

Soybean

2003 Missouri Crop Performance



Wiebold, Sweets, Mason, Knerr, Hasty, Adams, Schwab, Smothers, Belt

Agricultural Experiment Station
College of Agriculture Food and Natural Resources
University of Missouri-Columbia

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Missouri 2003 Soybean Performance Trials

This report is a contribution of the Department of Agronomy, University of Missouri Agricultural Experiment Station. The work was supported by fees from companies and organizations submitting varieties for evaluation. Soybean were first included in the University of Missouri's variety testing program in 1973. The number of entries in the program have increased from 51 in 1973 to 361 in 2003.

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

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

The Missouri Agricultural Experiment Station 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.

Experimental Procedures for Soybean Trials

Field Plot Design. Statistical designs used to analyze the field data included randomized lattice with 3 replications and randomized complete block with 4 replications, depending on the size of the test. Individual plots were four rows wide and 20 feet long. Weed control was achieved with Roundup herbicide for the Glyphosate Resistant trials and various other herbicides for the Standard trials. The center two rows of each plot were harvested to determine yield. Glyphosate Resistant, Standard, and Special Traits soybean varieties were evaluated at various locations across the state. Trial locations are shown on the adjacent map.

Glyphosate Resistant, Standard, and Special Traits Soybean Locations

North Missouri

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

Central Missouri

6. John Williams farm, Henrietta (Ray Co.)
7. Ryland Utlaut farm; Grand Pass (Saline Co.)
8. Bradford Research & Ext. 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. Glenn Nothdurft farm, Oran (Scott Co.)
17. Joe Sevic farm, Morley (Scott Co.)
18. Tom Jennings farm, Morehouse (Stoddard Co.)
19. Delta Research Center-Loam, Portageville (Pemiscot Co.)
20. Delta Research Center-Clay, Portageville (Pemiscot Co.)



Plot Management. All tests were planted with commercial equipment modified for small plot work. Fertilizer was applied at each site at the discretion of the farmer or the station manager. Herbicides, and hand weeding, if necessary, were used for weed control. Management details varied from location to location and are listed on individual tables.

Data Recorded. Maturity group classification was provided by the entry sponsor. Maturity data were recorded when approximately 75 percent of the pods had turned color. Lodging and height were determined immediately before harvest. A scale of 1 to 5 was used to score lodging. Interpretation of the scale is as follows:

- 1 = all plants erect;
- 2 = all plants leaning slightly or a few plants down;
- 3 = all plants leaning moderately or 20 to 50% down;
- 4 = all plants leaning considerably or 50 to 80% down;
- 5 = all plants down.

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

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

Availability of Data. Results of the Missouri Crop Performance Trials are now available in two forms: this printed Special Report and on our web site. Variety test information is accessible from the MAIN MENU under "CROP PERFORMANCE TESTING" of the AgEBB. Information on the Worldwide Web is available at <http://agebb.missouri.edu/cropperf/vartest>. If you need assistance call 573/882-4827 for help from the system staff.

The Authors

William J. Wiebold is an Associate Professor of Agronomy and State Extension Specialist, Laura E. Sweets is an Associate Professor of Agronomy and State Extension Specialist, Howard L. Mason is a Senior Research Specialist, Delbert R. Knerr, Richard W. Hasty, Eddie G. Adams, David M. Schwab, and Scotty L. Smothers are Research Specialists, and Travis C. Belt is a Graduate Research Assistant.

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The trial at Moorehouse was abandoned because of poor stands caused by heavy rains during emergence.

TABLE 1. Performance of Glyphosate Resistant Soybean Varieties evaluated near Craig (Holt County) on the Steve Cunningham Farm during 2002-2003 and on the Graves Experiment Center during 2001.

Planted: 16 May 2003
 Harvested: 10 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Haynie Silty Clay Loam
 Soil Test: pH=7.1, OM=3.5, P=52, K=806

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Frontier, FirstRate, Authority
 Post Emergence: Roundup UltraMax
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 800 Eggs/250cc of soil
 Growing Season Rainfall: May=3.6, June=6.8, July=1.1, Aug.=1.8, Sept.=2.0 TOTAL=15.3 in.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 3								
ASGROW AG3202	9-21	43	1	58.5**	--	--	--	--
Thompson T-3737TRN	9-28	37	1	58.1*	--	--	--	--
Willcross RR2393N	9-27	37	1	57.3*	--	--	--	--
Taylor EXP 3900RR	9-28	35	1	56.9*	--	--	--	--
Fontanelle 9371NRR	9-29	34	1	56.5*	--	--	--	--
DEKALB DKB38-52	9-28	41	1	56.2*	61.8*	54.3	59.0	57.4
Prairie Brand PB-3823RR	9-28	36	1	56.0*	--	--	--	--
Thompson T-3839RR	9-29	33	1	56.0*	--	--	--	--
Kruger K-355+ RR/SCN	9-23	36	1	55.8*	--	--	--	--
Dyna Gro 3362NRR	9-29	36	1	55.7*	55.6	54.3	55.7	55.2
Renze R3814RR	9-30	33	1	55.4*	--	--	--	--
Lewis 3715 RR	9-24	39	1	55.3*	57.3	--	56.3	--
Kruger K-379 RR/SCN	9-25	36	1	55.2*	60.9*	--	58.1	--
Dyna Gro 33A37	9-28	38	1	55.1*	--	--	--	--
Thompson T-3999RN	9-27	36	1	54.9*	60.8*	--	57.9	--
Prairie Brand PB-3432RR	9-21	29	1	54.7*	52.8	--	53.8	--
Arrow A3663RRN	9-26	36	1	54.5*	--	--	--	--
Renze R3684Rcn	9-27	38	1	54.4*	--	--	--	--
MFA Morsoy RT 3883N	9-30	37	1	54.3*	--	--	--	--
Crows C3717R	9-21	28	1	54.2*	--	--	--	--
Midwest Seed GR3732	9-23	31	1	54.2*	55.0	--	54.6	--
Willcross RR2373N	9-28	33	1	54.0*	56.9	--	55.5	--
Renze R3994Rcn	9-27	34	1	54.0*	--	--	--	--
MFA Morsoy RT 3712N	9-26	40	1	53.9*	56.0	--	55.0	--
LG Seeds C3655RR	9-29	34	1	53.9*	--	--	--	--
Schillinger 393.RCP	9-27	37	1	53.7*	--	--	--	--
Vigoro V39N4RR	9-26	35	1	53.6*	--	--	--	--
ASGROW AG3905	9-30	39	1	53.4*	--	--	--	--
Lewis 3566RR	9-24	37	1	53.4*	--	--	--	--
Taylor 374RR	9-28	38	1	53.3*	--	--	--	--
Thompson T-3999TRN	9-28	38	1	53.2*	--	--	--	--
Kruger K-404+ RR	9-29	34	1	53.2*	--	--	--	--
Mersch. Kennedy VIRR	9-29	35	1	53.0*	50.5	58.1*	51.8	53.9
Kruger K-380 RR/SCN	9-28	41	1	53.0*	59.6	57.6*	56.3	56.7
Fontanelle 9162NRR	9-29	36	1	53.0*	50.8	--	51.9	--
Prairie Brand PB-3732RR	9-23	28	1	52.9*	59.4	--	56.2	--
Fontanelle 9241RR	9-23	34	1	52.9*	--	--	--	--
LG Seeds C3944NRR	9-29	40	1	52.9*	--	--	--	--
Prairie Brand PB-3621RR	9-29	37	1	52.6	56.8	57.4*	54.7	55.6
NC+ 3A84RR	9-30	34	1	52.5	--	--	--	--

TABLE 1. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Kruger K-353 RR	9-23	36	1	52.5	--	--	--	--
Kruger K-404 RR	10-01	37	1	52.4	--	--	--	--
Thompson T-3622RN	9-24	32	1	52.3	--	--	--	--
Kruger K-393 RR/SCN	9-29	36	1	52.3	--	--	--	--
Willcross RR2323N	9-23	39	1	52.1	--	--	--	--
Dyna Gro 34P38	9-29	42	1	52.0	--	--	--	--
Kruger K-379+ RR/SCN	9-27	34	1	52.0	--	--	--	--
Schillinger 373.RCP	9-25	33	1	51.9	--	--	--	--
Thompson T-3940RR	9-27	32	1	51.9	--	--	--	--
ASGROW AG3801	9-22	27	1	51.9	--	--	--	--
Golden Harvest H-3643RR	9-23	36	1	51.9	--	--	--	--
Golden Harvest H-3631RR	9-29	35	1	51.8	53.4	--	52.6	--
Thompson T-3737RN	9-21	30	1	51.6	56.8	--	54.2	--
Golden Harvest H-3945RR	9-27	37	1	51.3	63.6*	--	57.5	--
DEKALB DKB37-51	9-26	29	1	51.1	--	--	--	--
MPride/MPV 3303nRR	9-20	39	1	51.1	--	--	--	--
Prairie Brand PB-3683NRR	9-23	34	1	51.1	--	--	--	--
Garst/AgriPro 3812 RR/N	9-28	41	1	51.0	48.8	--	49.9	--
ASGROW AG3005	9-21	38	1	51.0	--	--	--	--
Kruger K-383 RR	9-27	34	1	51.0	--	--	--	--
Thompson T-3838RR	9-28	29	1	51.0	53.1	--	52.1	--
MFA Morsoy RT 3622N	9-26	38	1	51.0	--	--	--	--
Prairie Brand PB-3921NRR	9-29	36	1	50.9	--	51.2	--	--
Kruger K-380+ RR/SCN	9-28	34	1	50.8	--	--	--	--
Stine S3932-4	9-30	33	1	50.6	--	--	--	--
Lewis 3875RR	9-30	38	1	50.6	--	--	--	--
Bio Gene BG3620NRR	9-30	37	1	50.5	--	--	--	--
Kruger K-395 RR/SCN	9-22	32	1	50.3	--	--	--	--
Kruger K-397 RR/SCN	9-28	39	1	50.2	--	--	--	--
Merschman Washington IXRR	9-29	38	1	50.2	--	--	--	--
MPride/MPV 3903nRR	9-23	29	1	50.1	--	--	--	--
Kruger K-393+ RR/SCN	9-23	32	1	49.8	--	--	--	--
Arrow A3994RRN	9-28	35	1	49.8	--	--	--	--
Kruger K-390 RR/SCN	9-27	44	1	49.7	--	--	--	--
Fontanelle 9192NRR	9-28	34	1	49.5	54.0	--	51.8	--
Stine S3402-4	9-23	34	1	49.5	--	--	--	--
Crows C3915R	9-28	38	1	49.4	62.1*	--	55.8	--
Thompson T-3922RN	9-23	31	1	49.4	--	--	--	--
Willcross RR2392N	9-28	39	1	49.4	--	55.8	--	--
Vigoro V35N4RR	9-25	35	1	49.2	--	--	--	--
Kruger 383+ RR	9-29	39	1	48.9	--	--	--	--
Renze R3692RR	9-29	34	1	48.9	52.7	--	50.8	--
MFA Morsoy RT 3991N	9-22	31	1	48.8	65.4**	--	57.1	--
Merschman Cleveland VIIR	9-30	33	1	48.8	--	--	--	--
Schillinger 353.RCP	9-23	35	1	48.5	--	--	--	--
Arrow A3883RRN	9-29	34	1	48.4	50.5	--	49.5	--
Midwest Seed GR3931	9-27	39	1	48.4	--	55.3	--	--
DEKALB DKB36-51	9-24	37	1	48.0	57.8	51.1	52.9	52.3
Willcross RR2354N	9-21	31	1	48.0	--	--	--	--
Stine S3832-4	9-22	25	1	47.7	--	--	--	--

