 38, 39, 40, 41
Asgrow AG4606	23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Asgrow AG4703	23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Asgrow AG4705	23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Asgrow AG4903	23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Asgrow AG4907	23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Asgrow AG5304	36, 37, 38, 39, 40, 41
Asgrow AG5405	36, 37, 38, 39, 40, 41
Asgrow AG5503	36, 37, 38, 39, 40, 41
Asgrow DKB46-51	23, 24, 25, 26, 27, 28
Asoyia 3106SCN	7, 8, 9, 10
Asoyia 3208	7, 8, 9, 10
Asoyia 3517SCN	7, 8, 9, 10
Asoyia 3867SCN	7, 8, 9, 10
Crow's C3916R	2, 3, 4, 5, 6
Crow's C4119R	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Crow's C4519R	12, 13, 14, 15, 16
Crow's C4820R	36, 37, 38, 39, 40, 41
Crow's C5417R	36, 37, 38, 39, 40, 41
Dairyland 4300/RR	36, 37, 38, 39, 40, 41
Dairyland 4500/RRSTS	36, 37, 38, 39, 40, 41
Dairyland 8482/RR	36, 37, 38, 39, 40, 41
Dairyland 8509/RR	36, 37, 38, 39, 40, 41
Dairyland 8512/RR	36, 37, 38, 39, 40, 41
Dairyland DST47-001/RR	36, 37, 38, 39, 40, 41
Delta Grow 4150RR	36, 37, 38, 39, 40, 41
Delta Grow 4460RR	36, 37, 38, 39, 40, 41
Delta Grow 4470RR/STS	36, 37, 38, 39, 40, 41
Delta Grow 4770RR	36, 37, 38, 39, 40, 41
Delta Grow 4780RR	36, 37, 38, 39, 40, 41
Delta Grow 4820RR	36, 37, 38, 39, 40, 41

Delta Grow 4840RR	36, 37, 38, 39, 40, 41
Delta Grow 4870RR	36, 37, 38, 39, 40, 41
Delta Grow 4970RR	36, 37, 38, 39, 40, 41
Delta Grow 4975LARR	36, 37, 38, 39, 40, 41
Delta Grow 5160RR/STS	36, 37, 38, 39, 40, 41
Delta Grow 5170RR	36, 37, 38, 39, 40, 41
Delta Grow 5280RR	36, 37, 38, 39, 40, 41
Delta Grow 5300RR	36, 37, 38, 39, 40, 41
Delta Grow 5450RR	36, 37, 38, 39, 40, 41
Delta Grow 5555RR	36, 37, 38, 39, 40, 41
Delta Grow 5570RR/STS	36, 37, 38, 39, 40, 41
Delta King DK4667	36, 37, 38, 39, 40, 41
Delta King DK52-K6	36, 37, 38, 39, 40, 41
Delta King DKXTJ848	36, 37, 38, 39, 40, 41
Delta King DKXTJ946	36, 37, 38, 39, 40, 41
Delta Pine DP 4546 RR	36, 37, 38, 39, 40, 41
Delta Pine DP 4888 RR/S	36, 37, 38, 39, 40, 41
Delta Pine DP 5335 RR/S	36, 37, 38, 39, 40, 41
Dyna-Gro 31R54	36, 37, 38, 39, 40, 41
Dyna-Gro 32A53	36, 37, 38, 39, 40, 41
Dyna-Gro 32B57	36, 37, 38, 39, 40, 41
Dyna-Gro 32C38	23, 24, 25, 26, 27, 28
Dyna-Gro 32P48	36, 37, 38, 39, 40, 41
Dyna-Gro 32R46	2, 3, 4, 5, 6, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Dyna-Gro 32X39	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Dyna-Gro 33A37	23, 24, 25, 26, 27, 28
Dyna-Gro 33A40	23, 24, 25, 26, 27, 28
Dyna-Gro 33B52	36, 37, 38, 39, 40, 41
Dyna-Gro 33C32	23, 24, 25, 26, 27, 28
Dyna-Gro 33C59	36, 37, 38, 39, 40, 41
Dyna-Gro 33P54	36, 37, 38, 39, 40, 41
Dyna-Gro 33X55	36, 37, 38, 39, 40, 41
Dyna-Gro 33Y45	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Dyna-Gro 3583	36, 37, 38, 39, 40, 41
Dyna-Gro 35D44	23, 24, 25, 26, 27, 28
Dyna-Gro 35F37	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Dyna-Gro 35F55	36, 37, 38, 39, 40, 41
Dyna-Gro 35G38	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Dyna-Gro 35Y36	23, 24, 25, 26, 27, 28
Dyna-Gro 36C44	2, 3, 4, 5, 6, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Dyna-Gro 36Y48	23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Dyna-Gro 37A44	36, 37, 38, 39, 40, 41