TABLE 1. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Excel Brand 8342NNRR	9-23	37	1	47.5	--	--	--	--
Kruger K-355 RR/SCN	9-23	37	1	47.4	--	--	--	--
Willcross RR2312	9-23	34	1	47.3	--	59.0*	--	--
Garst/AgriPro 3824RR/N	9-27	39	1	46.9	--	--	--	--
MPride/MPV 3904nRR	9-29	39	1	46.6	--	--	--	--
MFA Morsoy RT 3221N	9-20	41	1	46.5	55.6	54.0	51.1	52.0
NK Brand S37-N4	9-26	42	1	46.4	51.3	--	48.9	--
MPride/MPV 3703nRR	9-23	39	1	46.2	--	--	--	--
MFA Morsoy RT 3881N	9-29	45	1	46.2	55.2	--	50.7	--
Mersch. Roosevelt IIIR	9-29	39	3	45.9	53.5	54.3	49.7	51.2
NK Brand S34-V4	9-23	34	1	45.9	--	--	--	--
Pioneer 93M90	9-27	38	1	45.7	--	--	--	--
Excel Brand 8359RR	9-23	37	1	45.6	--	--	--	--
Willcross RR2362	9-30	30	1	45.2	--	--	--	--
Pioneer 93M80	9-25	44	1	44.5	--	--	--	--
MPride/MPV 3902NRR	9-28	39	1	44.4	48.2	--	46.3	--
Garst/AgriPro 3212RR/N	9-19	35	1	44.4	54.1	--	49.3	--
NK Brand S39-K6	9-27	39	1	44.2	55.8	--	50.0	--
MPride/MPV 3803 nRR	10-01	35	1	44.1	--	--	--	--
Stine S4032-4	9-28	40	1	44.0	--	--	--	--
Thompson T-3988RR	9-30	40	1	43.7	--	--	--	--
Kruger K-399+ RR/SCN	9-24	32	1	43.3	--	--	--	--
NC+ 3A92RR	9-29	35	1	43.1	61.2*	--	52.2	--
GROUP 3 AVERAGE	9-25	36	1	50.9	53.7	54.9	52.3	53.2
L.S.D. AT .10				5.7	5.1	6.2		
C.V. %				7.8	6.6	8.2		
MATURITY GROUP 4								
Thompson T-4122RN	9-29	29	1	45.7**	--	--	--	--
MFA Morsoy RT 4033	9-30	30	1	45.1*	--	--	--	--
Kruger K-440 RR	9-29	29	1	43.4*	--	--	--	--
ASGROW AG4201	9-27	34	1	42.8*	--	--	--	--
MPride/MPV 4303nRR	9-29	29	1	42.4*	--	--	--	--
MPride/MPV 4004nRR	9-23	34	1	42.0*	--	--	--	--
MFA Morsoy RT 4201N	9-29	29	1	41.9*	57.0*	--	49.5	--
Excel Brand 8416NRR	9-29	28	1	41.7*	--	--	--	--
MPride/MPV 4003nRR	9-26	28	1	41.0	--	--	--	--
MFA Morsoy RT 4202N	9-28	28	1	40.5	--	--	--	--
Prairie Brand PB-4483NRR	9-27	28	1	40.3	--	--	--	--
Renze R4233SRcn	9-27	29	1	40.0	57.7**	--	48.9	--
Mersch. Denver RRSTS	9-29	37	1	39.7	--	49.2	--	--
Stine S4102-4	9-27	30	1	39.6	--	--	--	--
Prairie Brand PB-4083NRR	9-26	27	1	39.2	--	--	--	--
Mersch. Phoenix IIIR	9-29	28	1	39.0	52.4*	--	45.7	--
MPride/MPV 4102NRR	9-28	29	1	38.7	49.1	--	43.9	--
Mersch. Dallas RR	9-30	31	1	38.6	52.7*	--	45.7	--
MPride/MPV 4104nRR	9-26	27	1	37.9	--	--	--	--
Thompson T-4211RN	9-28	26	1	37.9	54.5	--	46.2	--
Mersch. Austin RR	9-29	27	1	37.7	55.1*	--	46.4	--
Bio Gene BG4200NRRST	9-29	29	1	37.4	--	--	--	--

TABLE 1. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
NC+ 4A29RR	9-29	33	1	36.4	--	46.3	--	--
GROUP 4 AVERAGE	9-27	30	1	40.4	51.0	50.0	45.7	47.1
L.S.D. AT .10				4.4	7.2	5.7		
C.V. %				7.1	9.5	8.2		
TRIAL AVERAGE		35	1	49.1	53.2	54.3	51.1	52.2

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 2. Performance of Glyphosate Resistant Soybean Varieties evaluated near Albany (Gentry County) on the Hundley-Whaley Center during 2001-2003.

Planted: 22 May 2003
 Harvested: 9 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Grundy Silt Loam
 Soil Test: pH=4.9, OM=2.8, P=85, K=467

Fertilizer: N=0; P2O5=0; K2O=60
 Herbicide: Pre: Frontier, FirstRate, Authority
 Post Emergence: Roundup UltraMax
 Irrigation: None
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=3.9, June=5.6, July=1.0, Aug.=1.5, Sept.=2.6 TOTAL=14.6 in.

Brand-Variety	2003							Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			2 Yr.	3 Yr.	
				2003	2002	2001			
MATURITY GROUP 3									
Mersch. Roosevelt IIIR	9-28	29	1	18.1**	49.4*	63.3	33.8	43.6	
MPride/MPV 3903nRR	9-27	30	1	17.8*	--	--	--	--	
Prairie Brand PB-3921NRR	9-26	29	1	17.6*	--	61.2	--	--	
NC+ 3A92RR	9-28	27	1	17.6*	47.7	--	32.7	--	
ASGROW AG3905	9-29	27	1	16.9*	--	--	--	--	
Fontanelle 9371NRR	9-21	29	1	16.4*	--	--	--	--	
DEKALB DKB36-51	9-27	29	1	16.3*	51.3*	59.8	33.8	42.5	
Thompson T-3999RN	9-28	27	1	16.0*	47.4	--	31.7	--	
LG Seeds C3944NRR	9-26	26	1	16.0*	--	--	--	--	
Thompson T-3999TRN	9-27	28	1	15.7*	--	--	--	--	
NK Brand S39-K6	9-29	30	1	15.5*	49.6*	--	32.6	--	
Kruger K-380+ RR/SCN	9-28	29	1	15.5*	--	--	--	--	
Willcross RR2392N	9-28	28	1	15.5*	--	62.6	--	--	
Willcross RR2373N	9-20	27	1	15.3*	45.1	--	30.2	--	
Garst/AgriPro 3824RR/N	9-26	30	1	15.3*	--	--	--	--	
Golden Harvest H-3945RR	9-28	27	1	15.2*	52.6*	--	33.9	--	
Dyna Gro 33A37	9-21	29	1	14.7*	--	--	--	--	
Kruger K-379+ RR/SCN	9-21	28	1	14.7*	--	--	--	--	
Kruger K-355+ RR/SCN	9-20	27	1	14.5*	--	--	--	--	
DEKALB DKB38-52	9-29	27	1	14.2*	52.5*	62.8	33.4	43.2	
Kruger K-393+ RR/SCN	9-20	30	1	14.1*	--	--	--	--	
MFA Morsoy RT 3991N	9-28	29	1	14.0*	50.2*	--	32.1	--	
MPride/MPV 3902NRR	9-20	30	1	13.9*	45.7	--	29.8	--	
Kruger K-379 RR/SCN	9-20	29	1	13.9*	43.3	--	28.6	--	
Thompson T-3622RN	9-19	26	1	13.8*	--	--	--	--	
Garst/AgriPro 3212RR/N	9-18	29	1	13.7*	46.7	--	30.2	--	
MPride/MPV 3303nRR	9-19	25	1	13.6*	--	--	--	--	
Kruger K-380 RR/SCN	9-29	26	1	13.3	49.7*	59.4	31.5	40.8	
Willcross RR2354N	9-19	27	1	13.1	--	--	--	--	
Kruger K-355 RR/SCN	9-19	26	1	12.8	--	--	--	--	
ASGROW AG3801	9-20	23	1	12.6	--	--	--	--	
Midwest Seed GR3732	9-21	26	1	12.4	44.9	--	28.7	--	
Stine S3402-4	9-16	24	1	12.4	--	--	--	--	
Garst/AgriPro 3812 RR/N	9-20	35	1	12.3	48.3	--	30.3	--	
ASGROW AG3202	9-18	30	1	12.3	--	--	--	--	
MFA Morsoy RT 3622N	9-25	30	1	12.3	--	--	--	--	
NC+ 3A84RR	9-28	23	1	12.2	--	--	--	--	
NK Brand S37-N4	9-28	31	1	12.0	50.3*	--	31.2	--	
Taylor 374RR	9-20	27	1	11.8	--	--	--	--	
Lewis 3566RR	9-21	28	1	11.8	--	--	--	--	

TABLE 2. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MPride/MPV 3803 nRR	9-27	22	1	11.8	--	--	--	--
Willcross RR2393N	9-25	27	1	11.7	--	--	--	--
Excel Brand 8359RR	9-20	31	1	11.7	--	--	--	--
Thompson T-3737RN	9-20	25	1	11.6	45.8	--	28.7	--
DEKALB DKB37-51	9-19	26	1	11.5	--	--	--	--
MFA Morsoy RT 3883N	9-24	29	1	11.3	--	--	--	--
MPride/MPV 3703nRR	9-20	29	1	11.3	--	--	--	--
Bio Gene BG3620NRR	9-26	24	1	11.2	--	--	--	--
Fontanelle 9192NRR	9-30	25	1	11.1	43.5	--	27.3	--
Pioneer 93M80	9-21	31	1	11.0	--	--	--	--
Vigoro V39N4RR	9-20	27	1	10.9	--	--	--	--
Arrow A3663RRN	9-20	27	1	10.8	--	--	--	--
Crows C3915R	9-27	27	1	10.8	49.5*	--	30.2	--
Prairie Brand PB-3732RR	9-19	28	1	10.8	56.3*	--	33.6	--
Kruger K-395 RR/SCN	9-21	32	1	10.7	--	--	--	--
Stine S3832-4	9-20	22	1	10.7	--	--	--	--
Lewis 3715 RR	9-21	27	1	10.7	48.1	--	29.4	--
Fontanelle 9162NRR	9-27	24	1	10.7	55.5*	--	33.1	--
Thompson T-3839RR	9-26	22	1	10.7	--	--	--	--
Kruger K-390 RR/SCN	9-30	30	1	10.6	--	--	--	--
Schillinger 353.RCP	9-21	28	1	10.6	--	--	--	--
Arrow A3883RRN	9-26	23	1	10.4	54.2*	--	32.3	--
Crows C3717R	9-19	26	1	10.4	--	--	--	--
Lewis 3875RR	9-26	29	1	10.4	--	--	--	--
Golden Harvest H-3643RR	9-27	27	1	10.4	--	--	--	--
Thompson T-3737TRN	9-19	27	1	10.3	--	--	--	--
Renze R3994Rcn	9-24	25	1	10.2	--	--	--	--
Thompson T-3922RN	9-24	29	1	10.2	--	--	--	--
Willcross RR2312	9-17	24	1	10.1	--	61.0	--	--
Merschman Cleveland VIIRR	9-26	23	1	10.1	--	--	--	--
NK Brand S34-V4	9-20	30	1	10.1	--	--	--	--
Merschman Washington IXRR	9-20	24	1	10.1	--	--	--	--
MPride/MPV 3904nRR	9-27	30	1	10.0	--	--	--	--
Taylor EXP 3900RR	9-21	25	1	9.9	--	--	--	--
Thompson T-3940RR	9-19	27	1	9.7	--	--	--	--
MFA Morsoy RT 3712N	9-21	25	1	9.6	48.3	--	29.0	--
Kruger K-393 RR/SCN	9-20	27	1	9.6	--	--	--	--
Renze R3814RR	9-21	24	1	9.4	--	--	--	--
Pioneer 93M90	9-21	28	1	9.3	--	--	--	--
Prairie Brand PB-3621RR	9-26	24	1	9.3	45.4	66.6*	27.4	40.4
MFA Morsoy RT 3221N	9-18	28	1	9.3	43.3	57.1	26.3	36.6
Thompson T-3988RR	9-20	25	1	9.1	--	--	--	--
Golden Harvest H-3631RR	9-27	23	1	9.1	52.3*	--	30.7	--
Stine S3932-4	9-27	24	1	9.1	--	--	--	--
Excel Brand 8342NNRR	9-19	25	1	9.0	--	--	--	--
MFA Morsoy RT 3881N	9-20	30	1	8.9	46.1	--	27.5	--
Renze R3684Rcn	9-20	25	1	8.9	--	--	--	--
Stine S4032-4	9-21	26	1	8.9	--	--	--	--
Dyna Gro 34P38	9-17	26	1	8.8	--	--	--	--
Kruger K-383 RR	9-17	24	1	8.7	--	--	--	--

TABLE 2. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)				2 Yr.	3 Yr.
				2003	2002	2001		
Willcross RR2323N	9-20	30	1	8.7	--	--	--	--
Schillinger 373.RCP	9-18	26	1	8.6	--	--	--	--
Mersch. Kennedy VIRR	9-26	23	1	8.5	49.4*	69.2**	29.0	42.4
Vigoro V35N4RR	9-19	25	1	8.3	--	--	--	--
Prairie Brand PB-3823RR	9-19	27	1	8.3	--	--	--	--
Prairie Brand PB-3432RR	9-19	25	1	8.2	48.0	--	28.1	--
Schillinger 393.RCP	9-20	25	1	8.2	--	--	--	--
ASGROW AG3005	9-19	27	1	8.1	--	--	--	--
Arrow A3994RRN	9-26	24	1	8.0	--	--	--	--
Kruger K-353 RR	9-19	24	1	8.0	--	--	--	--
Thompson T-3838RR	9-21	25	1	8.0	56.5**	--	32.3	--
Renze R3692RR	9-26	23	1	7.7	52.1*	--	29.9	--
Kruger K-404+ RR	9-27	24	1	7.5	--	--	--	--
Dyna Gro 3362NRR	9-21	25	1	7.4	46.7	64.7	27.1	39.6
Kruger K-399+ RR/SCN	9-21	23	1	7.3	--	--	--	--
LG Seeds C3655RR	9-21	23	1	7.2	--	--	--	--
Prairie Brand PB-3683NRR	9-20	21	1	7.0	--	--	--	--
Kruger 383+ RR	9-18	24	1	6.9	--	--	--	--
Willcross RR2362	9-22	23	1	6.9	--	--	--	--
Midwest Seed GR3931	9-21	25	1	6.7	--	59.3	--	--
Kruger K-397 RR/SCN	9-20	25	1	6.5	--	--	--	--
Fontanelle 9241RR	9-19	23	1	6.4	--	--	--	--
Kruger K-404 RR	9-21	21	1	5.5	--	--	--	--
GROUP 3 AVERAGE	9-21	26	1	11.2	46.8	60.7	29.0	39.6
L.S.D. AT .10				4.6	7.7	3.1		
C.V. %				28.5	11.6	3.6		
MATURITY GROUP 4								
Mersch. Austin RR	9-29	26	1	17.6**	48.6	--	33.1	--
MPride/MPV 4104nRR	9-27	26	1	17.1	--	--	--	--
MPride/MPV 4004nRR	9-26	32	1	17.0	--	--	--	--
Bio Gene BG4200NRRST	9-28	23	1	16.8	--	--	--	--
Prairie Brand PB-4083NRR	9-25	30	1	16.3	--	--	--	--
Stine S4102-4	9-28	26	1	16.1	--	--	--	--
Prairie Brand PB-4483NRR	9-26	22	1	15.9	--	--	--	--
Thompson T-4122RN	9-26	24	1	15.7	--	--	--	--
NC+ 4A29RR	9-30	29	1	15.3	--	58.3	--	--
Mersch. Denver RRSTS	10-01	31	1	14.3	--	58.1	--	--
Excel Brand 8416NRR	9-25	20	1	14.2	--	--	--	--
MPride/MPV 4003nRR	9-26	23	1	13.8	--	--	--	--
Mersch. Phoenix IIIRR	9-28	24	1	13.8	47.2	--	30.5	--
MPride/MPV 4303nRR	9-26	19	1	13.5	--	--	--	--
MFA Morsoy RT 4201N	9-27	20	1	13.2	49.1	--	31.2	--
Thompson T-4211RN	9-27	25	1	13.0	43.7	--	28.4	--
ASGROW AG4201	9-27	28	1	12.6	--	--	--	--
MFA Morsoy RT 4202N	9-27	27	1	12.3	--	--	--	--
Kruger K-440 RR	9-27	26	1	12.1	--	--	--	--
Renze R4233SRcn	9-29	27	1	10.9	46.6	--	28.8	--
Mersch. Dallas RR	9-29	23	1	9.9	49.8	--	29.9	--
MPride/MPV 4102NRR	9-29	24	1	9.7	44.9	--	27.3	--

TABLE 2. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MFA Morsoy RT 4033	9-27	25	1	9.6	--	--	--	--
GROUP 4 AVERAGE	9-26	25	1	13.9	48.3	61.0	31.1	41.1
L.S.D. AT .10				NS	NS	2.8		
C.V. %				25.1	7.8	3.1		
TRIAL AVERAGE		26	1	11.6	47.1	60.8	29.4	39.8

-- Data not available.

** Highest yielding variety in the maturity group.

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

NS Not Significant.

TABLE 3. Performance of Glyphosate Resistant Soybean Varieties evaluated near Mooresville (Livingston County) on the Beetsma Farm during 2002-2003 and near Osborn (DeKalb County) on the Gene Millard Farm during 2001.

Planted: 15 May 2003
 Harvested: 9 October 2003
 Seeding Rate: 174,200
 Row Spacing: 30 Inches
 Soil Type: Grundy Silt Loam
 Soil Test: pH=5.9, OM=4.0, P=28, K=274

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Frontier, First Rate, Authority, Touchdown
 Post Emergence: Aim, Basagran, Roundup WeatherMax
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 2500 Eggs/250cc soil
 Growing Season Rainfall: May=3.0, June=5.0, July=2.6, Aug=5.5, Sept=6.0 TOTAL=22.1 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 3							
Garst/AgriPro 3824RR/N	9-22	35	1	34.6**	--	--	--	--
Thompson T-3737RN	9-21	32	1	33.7*	61.5	--	47.6	--
Thompson T-3999TRN	9-23	31	1	32.8*	--	--	--	--
Willcross RR2392N	9-24	35	1	32.6*	--	55.9	--	--
ASGROW AG3905	9-25	36	1	32.5*	--	--	--	--
Golden Harvest H-3945RR	9-23	37	1	32.3*	64.5*	--	48.4	--
Crows C3915R	9-25	36	1	32.2*	65.7*	--	49.0	--
Prairie Brand PB-3921NRR	9-24	35	1	32.0*	--	57.5	--	--
NK Brand S39-K6	9-22	40	1	32.0*	63.2*	--	47.6	--
Mersch. Roosevelt IIIR	9-26	36	1	31.9*	59.6	56.8	45.8	49.4
Lewis 3566RR	9-19	30	1	31.6*	--	--	--	--
Pioneer 93M90	9-21	37	1	31.5*	--	--	--	--
Kruger K-380+ RR/SCN	9-24	35	1	30.6*	--	--	--	--
NK Brand S37-N4	9-22	36	1	30.6*	63.2*	--	46.9	--
LG Seeds C3944NRR	9-22	34	1	30.6*	--	--	--	--
MPride/MPV 3903nRR	9-22	29	1	30.5*	--	--	--	--
DEKALB DKB38-52	9-22	31	1	30.3	65.8*	59.1	48.1	51.7
NC+ 3A92RR	9-23	34	1	30.3	68.0*	--	49.2	--
Kruger K-390 RR/SCN	9-26	37	1	29.9	--	--	--	--
Kruger K-393+ RR/SCN	9-20	32	1	29.9	--	--	--	--
Prairie Brand PB-3732RR	9-20	34	1	29.8	60.3	--	45.1	--
Midwest Seed GR3931	9-23	35	1	29.7	--	54.2	--	--
Kruger K-355 RR/SCN	9-17	34	1	29.7	--	--	--	--
MFA Morsoy RT 3991N	9-25	33	1	29.7	68.1**	--	48.9	--
Arrow A3663RRN	9-20	33	1	29.5	--	--	--	--
Willcross RR2323N	9-17	35	1	29.5	--	--	--	--
Kruger K-379+ RR/SCN	9-18	30	1	29.3	--	--	--	--
Thompson T-3999RN	9-24	30	1	29.3	66.4*	--	47.9	--
Kruger K-380 RR/SCN	9-23	32	1	29.3	67.8*	60.4	48.6	52.5
Stine S3402-4	9-17	33	1	29.2	--	--	--	--
Kruger K-395 RR/SCN	9-21	32	1	29.0	--	--	--	--
Merschman Washington IXRR	9-21	30	1	29.0	--	--	--	--
Taylor EXP 3900RR	9-21	30	1	29.0	--	--	--	--
MFA Morsoy RT 3712N	9-19	34	1	28.9	61.2	--	45.1	--
Prairie Brand PB-3432RR	9-18	30	1	28.7	55.7	--	42.2	--
Excel Brand 8342NNRR	9-19	33	1	28.6	--	--	--	--
Willcross RR2354N	9-17	29	1	28.5	--	--	--	--
Thompson T-3922RN	9-21	31	1	28.3	--	--	--	--
Dyna Gro 33A37	9-18	31	1	28.3	--	--	--	--
Willcross RR2373N	9-21	29	1	28.2	62.2	--	45.2	--