Dyna-Gro 37P49	36, 37, 38, 39, 40, 41
Dyna-Gro 38B31	2, 3, 4, 5, 6
Dyna-Gro 38C42	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Dyna-Gro 38R33	2, 3, 4, 5, 6, 23, 24, 25, 26, 27, 28
Dyna-Gro SXO8137	23, 24, 25, 26, 27, 28
Dyna-Gro SXO8341	23, 24, 25, 26, 27, 28
Dyna-Gro SXO8734STS/RR	2, 3, 4, 5, 6
Dyna-Gro SXO8831	2, 3, 4, 5, 6
Dyna-Gro SXO8940	23, 24, 25, 26, 27, 28
Eagle Seed ES5555RR	36, 37, 38, 39, 40, 41
Fontanelle 407	2, 3, 4, 5, 6
Fontanelle 9680 NRR	2, 3, 4, 5, 6
Fontanelle 9772	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Fontanelle 9789 NRR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16

G2 Genetics 7333	2, 3, 4, 5, 6
G2 Genetics 7341	2, 3, 4, 5, 6
G2 Genetics 7383	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
G2 Genetics 7391	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
G2 Genetics 7401	2, 3, 4, 5, 6
G2 Genetics 7471	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Gateway 4R492	36, 37, 38, 39, 40, 41
Gateway 4RS449	36, 37, 38, 39, 40, 41
Gateway 4RS477	36, 37, 38, 39, 40, 41
Gateway 4RS497	36, 37, 38, 39, 40, 41
Gateway 5R501	36, 37, 38, 39, 40, 41
Hornbeck HBK R3927	36, 37, 38, 39, 40, 41
Hornbeck HBK R4527	36, 37, 38, 39, 40, 41
Hornbeck HBK R4727	36, 37, 38, 39, 40, 41
Hornbeck HBK R4924	36, 37, 38, 39, 40, 41
Hornbeck HBK R5226	36, 37, 38, 39, 40, 41
Hornbeck HBK R5425	36, 37, 38, 39, 40, 41
Hornbeck HBK R5525	36, 37, 38, 39, 40, 41
Hornbeck HBK RS5227	36, 37, 38, 39, 40, 41
Jake	29, 30, 31, 32, 33, 34, 42, 43, 44, 45, 46, 47
Kruger K-329RR/SCN	2, 3, 4, 5, 6
Kruger K-333RR/SCN	2, 3, 4, 5, 6
Kruger K-341RR/SCN	2, 3, 4, 5, 6
Kruger K-348RR/SCN	2, 3, 4, 5, 6
Kruger K-363RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Kruger K-372RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Kruger K-382RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Kruger K-384RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Kruger K-389RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Kruger K-410RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Kruger K-417RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Kruger K-428RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Kruger K-433RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Kruger K-439RR/SCN	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Kruger K-476RR/SCN	23, 24, 25, 26, 27, 28
Kruger K-489RR/SCN	23, 24, 25, 26, 27, 28
Lewis 3599	2, 3, 4, 5, 6
Lewis 3909	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Lewis 3968	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Lewis 4009	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Lewis 4159	12, 13, 14, 15, 16
Lewis 4408	12, 13, 14, 15, 16
Mersch. Eisenhower 937RR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Mersch. Everest RR	36, 37, 38, 39, 40, 41
Mersch. Grant 935RR	2, 3, 4, 5, 6
Mersch. Houston 747RR	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Mersch. Kennedy 836RR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Mersch. Madison 938RR	2, 3, 4, 5, 6
Mersch. Memphis 943RR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Mersch. Nashville 749RR	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Mersch. Norfolk 741RR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 36, 37, 38, 39, 40, 41