TABLE 3. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Maturity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	ASGROW AG3005	9-17	32	1	28.1	--	--	--
Kruger K-397 RR/SCN	9-25	34	1	28.0	--	--	--	--
MFA Morsoy RT 3883N	9-22	35	1	28.0	--	--	--	--
MPride/MPV 3904nRR	9-25	35	1	28.0	--	--	--	--
ASGROW AG3801	9-20	31	1	27.8	--	--	--	--
Kruger K-379 RR/SCN	9-19	30	1	27.7	63.2*	--	45.5	--
Renze R3994Rcn	9-22	31	1	27.7	--	--	--	--
Crows C3717R	9-20	30	1	27.7	--	--	--	--
DEKALB DKB37-51	9-18	30	1	27.7	--	--	--	--
Stine S3932-4	9-23	29	1	27.7	--	--	--	--
Garst/AgriPro 3812 RR/N	9-20	37	1	27.6	56.0	--	41.8	--
Kruger K-393 RR/SCN	9-21	32	1	27.6	--	--	--	--
Lewis 3715 RR	9-19	29	1	27.4	61.6	--	44.5	--
Fontanelle 9192NRR	9-25	31	1	27.4	55.8	--	41.6	--
Kruger K-404 RR	9-23	32	1	27.4	--	--	--	--
Vigoro V35N4RR	9-18	30	1	27.4	--	--	--	--
Thompson T-3737TRN	9-19	36	1	27.3	--	--	--	--
Thompson T-3838RR	9-25	26	1	27.2	58.4	--	42.8	--
Fontanelle 9371NRR	9-19	34	1	27.2	--	--	--	--
MPride/MPV 3902NRR	9-22	35	1	27.2	60.1	--	43.7	--
Thompson T-3839RR	9-26	26	1	27.2	--	--	--	--
Stine S3832-4	9-22	32	1	27.1	--	--	--	--
MFA Morsoy RT 3221N	9-17	31	1	27.1	65.4*	56.8	46.3	49.8
Schillinger 353.RCP	9-17	33	1	26.9	--	--	--	--
Kruger K-404+ RR	9-25	27	1	26.9	--	--	--	--
Schillinger 393.RCP	9-24	34	1	26.9	--	--	--	--
MPride/MPV 3703nRR	9-19	34	1	26.8	--	--	--	--
Schillinger 373.RCP	9-21	27	1	26.8	--	--	--	--
ASGROW AG3202	9-17	37	1	26.4	--	--	--	--
Willcross RR2362	9-25	26	1	26.4	--	--	--	--
LG Seeds C3655RR	9-25	27	1	26.4	--	--	--	--
Fontanelle 9162NRR	9-23	32	1	26.2	62.1	--	44.2	--
Arrow A3994RRN	9-23	35	1	26.1	--	--	--	--
MFA Morsoy RT 3881N	9-20	35	1	26.1	58.8	--	42.5	--
Taylor 374RR	9-19	34	1	26.1	--	--	--	--
Prairie Brand PB-3683NRR	9-17	29	1	26.1	--	--	--	--
MPride/MPV 3803 nRR	9-25	35	1	26.1	--	--	--	--
Merschman Cleveland VIIRR	9-23	28	1	26.0	--	--	--	--
Kruger K-355+ RR/SCN	9-17	29	1	26.0	--	--	--	--
Thompson T-3988RR	9-21	33	1	26.0	--	--	--	--
Kruger K-383 RR	9-21	31	1	25.9	--	--	--	--
Dyna Gro 3362NRR	9-23	31	1	25.9	56.8	63.0*	41.4	48.6
Renze R3814RR	9-25	31	1	25.8	--	--	--	--
Golden Harvest H-3631RR	9-20	32	1	25.8	56.3	--	41.1	--
Fontanelle 9241RR	9-19	30	1	25.7	--	--	--	--
Kruger 383+ RR	9-22	32	1	25.7	--	--	--	--
Pioneer 93M80	9-22	35	1	25.7	--	--	--	--
Midwest Seed GR3732	9-19	35	1	25.7	64.2*	--	45.0	--
Prairie Brand PB-3621RR	9-21	32	1	25.7	63.4*	58.8	44.6	49.3
Renze R3684Rcn	9-20	29	1	25.4	--	--	--	--

TABLE 3. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	<hr/>							
Kruger K-353 RR	9-18	31	1	25.4	--	--	--	--
Thompson T-3622RN	9-17	34	1	25.3	--	--	--	--
Vigoro V39N4RR	9-20	35	1	25.3	--	--	--	--
Lewis 3875RR	9-20	35	1	25.2	--	--	--	--
MFA Morsoy RT 3622N	9-20	35	1	24.9	--	--	--	--
Stine S4032-4	9-22	30	1	24.9	--	--	--	--
DEKALB DKB36-51	9-20	35	1	24.9	60.6	50.7	42.8	45.4
Mersch. Kennedy VIRR	9-25	30	1	24.8	58.1	58.3	41.5	47.1
Willcross RR2393N	9-20	28	1	24.7	--	--	--	--
MPride/MPV 3303nRR	9-17	29	1	24.6	--	--	--	--
Excel Brand 8359RR	9-18	36	1	24.6	--	--	--	--
Arrow A3883RRN	9-22	27	1	24.4	60.9	--	42.7	--
Bio Gene BG3620NRR	9-22	28	1	24.3	--	--	--	--
Kruger K-399+ RR/SCN	9-22	33	1	24.1	--	--	--	--
NK Brand S34-V4	9-18	37	1	24.1	--	--	--	--
Renze R3692RR	9-25	27	1	23.8	60.0	--	41.9	--
NC+ 3A84RR	9-22	28	1	23.7	--	--	--	--
Garst/AgriPro 3212RR/N	9-17	34	1	23.5	58.4	--	41.0	--
Thompson T-3940RR	9-22	32	1	23.1	--	--	--	--
Prairie Brand PB-3823RR	9-20	29	1	22.7	--	--	--	--
Golden Harvest H-3643RR	9-21	30	1	22.2	--	--	--	--
Dyna Gro 34P38	9-18	26	1	20.9	--	--	--	--
Willcross RR2312	9-16	33	1	19.3	--	56.7	--	--
GROUP 3 AVERAGE	9-20	32	1	27.5	60.2	53.6	43.9	47.1
L.S.D. AT .10				4.2	5.4	6.0		
C.V. %				10.7	6.3	7.9		
MATURITY GROUP 4								
Excel Brand 8416NRR	9-22	28	1	33.7**	--	--	--	--
MFA Morsoy RT 4201N	9-23	29	1	32.8	62.3**	--	47.6	--
Prairie Brand PB-4083NRR	9-22	32	1	31.7	--	--	--	--
NC+ 4A29RR	9-26	34	1	31.7	--	46.1	--	--
Stine S4102-4	9-23	30	1	30.9	--	--	--	--
MPride/MPV 4003nRR	9-22	26	1	30.1	--	--	--	--
MFA Morsoy RT 4202N	9-23	30	1	30.1	--	--	--	--
MPride/MPV 4104nRR	9-23	35	1	30.0	--	--	--	--
Mersch. Phoenix IIIRR	9-22	27	1	29.6	59.1*	--	44.4	--
Mersch. Dallas RR	9-27	35	1	29.5	49.4	--	39.5	--
Prairie Brand PB-4483NRR	9-21	28	1	29.4	--	--	--	--
MPride/MPV 4102NRR	9-24	28	1	29.0	54.5	--	41.8	--
Kruger K-440 RR	9-23	33	1	28.9	--	--	--	--
MPride/MPV 4303nRR	9-21	27	1	28.8	--	--	--	--
Thompson T-4122RN	9-21	29	1	28.4	--	--	--	--
MPride/MPV 4004nRR	9-21	38	1	28.3	--	--	--	--
Mersch. Denver RRSTS	9-26	34	1	28.1	--	54.7	--	--
Renze R4233SRcn	9-23	30	1	27.6	58.2*	--	42.9	--
Thompson T-4211RN	9-24	30	1	27.3	64.0*	--	45.7	--
Mersch. Austin RR	9-22	29	1	27.2	58.8*	--	43.0	--
Bio Gene BG4200NRRST	9-24	26	1	27.0	--	--	--	--
MFA Morsoy RT 4033	9-23	28	1	26.8	--	--	--	--

TABLE 3. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)				2 Yr.	3 Yr.
				2003	2002	2001		
ASGROW AG4201	9-22	31	1	25.4	--	--	--	--
GROUP 4 AVERAGE	9-22	30	1	29.2	57.0	50.9	43.1	45.7
L.S.D. AT .10				NS	6.9	NS		
C.V. %				11.2	8.6	9.5		
TRIAL AVERAGE		32	1	27.8	59.6	53.2	43.7	46.9

-- Data not available.

** Highest yielding variety in the maturity group.

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

NS Not Significant.

TABLE 4. Performance of Glyphosate Resistant Soybean Varieties evaluated near Macon (Macon County) on the Bill Cason Farm during 2003 and near Novelty (Knox County) on the Greenley Memorial Center during 2001-2002.

Planted: 28 May 2003
 Harvested: 8 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 inches
 Soil Type: Putnam Silt Loam
 Soil Test: pH=6.0, OM=2.6, P=48, K=222

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Dual II, FirstRate, Authority, Touchdown
 Post Emergence: Roundup WeatherMax
 Irrigation: None
 Previous Crop: Sorghum
 Tillage: No-Till

Cyst Nematode Population at Planting: 2750 Eggs/250cc of soil
 Growing Season Rainfall: May=5.0, June=4.2, July=3.7, Aug.=4.4, Sept.=6.2 TOTAL=23.5 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 3							
Schillinger 373.RCP	9-24	34	1	46.0**	--	--	--	--
Crows C3915R	9-24	32	1	45.7*	51.3*	--	48.5	--
Kruger K-379 RR/SCN	9-23	36	2	45.2*	50.0	--	47.6	--
NK Brand S37-N4	9-27	37	1	44.9*	52.4*	--	48.7	--
Midwest Seed GR3732	9-23	34	2	44.8*	47.3	--	46.1	--
Merschman Washington IXRR	9-27	35	1	44.5*	--	--	--	--
Renze R3814RR	9-28	30	1	44.1*	--	--	--	--
MFA Morsoy RT 3991N	9-24	35	1	43.8*	52.5*	--	48.2	--
Kruger K-380 RR/SCN	9-24	34	1	43.6*	50.4	45.1	47.0	46.4
Thompson T-3922RN	9-28	36	1	43.5*	--	--	--	--
Prairie Brand PB-3921NRR	9-23	35	1	43.5*	--	49.9**	--	--
Thompson T-3999RN	9-24	34	1	43.4*	56.1**	--	49.8	--
Kruger K-404+ RR	9-27	31	1	43.4*	--	--	--	--
Renze R3684Rcn	9-23	35	1	43.2*	--	--	--	--
MPride/MPV 3903nRR	9-23	32	1	42.8*	--	--	--	--
Thompson T-3737TRN	9-22	35	1	42.5*	--	--	--	--
Thompson T-3999TRN	9-24	32	1	42.3*	--	--	--	--
Willcross RR2362	9-28	30	1	42.3*	--	--	--	--
Mersch. Kennedy VIRR	9-28	30	1	42.2*	48.5	44.3	45.4	45.0
Vigoro V35N4RR	9-23	31	1	41.9*	--	--	--	--
Stine S3932-4	9-30	30	1	41.8*	--	--	--	--
Crows C3717R	9-24	31	1	41.7*	--	--	--	--
LG Seeds C3944NRR	9-24	35	1	41.7*	--	--	--	--
DEKALB DKB38-52	9-23	32	1	41.6*	54.3*	45.1	48.0	47.0
Arrow A3994RRN	9-28	35	1	41.4*	--	--	--	--
LG Seeds C3655RR	9-25	31	1	41.4*	--	--	--	--
Taylor 374RR	9-21	33	1	41.4*	--	--	--	--
MFA Morsoy RT 3712N	9-21	35	1	41.3*	51.5*	--	46.4	--
Stine S3832-4	9-26	35	1	41.3*	--	--	--	--
Kruger K-380+ RR/SCN	9-25	35	1	41.2*	--	--	--	--
Willcross RR2392N	9-22	35	1	41.2*	--	40.2	--	--
Kruger K-355 RR/SCN	9-23	32	1	41.1*	--	--	--	--
Thompson T-3839RR	9-28	30	1	41.1*	--	--	--	--
Thompson T-3737RN	9-23	33	1	41.1*	46.8	--	44.0	--
Lewis 3715 RR	9-24	32	1	41.0*	54.3*	--	47.7	--
Kruger K-390 RR/SCN	9-28	41	1	40.8*	--	--	--	--
Prairie Brand PB-3732RR	9-24	36	2	40.8*	49.1	--	45.0	--
Kruger K-379+ RR/SCN	9-23	36	1	40.6*	--	--	--	--
Bio Gene BG3620NRR	9-25	30	1	40.5*	--	--	--	--
NC+ 3A92RR	9-23	31	1	40.5*	52.1*	--	46.3	--

TABLE 4. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
DEKALB DKB36-51	9-24	36	1	40.4*	46.2	42.0	43.3	42.9
MFA Morsoy RT 3622N	9-23	35	1	40.4*	--	--	--	--
Stine S4032-4	9-28	34	1	40.3	--	--	--	--
Garst/AgriPro 3824RR/N	9-23	35	1	40.3	--	--	--	--
Arrow A3883RRN	9-26	31	1	40.1	47.4	--	43.8	--
Fontanelle 9371NRR	9-24	34	1	40.0	--	--	--	--
Vigoro V39N4RR	9-25	34	1	40.0	--	--	--	--
Midwest Seed GR3931	9-26	37	1	39.8	--	40.5	--	--
Kruger K-393 RR/SCN	9-26	31	1	39.7	--	--	--	--
DEKALB DKB37-51	9-23	35	1	39.4	--	--	--	--
MFA Morsoy RT 3883N	9-27	34	1	39.2	--	--	--	--
Merschman Cleveland VIIRR	9-26	30	1	39.2	--	--	--	--
Fontanelle 9162NRR	9-26	28	1	39.1	44.6	--	41.9	--
Golden Harvest H-3631RR	9-29	30	1	38.9	45.7	--	42.3	--
Kruger K-355+ RR/SCN	9-23	30	1	38.7	--	--	--	--
Willcross RR2393N	9-25	32	1	38.7	--	--	--	--
ASGROW AG3202	9-18	36	2	38.6	--	--	--	--
Pioneer 93M90	9-24	38	1	38.5	--	--	--	--
Kruger K-399+ RR/SCN	9-30	35	1	38.4	--	--	--	--
Stine S3402-4	9-21	32	1	38.4	--	--	--	--
Taylor EXP 3900RR	9-27	34	1	38.4	--	--	--	--
Willcross RR2373N	9-23	33	1	38.3	46.4	--	42.4	--
Garst/AgriPro 3812 RR/N	9-26	38	1	38.0	47.5	--	42.8	--
Willcross RR2323N	9-21	33	1	37.9	--	--	--	--
MPride/MPV 3803 nRR	9-28	30	1	37.8	--	--	--	--
ASGROW AG3005	9-21	33	1	37.7	--	--	--	--
Kruger K-404 RR	9-24	30	1	37.7	--	--	--	--
Schillinger 353.RCP	9-22	33	1	37.7	--	--	--	--
Dyna Gro 33A37	9-23	33	1	37.6	--	--	--	--
Thompson T-3622RN	9-23	32	1	37.5	--	--	--	--
Garst/AgriPro 3212RR/N	9-19	36	1	37.4	46.3	--	41.9	--
Arrow A3663RRN	9-23	31	1	37.4	--	--	--	--
Kruger K-393+ RR/SCN	9-25	35	2	37.1	--	--	--	--
NK Brand S34-V4	9-22	32	1	37.0	--	--	--	--
MPride/MPV 3303nRR	9-22	30	1	36.9	--	--	--	--
Lewis 3875RR	9-25	35	1	36.9	--	--	--	--
Thompson T-3988RR	9-24	32	1	36.8	--	--	--	--
Renze R3994Rcn	9-26	36	1	36.7	--	--	--	--
Dyna Gro 3362NRR	9-25	31	1	36.7	48.5	41.1	42.6	42.1
MFA Morsoy RT 3881N	9-27	39	1	36.7	48.0	--	42.4	--
Excel Brand 8359RR	9-20	35	1	36.6	--	--	--	--
Prairie Brand PB-3683NRR	9-20	30	1	36.4	--	--	--	--
NK Brand S39-K6	9-25	33	1	36.2	47.6	--	41.9	--
Kruger 383+ RR	9-26	31	1	36.1	--	--	--	--
Renze R3692RR	9-24	29	1	36.1	47.3	--	41.7	--
Golden Harvest H-3945RR	9-24	31	1	36.0	52.8*	--	44.4	--
MFA Morsoy RT 3221N	9-18	35	1	35.9	45.7	39.6	40.8	40.4
ASGROW AG3801	9-24	32	1	35.7	--	--	--	--
Prairie Brand PB-3823RR	9-25	34	1	35.6	--	--	--	--
ASGROW AG3905	9-26	36	1	35.6	--	--	--	--

TABLE 4. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Maturity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Prairie Brand PB-3621RR	9-23	32	1	35.3	48.4	43.2	41.9	42.3
MPride/MPV 3703nRR	9-23	36	1	35.1	--	--	--	--
Thompson T-3838RR	9-24	30	1	35.0	45.6	--	40.3	--
NC+ 3A84RR	9-25	30	1	34.8	--	--	--	--
Prairie Brand PB-3432RR	9-21	30	1	34.8	47.6	--	41.2	--
Kruger K-397 RR/SCN	9-26	36	1	34.8	--	--	--	--
Kruger K-353 RR	9-22	30	1	34.7	--	--	--	--
Pioneer 93M80	9-25	38	1	34.6	--	--	--	--
Fontanelle 9192NRR	10-02	32	1	34.4	46.0	--	40.2	--
Willcross RR2354N	9-22	31	1	34.2	--	--	--	--
Kruger K-395 RR/SCN	9-24	36	1	33.9	--	--	--	--
MPride/MPV 3902NRR	9-26	36	1	33.7	48.7	--	41.2	--
Lewis 3566RR	9-20	30	1	33.6	--	--	--	--
Excel Brand 8342NNRR	9-20	37	1	32.8	--	--	--	--
MPride/MPV 3904nRR	9-28	38	1	32.6	--	--	--	--
Schillinger 393.RCP	9-24	35	2	32.3	--	--	--	--
Thompson T-3940RR	9-23	33	1	32.1	--	--	--	--
Golden Harvest H-3643RR	9-24	34	1	32.0	--	--	--	--
Mersch. Roosevelt III RR	9-28	35	1	31.7	50.9	48.4*	41.3	43.7
Kruger K-383 RR	9-25	32	1	31.7	--	--	--	--
Fontanelle 9241RR	9-17	30	1	30.0	--	--	--	--
Dyna Gro 34P38	9-21	31	1	29.6	--	--	--	--
Willcross RR2312	9-17	33	1	29.4	--	39.6	--	--
GROUP 3 AVERAGE	9-23	33	1	38.6	47.4	40.6	43.0	42.2
L.S.D. AT .10				5.6	4.9	4.6		
C.V. %				10.2	7.3	7.9		
MATURITY GROUP 4								
Mersch. Denver RRSTS	10-05	42	2	51.0**	--	43.6*	--	--
MFA Morsoy RT 4202N	10-03	34	1	50.6*	--	--	--	--
MPride/MPV 4003nRR	9-27	32	1	49.5*	--	--	--	--
Mersch. Phoenix III RR	10-03	33	1	48.7*	52.4*	--	50.6	--
Stine S4102-4	10-02	33	1	48.1*	--	--	--	--
Prairie Brand PB-4083NRR	9-30	35	1	47.9*	--	--	--	--
Bio Gene BG4200NRRST	10-02	32	1	47.8*	--	--	--	--
MFA Morsoy RT 4033	10-01	31	1	46.9*	--	--	--	--
MFA Morsoy RT 4201N	10-02	33	1	46.9*	50.4*	--	48.7	--
Renze R4233SRcn	10-03	34	1	46.2*	48.6*	--	47.4	--
Kruger K-440 RR	10-02	30	1	45.8*	--	--	--	--
MPride/MPV 4102NRR	10-03	34	1	44.7	50.7*	--	47.7	--
Mersch. Dallas RR	10-06	38	2	44.2	51.1*	--	47.7	--
Excel Brand 8416NRR	10-01	31	1	43.2	--	--	--	--
Mersch. Austin RR	10-02	32	1	43.0	52.5*	--	47.8	--
MPride/MPV 4104nRR	9-30	36	1	43.0	--	--	--	--
Thompson T-4122RN	9-29	31	1	43.0	--	--	--	--
Prairie Brand PB-4483NRR	10-01	31	1	42.9	--	--	--	--
Thompson T-4211RN	10-01	34	1	42.1	48.7	--	45.4	--
MPride/MPV 4004nRR	9-25	40	1	41.6	--	--	--	--
MPride/MPV 4303nRR	10-02	30	1	41.0	--	--	--	--
ASGROW AG4201	10-04	40	1	40.6	--	--	--	--

TABLE 4. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)				2 Yr.	3 Yr.
				2003	2002	2001		
NC+ 4A29RR	10-03	41	1	37.8	--	35.9	--	--
GROUP 4 AVERAGE	10-01	34	1	45.1	48.8	41.5	47.0	45.1
L.S.D. AT .10				5.4	4.4	4.3		
C.V. %				8.0	6.1	7.4		
TRIAL AVERAGE		33	1	39.7	47.7	40.7	43.7	42.7

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 5. Performance of Glyphosate Resistant Soybean Varieties evaluated near LaGrange (Lewis County) on the Roger Tieman Farm during 2001-2003.