Mersch. Phoenix 940RR	2, 3, 4, 5, 6, 36, 37, 38, 39, 40, 41
Mersch. Richmond 649RR	36, 37, 38, 39, 40, 41
Mersch. Rocky RR	36, 37, 38, 39, 40, 41
Mersch. Rushmore 959RR	36, 37, 38, 39, 40, 41
Mersch. Santa Fe 945RR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41

Midland MG 3439NRR	2, 3, 4, 5, 6
Midland MG 3738NRR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Midland MG 3919NRR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Midland MG 3979NRR	12, 13, 14, 15, 16
Midland MG 4157NRS	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Midland MG 4289NRS	12, 13, 14, 15, 16
Midland MG 4329NRR	12, 13, 14, 15, 16
Midland MG 4477NRR	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Midland MG 4768NRR	23, 24, 25, 26, 27, 28
Midland MG 4829NRS	23, 24, 25, 26, 27, 28
Midland MG 9A385NRS	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Midwest Seed Gen. GR3934	2, 3, 4, 5, 6
Midwest Seed Gen. GR4133	2, 3, 4, 5, 6
Midwest Seed Gen. GR4531	23, 24, 25, 26, 27, 28
Midwest Seed Gen. GR4831	23, 24, 25, 26, 27, 28
Midwest Seed Gen. GR5434	36, 37, 38, 39, 40, 41
Morsoy RT 3508N	2, 3, 4, 5, 6
Morsoy RT 3738N	2, 3, 4, 5, 6
Morsoy RT 3777N	2, 3, 4, 5, 6
Morsoy RT 3804N	2, 3, 4, 5, 6
Morsoy RT 3807N	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Morsoy RT 3858N	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Morsoy RT 3887N	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Morsoy RT 3936N	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Morsoy RT 4057N	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
Morsoy RT 4107N	12, 13, 14, 15, 16
Morsoy RT 4126N	12, 13, 14, 15, 16
Morsoy RT 4327N	12, 13, 14, 15, 16
Morsoy RT 4348N	12, 13, 14, 15, 16
Morsoy RT 4457N	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Morsoy RT 4485N	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Morsoy RT 4688N	36, 37, 38, 39, 40, 41
Morsoy RT 4707N	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 41
Morsoy RT 4806N	36, 37, 38, 39, 40, 41
Morsoy RT 4888N	36, 37, 38, 39, 40, 41
Morsoy RT 4987N	23, 24, 25, 26, 27, 28
Morsoy RT 5154N	23, 24, 25, 26, 27, 28
Morsoy RT 5168N	36, 37, 38, 39, 40, 41
Morsoy RT 5288N	36, 37, 38, 39, 40, 41
Morsoy RT 5388N	36, 37, 38, 39, 40, 41
Morsoy RT 5506N	36, 37, 38, 39, 40, 41
Morsoy RT 5688N	36, 37, 38, 39, 40, 41
Morsoy RTS 4488N	36, 37, 38, 39, 40, 41
Morsoy RTS 4556N	36, 37, 38, 39, 40, 41
Morsoy RTS 4706N	36, 37, 38, 39, 40, 41
Morsoy RTS 4718N	12, 13, 14, 15, 16, 23, 24, 25, 26, 27, 28
Morsoy RTS 4824	23, 24, 25, 26, 27, 28
Morsoy RTS 4955N	36, 37, 38, 39, 40, 41
MPG 3609nRR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
MPG 3808nRR	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
MPG 3908nRR/STS	2, 3, 4, 5, 6, 12, 13, 14, 15, 16
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## Sources for Varieties Entered in the 2008 Missouri Soybean Tests

Brand	Company and Address	Company Phone	Company Web
AG South	AG South 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, Suite 104 Iowa City, IA 52240	319-339-4645	asoyia.com
Crow's	Crow's Hybrid Corn Co., 612 E Dunlap St Kentland, IN 47951	515-597-5903	crowshybrid.com
Dairyland	Dairyland Seed Co. Inc., PO Box 958 West Bend, WI 53095	515-233-9610	dairylandseed.com