Planted: 19 May 2003
 Harvested: 16 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Chequest Silt Loam
 Soil Test: pH=5.8, OM=2.2, P=233, K=505

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Dual II,FirstRate,Authority,Touchdown
 Post Emergence: Resource,Flexstar,Roundup WeatherMax
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 500 Eggs/250cc of soil
 Growing Season Rainfall: May=4.4, June=3.2, July=7.8, Aug.=3.9, Sept.=4.8 TOTAL=24.1 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 3							
Thompson T-3999RN	9-24	47	2	70.3**	67.3*	--	68.8	--
MFA Morsoy RT 3622N	9-28	39	3	69.0*	--	--	--	--
Mersch. Roosevelt IIIRR	10-02	41	3	68.4*	63.5	59.7	66.0	63.9
Thompson T-3999TRN	9-26	41	1	67.0*	--	--	--	--
DEKALB DKB36-51	9-23	47	3	66.7*	62.9	59.1	64.8	62.9
Schillinger 373.RCP	9-29	38	3	66.7*	--	--	--	--
Willcross RR2362	9-28	37	3	66.0*	--	--	--	--
Arrow A3663RRN	NA	44	3	66.0*	--	--	--	--
ASGROW AG3801	9-29	37	3	65.7*	--	--	--	--
Lewis 3715 RR	9-25	41	3	65.5*	66.6*	--	66.1	--
ASGROW AG3905	10-03	44	2	65.3*	--	--	--	--
MFA Morsoy RT 3712N	9-29	37	4	65.1*	65.7*	--	65.4	--
DEKALB DKB38-52	9-28	47	4	65.0*	62.7	64.5	63.9	64.1
Thompson T-3737RN	9-29	37	3	65.0*	66.3*	--	65.7	--
Pioneer 93M80	9-27	47	3	64.8*	--	--	--	--
Prairie Brand PB-3732RR	9-26	41	4	64.6*	60.5	--	62.6	--
NK Brand S37-N4	9-30	41	2	64.5*	64.6	--	64.6	--
Merschman Washington IXRR	10-01	36	3	64.4*	--	--	--	--
Bio Gene BG3620NRR	9-29	37	3	64.4*	--	--	--	--
MFA Morsoy RT 3991N	9-28	43	2	64.3*	70.7**	--	67.5	--
NC+ 3A84RR	9-29	36	3	64.3*	--	--	--	--
Pioneer 93M90	9-28	51	3	64.3*	--	--	--	--
Thompson T-3737TRN	9-29	43	4	64.1*	--	--	--	--
Prairie Brand PB-3921NRR	9-26	41	2	64.1*	--	66.5*	--	--
Renze R3684Rcn	9-27	37	4	64.0*	--	--	--	--
Kruger K-379 RR/SCN	9-26	38	4	63.9*	64.3	--	64.1	--
NC+ 3A92RR	9-29	43	2	63.7*	66.8*	--	65.3	--
Mersch. Kennedy VIRR	9-25	38	2	63.4	64.9	65.8	64.2	64.7
Arrow A3883RRN	9-29	36	2	63.2	62.3	--	62.8	--
Garst/AgriPro 3824RR/N	9-27	45	2	63.1	--	--	--	--
Prairie Brand PB-3621RR	9-24	36	3	63.0	67.9*	67.8*	65.5	66.2
Kruger K-379+ RR/SCN	9-29	39	3	63.0	--	--	--	--
Midwest Seed GR3732	9-29	41	4	62.9	63.0	--	63.0	--
Vigoro V39N4RR	9-30	37	3	62.8	--	--	--	--
Kruger K-393 RR/SCN	9-28	36	2	62.8	--	--	--	--
MFA Morsoy RT 3881N	9-26	47	3	62.6	65.8*	--	64.2	--
MFA Morsoy RT 3883N	10-02	38	4	62.6	--	--	--	--
MPride/MPV 3703nRR	9-27	48	4	62.6	--	--	--	--
Golden Harvest H-3631RR	9-29	35	3	62.6	62.6	--	62.6	--
Kruger K-399+ RR/SCN	10-01	40	3	62.5	--	--	--	--

TABLE 5. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Taylor 374RR	9-26	38	4	62.5	--	--	--	--
Kruger K-404 RR	9-28	41	3	62.4	--	--	--	--
Prairie Brand PB-3683NRR	9-25	40	3	62.4	--	--	--	--
Dyna Gro 33A37	9-28	43	3	62.2	--	--	--	--
Kruger K-404+ RR	9-27	37	2	62.0	--	--	--	--
Kruger K-393+ RR/SCN	9-29	38	3	61.9	--	--	--	--
Prairie Brand PB-3823RR	9-26	43	3	61.9	--	--	--	--
Crows C3915R	9-26	43	3	61.9	63.5	--	62.7	--
Kruger K-395 RR/SCN	9-27	42	3	61.8	--	--	--	--
Crows C3717R	9-28	37	4	61.8	--	--	--	--
Willcross RR2393N	9-28	38	4	61.8	--	--	--	--
Taylor EXP 3900RR	9-30	36	3	61.8	--	--	--	--
Stine S3932-4	9-26	40	3	61.7	--	--	--	--
Thompson T-3838RR	9-25	37	2	61.5	62.7	--	62.1	--
Willcross RR2392N	9-26	44	2	61.4	--	66.3*	--	--
Thompson T-3839RR	9-26	37	3	61.3	--	--	--	--
Renze R3814RR	9-27	37	3	61.2	--	--	--	--
Fontanelle 9192NRR	10-03	37	3	61.2	61.0	--	61.1	--
MPride/MPV 3902NRR	10-02	43	4	61.1	61.9	--	61.5	--
Fontanelle 9162NRR	9-27	37	4	61.0	68.4*	--	64.7	--
DEKALB DKB37-51	9-29	40	3	60.9	--	--	--	--
Kruger K-380 RR/SCN	9-28	44	3	60.8	66.6*	67.0*	63.7	64.8
Renze R3692RR	9-26	36	3	60.8	62.9	--	61.9	--
Kruger 383+ RR	9-28	43	4	60.8	--	--	--	--
LG Seeds C3944NRR	9-26	44	2	60.7	--	--	--	--
Golden Harvest H-3945RR	9-26	47	3	60.7	63.4	--	62.1	--
Kruger K-380+ RR/SCN	9-27	42	2	60.7	--	--	--	--
Stine S3832-4	10-01	36	3	60.6	--	--	--	--
Garst/AgriPro 3212RR/N	9-19	43	3	60.5	58.4	--	59.5	--
Lewis 3875RR	9-27	40	3	60.4	--	--	--	--
Willcross RR2373N	9-27	37	3	60.4	66.1*	--	63.3	--
Arrow A3994RRN	10-02	38	4	60.2	--	--	--	--
Schillinger 393.RCP	9-28	42	4	60.2	--	--	--	--
Kruger K-355 RR/SCN	9-26	36	3	60.1	--	--	--	--
Midwest Seed GR3931	9-29	42	1	60.0	--	64.7	--	--
Stine S4032-4	9-30	43	2	59.9	--	--	--	--
MPride/MPV 3903nRR	9-27	44	2	59.8	--	--	--	--
Thompson T-3922RN	9-30	38	3	59.7	--	--	--	--
Vigoro V35N4RR	9-24	36	4	59.7	--	--	--	--
Dyna Gro 34P38	9-24	40	2	59.6	--	--	--	--
Lewis 3566RR	9-26	40	3	59.5	--	--	--	--
Garst/AgriPro 3812 RR/N	9-27	44	4	59.5	59.9	--	59.7	--
Dyna Gro 3362NRR	9-25	36	2	59.3	66.2*	69.7*	62.8	65.1
Willcross RR2354N	9-23	38	2	59.0	--	--	--	--
MPride/MPV 3803 nRR	9-30	35	3	59.0	--	--	--	--
Kruger K-390 RR/SCN	10-02	48	1	59.0	--	--	--	--
Merschman Cleveland VIIRR	9-24	32	2	58.9	--	--	--	--
NK Brand S39-K6	9-29	44	2	58.8	61.4	--	60.1	--
LG Seeds C3655RR	9-23	37	2	58.7	--	--	--	--
Thompson T-3940RR	9-26	41	3	58.7	--	--	--	--

TABLE 5. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)				2 Yr.	3 Yr.
				2003	2002	2001		
Fontanelle 9371NRR	9-27	38	4	58.5	--	--	--	--
Excel Brand 8342NNRR	9-22	43	2	58.5	--	--	--	--
Kruger K-355+ RR/SCN	9-21	37	3	58.5	--	--	--	--
Excel Brand 8359RR	9-22	43	3	58.3	--	--	--	--
MPride/MPV 3303nRR	9-19	35	2	58.1	--	--	--	--
Thompson T-3622RN	9-25	37	3	57.8	--	--	--	--
Kruger K-397 RR/SCN	10-01	44	4	57.7	--	--	--	--
Renze R3994Rcn	9-27	38	2	57.5	--	--	--	--
MPride/MPV 3904nRR	10-01	43	3	57.1	--	--	--	--
Stine S3402-4	9-20	40	3	57.1	--	--	--	--
Thompson T-3988RR	9-29	43	3	57.0	--	--	--	--
MFA Morsoy RT 3221N	9-21	42	3	56.3	58.0	62.1	57.2	58.8
Golden Harvest H-3643RR	9-23	39	4	56.2	--	--	--	--
ASGROW AG3005	9-20	41	4	55.8	--	--	--	--
Prairie Brand PB-3432RR	9-22	37	3	55.8	59.7	--	57.8	--
Kruger K-383 RR	9-28	41	2	55.7	--	--	--	--
Willcross RR2312	9-14	40	3	55.6	--	63.5	--	--
ASGROW AG3202	9-14	42	3	55.6	--	--	--	--
Schillinger 353.RCP	9-24	39	3	55.4	--	--	--	--
Kruger K-353 RR	9-16	35	2	54.2	--	--	--	--
Willcross RR2323N	9-20	41	4	53.7	--	--	--	--
Fontanelle 9241RR	9-15	40	2	48.6	--	--	--	--
NK Brand S34-V4	9-16	44	4	48.2	--	--	--	--
GROUP 3 AVERAGE	9-26	40	3	61.1	61.9	63.0	61.5	62.0
L.S.D. AT .10				6.7	5.6	4.4		
C.V. %				7.7	6.4	4.9		
MATURITY GROUP 4								
MFA Morsoy RT 4201N	10-02	47	3	72.2**	65.2*	--	68.7	--
Thompson T-4122RN	9-25	42	2	71.4*	--	--	--	--
Excel Brand 8416NRR	10-01	45	3	67.7*	--	--	--	--
Stine S4102-4	9-29	41	2	67.5*	--	--	--	--
MPride/MPV 4303nRR	9-29	43	2	66.5	--	--	--	--
Prairie Brand PB-4083NRR	10-01	41	4	66.3	--	--	--	--
Mersch. Denver RRSTS	10-07	48	4	66.2	--	57.0	--	--
Bio Gene BG4200NRRST	9-30	36	1	65.8	--	--	--	--
Thompson T-4211RN	10-02	41	3	65.0	63.7	--	64.4	--
Mersch. Phoenix IIIRR	9-30	40	1	64.8	65.3*	--	65.1	--
MFA Morsoy RT 4033	9-24	42	3	64.2	--	--	--	--
Mersch. Austin RR	10-02	41	3	63.5	64.0*	--	63.8	--
Kruger K-440 RR	9-29	40	2	63.5	--	--	--	--
Renze R4233SRcn	9-28	44	3	63.5	67.1**	--	65.3	--
Prairie Brand PB-4483NRR	9-28	36	1	63.2	--	--	--	--
MPride/MPV 4003nRR	9-27	44	2	62.5	--	--	--	--
Mersch. Dallas RR	10-08	43	4	62.2	63.5*	--	62.9	--
MPride/MPV 4102NRR	10-02	39	3	61.9	64.9*	--	63.4	--
MFA Morsoy RT 4202N	9-28	42	2	61.8	--	--	--	--
MPride/MPV 4004nRR	9-29	46	3	58.7	--	--	--	--
ASGROW AG4201	10-01	44	3	57.6	--	--	--	--
MPride/MPV 4104nRR	9-26	39	3	56.5	--	--	--	--

TABLE 5. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)				2 Yr.	3 Yr.
				2003	2002	2001		
NC+ 4A29RR	10-02	44	3	55.6	--	55.7	--	--
GROUP 4 AVERAGE	9-29	42	3	63.8	62.4	58.6	63.1	61.6
L.S.D. AT .10				4.9	4.4	2.6		
C.V. %				5.1	5.0	2.8		
TRIAL AVERAGE		41	3	61.6	62.0	62.4	61.8	62.0

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 6. Performance Summary for Glyphosate Resistant Varieties evaluated at Five North Missouri locations (Craig, Albany, Mooresville, Macon, LaGrange) during 2003.

<u>Craig</u> Planted: 16 May 2003 Harvested: 10 October 2003 Growing Season Rainfall: 15.3 in.	<u>Albany</u> Planted: 22 May 2003 Harvested: 9 October 2003 Growing Season Rainfall: 14.6 in.	<u>Mooresville</u> Planted: 15 May 2003 Harvested: 9 October 2003 Growing Season Rainfall: 22.1 in.
<u>Macon</u> Planted: 28 May 2003 Harvested: 8 October 2003 Growing Season Rainfall: 23.5 in.	<u>LaGrange</u> Planted: 19 May 2003 Harvested: 16 October 2003 Growing Season Rainfall: 24.1 in.	

Brand-Variety	Yield (Bu/Acre)					
	Craig	Albany	Mooresville	Macon	LaGrange	Mean
MATURITY GROUP 3						
Thompson T-3999RN	54.9*	16.0*	29.3	43.4*	70.3**	42.8**
Thompson T-3999TRN	53.2*	15.7*	32.8*	42.3*	67.0*	42.2*
Prairie Brand PB-3921NRR	50.9	17.6*	32.0*	43.5*	64.1*	41.6*
DEKALB DKB38-52	56.2*	14.2*	30.3	41.6*	65.0*	41.4*
Kruger K-379 RR/SCN	55.2*	13.9*	27.7	45.2*	63.9*	41.2*
ASGROW AG3905	53.4*	16.9*	32.5*	35.6	65.3*	40.7*
Thompson T-3737RN	51.6	11.6	33.7*	41.1*	65.0*	40.6*
Thompson T-3737TRN	58.1*	10.3	27.3	42.5*	64.1*	40.4*
LG Seeds C3944NRR	52.9*	16.0*	30.6*	41.7*	60.7	40.4*
MPride/MPV 3903nRR	50.1	17.8*	30.5*	42.8*	59.8	40.2
MFA Morsoy RT 3991N	48.8	14.0*	29.7	43.8*	64.3*	40.1
Garst/AgriPro 3824RR/N	46.9	15.3*	34.6**	40.3	63.1	40.0
Willcross RR2392N	49.4	15.5*	32.6*	41.2*	61.4	40.0
Crows C3915R	49.4	10.8	32.2*	45.7*	61.9	40.0
Midwest Seed GR3732	54.2*	12.4	25.7	44.8*	62.9	40.0
Schillinger 373.RCP	51.9	8.6	26.8	46.0**	66.7*	40.0
Kruger K-380 RR/SCN	53.0*	13.3	29.3	43.6*	60.8	40.0
Lewis 3715 RR	55.3*	10.7	27.4	41.0*	65.5*	40.0
Kruger K-379+ RR/SCN	52.0	14.7*	29.3	40.6*	63.0	39.9
Prairie Brand PB-3732RR	52.9*	10.8	29.8	40.8*	64.6*	39.8
Kruger K-380+ RR/SCN	50.8	15.5*	30.6*	41.2*	60.7	39.8
MFA Morsoy RT 3712N	53.9*	9.6	28.9	41.3*	65.1*	39.8
Fontanelle 9371NRR	56.5*	16.4*	27.2	40.0	58.5	39.7
NK Brand S37-N4	46.4	12.0	30.6*	44.9*	64.5*	39.7
Merschman Washington IXRR	50.2	10.1	29.0	44.5*	64.4*	39.6
Arrow A3663RRN	54.5*	10.8	29.5	37.4	66.0*	39.6
Dyna Gro 33A37	55.1*	14.7*	28.3	37.6	62.2	39.6
MFA Morsoy RT 3622N	51.0	12.3	24.9	40.4*	69.0*	39.5
Thompson T-3839RR	56.0*	10.7	27.2	41.1*	61.3	39.2
DEKALB DKB36-51	48.0	16.3*	24.9	40.4*	66.7*	39.2
Willcross RR2373N	54.0*	15.3*	28.2	38.3	60.4	39.2
Mersch. Roosevelt IIIR	45.9	18.1**	31.9*	31.7	68.4*	39.2
Taylor EXP 3900RR	56.9*	9.9	29.0	38.4	61.8	39.2
Renze R3684Rcn	54.4*	8.9	25.4	43.2*	64.0*	39.2
Renze R3814RR	55.4*	9.4	25.8	44.1*	61.2	39.2
Crows C3717R	54.2*	10.4	27.7	41.7*	61.8	39.2
Golden Harvest H-3945RR	51.3	15.2*	32.3*	36.0	60.7	39.1
MFA Morsoy RT 3883N	54.3*	11.3	28.0	39.2	62.6	39.1
NC+ 3A92RR	43.1	17.6*	30.3	40.5*	63.7*	39.0
Taylor 374RR	53.3*	11.8	26.1	41.4*	62.5	39.0

Table 6. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooreville	Macon	LaGrange	
Willcross RR2393N	57.3*	11.7	24.7	38.7	61.8	38.8
ASGROW AG3801	51.9	12.6	27.8	35.7	65.7*	38.7
Kruger K-355+ RR/SCN	55.8*	14.5*	26.0	38.7	58.5	38.7
Kruger K-404+ RR	53.2*	7.5	26.9	43.4*	62.0	38.6
Kruger K-393+ RR/SCN	49.8	14.1*	29.9	37.1	61.9	38.6
Vigoro V39N4RR	53.6*	10.9	25.3	40.0	62.8	38.5
Kruger K-393 RR/SCN	52.3	9.6	27.6	39.7	62.8	38.4
Mersch. Kennedy VIRR	53.0*	8.5	24.8	42.2*	63.4	38.4
ASGROW AG3202	58.5**	12.3	26.4	38.6	55.6	38.3
Thompson T-3922RN	49.4	10.2	28.3	43.5*	59.7	38.2
Kruger K-355 RR/SCN	47.4	12.8	29.7	41.1*	60.1	38.2
Bio Gene BG3620NRR	50.5	11.2	24.3	40.5*	64.4*	38.2
Stine S3932-4	50.6	9.1	27.7	41.8*	61.7	38.2
DEKALB DKB37-51	51.1	11.5	27.7	39.4	60.9	38.1
Kruger K-390 RR/SCN	49.7	10.6	29.9	40.8*	59.0	38.0
Fontanelle 9162NRR	53.0*	10.7	26.2	39.1	61.0	38.0
Lewis 3566RR	53.4*	11.8	31.6*	33.6	59.5	38.0
Pioneer 93M90	45.7	9.3	31.5*	38.5	64.3*	37.9
Garst/AgriPro 3812 RR/N	51.0	12.3	27.6	38.0	59.5	37.7
Golden Harvest H-3631RR	51.8	9.1	25.8	38.9	62.6	37.6
LG Seeds C3655RR	53.9*	7.2	26.4	41.4*	58.7	37.5
NC+ 3A84RR	52.5	12.2	23.7	34.8	64.3*	37.5
Stine S3832-4	47.7	10.7	27.1	41.3*	60.6	37.5
Willcross RR2362	45.2	6.9	26.4	42.3*	66.0*	37.4
NK Brand S39-K6	44.2	15.5*	32.0*	36.2	58.8	37.3
Thompson T-3622RN	52.3	13.8*	25.3	37.5	57.8	37.3
Stine S3402-4	49.5	12.4	29.2	38.4	57.1	37.3
Vigoro V35N4RR	49.2	8.3	27.4	41.9*	59.7	37.3
Arrow A3883RRN	48.4	10.4	24.4	40.1	63.2	37.3
Renze R3994Rcn	54.0*	10.2	27.7	36.7	57.5	37.2
Prairie Brand PB-3621RR	52.6	9.3	25.7	35.3	63.0	37.2
Kruger K-395 RR/SCN	50.3	10.7	29.0	33.9	61.8	37.1
Arrow A3994RRN	49.8	8.0	26.1	41.4*	60.2	37.1
Kruger K-404 RR	52.4	5.5	27.4	37.7	62.4	37.1
Dyna Gro 3362NRR	55.7*	7.4	25.9	36.7	59.3	37.0
Midwest Seed GR3931	48.4	6.7	29.7	39.8	60.0	36.9
Prairie Brand PB-3823RR	56.0*	8.3	22.7	35.6	61.9	36.9
MPride/MPV 3303nRR	51.1	13.6*	24.6	36.9	58.1	36.8
Fontanelle 9192NRR	49.5	11.1	27.4	34.4	61.2	36.7
Lewis 3875RR	50.6	10.4	25.2	36.9	60.4	36.7
Merschman Cleveland VIIRR	48.8	10.1	26.0	39.2	58.9	36.6
Prairie Brand PB-3683NRR	51.1	7.0	26.1	36.4	62.4	36.6
Willcross RR2354N	48.0	13.1	28.5	34.2	59.0	36.6
Thompson T-3838RR	51.0	8.0	27.2	35.0	61.5	36.5
Prairie Brand PB-3432RR	54.7*	8.2	28.7	34.8	55.8	36.4
MPride/MPV 3703nRR	46.2	11.3	26.8	35.1	62.6	36.4
Willcross RR2323N	52.1	8.7	29.5	37.9	53.7	36.4
Schillinger 393.RCP	53.7*	8.2	26.9	32.3	60.2	36.3
ASGROW AG3005	51.0	8.1	28.1	37.7	55.8	36.1
Pioneer 93M80	44.5	11.0	25.7	34.6	64.8*	36.1