Delta Grow	Delta Grow Seed, PO Box 219, 220 NW 2nd England, AR 72046	800-530-7933	deltagrow.com
Delta King	Cullum Seed LLC, PO Box 178 Fisher, AR 72429	870-579-2286	cullumseeds.com
Dyna-Gro	UAP, 57 Germantown Ct., Suite 200 Cordova, TN 38018	901-277-3261	dyna-groseed.com
Dyna-Gro	UAP Dyna Gro, 17410 Pike 291 Bowling Green, MO 63334	573-324-2423	dyna-groseed.com
Dyna-Gro	Dyna-Gro Seed, 1506 W Wall Harrisonville, MO 64701	308-627-4439	dyna-groseed.com
Eagle	Eagle Seed Co., PO Box 308 Weiner, AR 72479	870-684-7377	eagleseed.com
Fontanelle	Fontanelle Hybrids, 919 W 23rd Fremont, NE 68025	402-721-8567	fontanelle.com
G2 Genetics	G2 Genetics, 36131 Hwy 69 Forest City, IA 50436	641-581-3350	yieldleader.com
Gateway	Gateway Seed Co., 5517 Van Buren Rd. Nashville, IL 62263	618-327-8000	gatewayseeds.com
Hornbeck	Hornbeck Seed Co., Box 472, 210 Drier Rd. DeWitt, AR 72042	870-946-2087	hbkseed.com
Kruger	Kruger Seed Co., Hwy 20 E, Box A Dike, IA 50624	800-772-2721	krugersseed.com
Lewis	Lewis Hybrids, Inc., 530 W. Maple St. Ursa, IL 62376	217-964-2131	lewishybrids.com
Merschman	Merschman Seed Inc., 103 Ave. D. West Point, IA 52656	319-837-6111	merschmanseeds.com
Midland	Midland Genetics, 1906 Kingman Rd. Ottawa, KS 66067	785-242-3598	midlandgenetics.com
Midwest Prem Gen	Midwest Premium Genetics, 523 S. Main Concordia, MO 64020	660-463-7333	m-pride.com
Midwest Seed Gen	Midwest Seed Genetics, PO Box 518 Carroll, IA 51401	800-369-8218	midwestseed.com
MO Crop Imp.	MO Crop Improvement, 3211 Lemone Blvd. Columbia, MO 65201	573-449-0586	moseed.org
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	870-477-5421	crvseed.com

MU Soy Breeding	UMC Soybean Breeding, 107 Waters Hall Columbia, MO 65211	573-882-0198	
MU Soy Breeding	University of MO - Delta Center, 147 Hwy T Portageville, MO 63873	573-379-5431	
NC+	NC+ Hybrids, 3820 N. 56th St. Lincoln, NE 68504	800-279-7999	nc-plus.com
NK	Syngenta/NK Seed, 7500 Olsen Mem. Hwy. Golden Valley, MN 55427	318-372-3457	nkseed.com
NuTech	NuTech Seed Co., 36131 Hwy 69 Forest City, IA 50436	641-567-3350	nutechseed.com
Pioneer	Pioneer Hi-Bred Int., 700 Blvd. S., Suite 302 Huntsville, AL 35802	800-331-2475	pioneer.com
Pioneer	Pioneer Hi-Bred Int., 8100 S. 15th St. Lincoln, NE 68512	402-467-5456	pioneer.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 Wynne, AR 72396	870-238-2079	progenyag.com
Renze	Renze Hybrids Inc., 27410 Kittyhawk Ave. Carroll, IA 51401	800-634-2676	renzehybrids.com
Schillinger	Schillinger Seed Inc., 4200 Corp. Dr. Suite 106 West Des Moines, IA 50266	515-225-1166	schillingerseed.com
Southern Cross	Miles Farm Supply, PO Box 22879 Owensboro, KY 42304	888-786-4537	milesnmore.com
Stine	Stine Seed Co., 2225 Laredo Trail Adel, IA 50003	515-677-2605	stineseed.com
Stone	Stone Seed Farms Inc., 5965 W. State Rt. 97 Pleasant Plains, IL 62677	217-546-8006	stoneseed.com
Taylor	Taylor Seed Farms Inc., 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
Trisoy	Trisler Seed Farms, Inc. 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
Virginia Tech	Virginia Tech, 509 Latham Hall 0404 Blacksburg, VA 24061	840-231-6496	
Willcross	Neco Seed Farms Inc., PO Box 379 Garden City, MO 64747	816-862-8203	willcross.com

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