Table 6. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Craig	Albany	Mooresville	Macon	LaGrange	Mean
MFA Morsoy RT 3881N	46.2	8.9	26.1	36.7	62.6	36.1
MPride/MPV 3902NRR	44.4	13.9*	27.2	33.7	61.1	36.1
Garst/AgriPro 3212RR/N	44.4	13.7*	23.5	37.4	60.5	35.9
Schillinger 353.RCP	48.5	10.6	26.9	37.7	55.4	35.8
MPride/MPV 3803 nRR	44.1	11.8	26.1	37.8	59.0	35.8
Kruger 383+ RR	48.9	6.9	25.7	36.1	60.8	35.7
Stine S4032-4	44.0	8.9	24.9	40.3	59.9	35.6
Renze R3692RR	48.9	7.7	23.8	36.1	60.8	35.4
Kruger K-397 RR/SCN	50.2	6.5	28.0	34.8	57.7	35.4
Excel Brand 8359RR	45.6	11.7	24.6	36.6	58.3	35.4
Excel Brand 8342NRRR	47.5	9.0	28.6	32.8	58.5	35.3
Kruger K-399+ RR/SCN	43.3	7.3	24.1	38.4	62.5	35.1
Thompson T-3940RR	51.9	9.7	23.1	32.1	58.7	35.1
MFA Morsoy RT 3221N	46.5	9.3	27.1	35.9	56.3	35.0
Kruger K-353 RR	52.5	8.0	25.4	34.7	54.2	35.0
MPride/MPV 3904nRR	46.6	10.0	28.0	32.6	57.1	34.8
Kruger K-383 RR	51.0	8.7	25.9	31.7	55.7	34.6
Golden Harvest H-3643RR	51.9	10.4	22.2	32.0	56.2	34.5
Thompson T-3988RR	43.7	9.1	26.0	36.8	57.0	34.5
Dyna Gro 34P38	52.0	8.8	20.9	29.6	59.6	34.2
NK Brand S34-V4	45.9	10.1	24.1	37.0	48.2	33.1
Fontanelle 9241RR	52.9*	6.4	25.7	30.0	48.6	32.7
Willcross RR2312	47.3	10.1	19.3	29.4	55.6	32.3
GROUP 3 AVERAGE	50.9	11.2	27.5	38.6	61.1	37.9
L.S.D. AT .10	5.7	4.6	4.2	5.6	6.7	2.4
C.V. %	7.8	28.5	10.7	10.2	7.7	13.0
MATURITY GROUP 4						
MFA Morsoy RT 4201N	41.9*	13.2	32.8	46.9*	72.2**	41.4**
Thompson T-4122RN	45.7**	15.7	28.4	43.0	71.4*	40.8*
Stine S4102-4	39.6	16.1	30.9	48.1*	67.5*	40.4*
Prairie Brand PB-4083NRR	39.2	16.3	31.7	47.9*	66.3	40.3*
Excel Brand 8416NRR	41.7*	14.2	33.7**	43.2	67.7*	40.1*
Mersch. Denver RRSTS	39.7	14.3	28.1	51.0**	66.2	39.8*
MPride/MPV 4003nRR	41.0	13.8	30.1	49.5*	62.5	39.4*
Mersch. Phoenix IIRR	39.0	13.8	29.6	48.7*	64.8	39.2*
MFA Morsoy RT 4202N	40.5	12.3	30.1	50.6*	61.8	39.0
Bio Gene BG4200NRRST	37.4	16.8	27.0	47.8*	65.8	39.0
Kruger K-440 RR	43.4*	12.1	28.9	45.8*	63.5	38.7
MFA Morsoy RT 4033	45.1*	9.6	26.8	46.9*	64.2	38.5
MPride/MPV 4303nRR	42.4*	13.5	28.8	41.0	66.5	38.4
Prairie Brand PB-4483NRR	40.3	15.9	29.4	42.9	63.2	38.3
Mersch. Austin RR	37.7	17.6**	27.2	43.0	63.5	37.8
Renze R4233SRcn	40.0	10.9	27.6	46.2*	63.5	37.6
MPride/MPV 4004nRR	42.0*	17.0	28.3	41.6	58.7	37.5
Thompson T-4211RN	37.9	13.0	27.3	42.1	65.0	37.0
MPride/MPV 4104nRR	37.9	17.1	30.0	43.0	56.5	36.9
Mersch. Dallas RR	38.6	9.9	29.5	44.2	62.2	36.9

MPride/MPV 4102NRR	38.7	9.7	29.0	44.7	61.9	36.8
ASGROW AG4201	42.8*	12.6	25.4	40.6	57.6	35.8
NC+ 4A29RR	36.4	15.3	31.7	37.8	55.6	35.4
GROUP 4 AVERAGE	40.4	13.9	29.2	45.1	63.8	38.5
L.S.D. AT .10	4.4	NS	NS	5.4	4.9	2.2
C.V. %	7.1	25.1	11.2	8.0	5.1	11.3
<hr/>						
TRIAL AVERAGE	49.1	11.6	27.8	39.7	61.6	37.9
<hr/>						

** Highest yielding variety in the maturity group.

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

NS Not Significant.

TABLE 7. Performance of Special Trait Soybean Varieties evaluated near Craig (Holt County) on the Steve Cunningham Farm during 2003.

Planted: 16 May 2003
 Harvested: 10 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Haynie Silty Clay Loam
 Soil Test: pH=7.1, OM=3.5, P=52, K=806

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Frontier, FirstRate, Authority
 Post Emergence: Classic, Fusion
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 800 Eggs/250cc of soil
 Growing Season Rainfall: May=3.6, June=6.8, July=1.1, Aug.=1.8, Sept.=2.0 TOTAL=15.3 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre) 2003	Means			
		Mat-urity Date	Plant Height (In)	Lodging Score (1-5)		2 Yr.	3 Yr.		
MATURITY GROUP 4									
High Yield Check 1		9-25	34	1	45.6**	--	--	--	--
High Yield Check 2		9-26	34	1	45.0*	--	--	--	--
Schillinger SSX 42262Y	Tofu	9-26	37	1	42.3	--	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-26	30	1	38.8	--	--	--	--
High Yield Check 3		9-29	30	1	38.7	--	--	--	--
GROUP 4 AVERAGE		9-25	33	1	42.1	--	--	--	--
L.S.D. AT .10					2.6				
C.V. %					4.9				

-- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.

TABLE 8. Performance of Special Trait Soybean Varieties evaluated near Albany (Gentry County) on the Hundley-Whaley Center during 2003.

Planted: 22 May 2003
 Harvested: 9 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Grundy Silt Loam
 Soil Test: pH=4.9, OM=2.8, P=85, K=467

Fertilizer: N=0; P2O5=0; K2O=60
 Herbicide: Pre: Frontier, FirstRate, Authority
 Post Emergence: Fusion
 Irrigation: None
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=3.9, June=5.6, July=1.0, Aug.=1.5, Sept.=2.6 TOTAL=14.6 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre) 2003	Means			
		Mat-urity Date	Plant Height (In)	Lodging Score (1-5)		2 Yr.	3 Yr.		
MATURITY GROUP 4									
High Yield Check 2		9-26	30	1	13.0**	--	--	--	--
High Yield Check 1		9-25	30	1	10.0	--	--	--	--
High Yield Check 3		9-28	28	1	9.8	--	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-25	22	1	8.2	--	--	--	--
Schillinger SSX 42262Y	Tofu	9-26	36	1	8.0	--	--	--	--
GROUP 4 AVERAGE		9-25	29	1	9.8	--	--	--	--
L.S.D. AT .10					NS				
C.V. %					46.8				

- Data not available.
- ** Highest yielding variety in the maturity group.
- * Yield not significantly less than the highest yielding variety in the maturity group.
- NS Not Significant.

TABLE 9. Performance of Special Trait Soybean Varieties evaluated near Mooresville (Livingston County) on the Beetsma Farm during 2003.

Planted: 15 May 2003	Fertilizer: N=0; P2O5=0; K2O=0
Harvested: 9 October 2003	Herbicide: Pre: Frontier, First Rate, Authority, Touchdown
Seeding Rate: 174,200	Post Emergence: Aim, Basagran
Row Spacing: 30 Inches	Irrigation: None
Soil Type: Grundy Silt Loam	Previous Crop: Corn
Soil Test: pH=5.9, OM=4.0, P=28, K=274	Tillage: Conventional

Cyst Nematode Population at Planting: 2500 Eggs/250cc soil
 Growing Season Rainfall: May=3.0, June=5.0, July=2.6, Aug=5.5, Sept=6.0 TOTAL=22.1 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre)		Means	
		Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003		2 Yr.	3 Yr.
MATURITY GROUP 4								
High Yield Check 2		9-21	32	1	30.4**	--	--	--
High Yield Check 1		9-21	29	1	28.6*	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-22	29	1	26.8*	--	--	--
High Yield Check 3		9-24	28	1	26.2*	--	--	--
Schillinger SSX 42262Y	Tofu	9-21	36	1	19.9	--	--	--
GROUP 4 AVERAGE		9-21	31	1	26.4	--	--	--
L.S.D. AT .10					5.3			
C.V. %					15.6			

-- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.

TABLE 10. Performance of Special Trait Soybean Varieties evaluated near Macon (Macon County) on the Bill Cason Farm during 2003.

Planted: 28 May 2003
 Harvested: 8 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 inches
 Soil Type: Putnam Silt Loam
 Soil Test: pH=6.0, OM=2.6, P=48, K=222

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Dual II,FirstRate,Authority,Touchdown
 Post Emergence: Galaxy, Ultra Blazer
 Irrigation: None
 Previous Crop: Sorghum
 Tillage: No-Till

Cyst Nematode Population at Planting: 2750 Eggs/250cc of soil
 Growing Season Rainfall: May=5.0, June=4.2, July=3.7, Aug.=4.4, Sept.=6.2 TOTAL=23.5 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre)		Means	
		Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003		2 Yr.	3 Yr.
MATURITY GROUP 4								
High Yield Check 2		9-29	36	1	50.8**	--	--	--
High Yield Check 1		9-29	35	1	49.1*	--	--	--
High Yield Check 3		10-04	32	1	43.5	--	--	--
Schillinger SSX 42262Y	Tofu	9-30	33	1	42.6	--	--	--
Schillinger SSX 44252P	Protein/Tofu	10-03	34	1	40.2	--	--	--
GROUP 4 AVERAGE		9-30	34	1	45.2	--	--	--
L.S.D. AT .10					5.0			
C.V. %					9.3			

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 11. Performance of Special Trait Soybean Varieties evaluated near LaGrange (Lewis County) on the Roger Tieman Farm during 2003.

Planted: 19 May 2003
 Harvested: 16 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Chequest Silt Loam
 Soil Test: pH=5.8, OM=2.2, P=233, K=505

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Dual II,FirstRate,Authority,Touchdown
 Post Emergence: Resource, Flexstar
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 500 Eggs/250cc of soil
 Growing Season Rainfall: May=4.4, June=3.2, July=7.8, Aug.=3.9, Sept.=4.8 TOTAL=24.1 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre)		Means		
		Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2 Yr.	3 Yr.		
MATURITY GROUP 4									
High Yield Check 3		10-02	48	2	67.5**	--	--	--	--
High Yield Check 2		9-25	38	2	64.3*	--	--	--	--
High Yield Check 1		9-25	45	2	61.8*	--	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-26	41	3	49.2	--	--	--	--
Schillinger SSX 42262Y	Tofu	9-29	38	4	48.0	--	--	--	--
GROUP 4 AVERAGE		9-26	42	3	58.2	--	--	--	--
L.S.D. AT .10					6.0				
C.V. %					8.1				

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 12. Performance Summary for Special Traits Varieties evaluated at Five North Missouri locations (Craig, Albany, Mooresville, Macon, LaGrange) during 2003.

<u>Craig</u> Planted: 16 May 2003 Harvested: 10 October 2003 Growing Season Rainfall: 15.3 in.	<u>Albany</u> Planted: 22 May 2003 Harvested: 9 October 2003 Growing Season Rainfall: 14.6 in.	<u>Mooresville</u> Planted: 15 May 2003 Harvested: 9 October 2003 Growing Season Rainfall: 22.1 in.
<u>Macon</u> Planted: 28 May 2003 Harvested: 8 October 2003 Growing Season Rainfall: 23.5 in.	<u>LaGrange</u> Planted: 19 May 2003 Harvested: 16 October 2003 Growing Season Rainfall: 24.1 in.	

Brand-Variety	Yield (Bu/Acre)					
	Craig	Albany	Mooresville	Macon	LaGrange	Mean
MATURITY GROUP 4						
High Yield Check 2	45.0*	13.0**	30.4**	50.8**	64.3*	40.7**
High Yield Check 1	45.6**	10.0	28.6*	49.1*	61.8*	39.0*
High Yield Check 3	38.7	9.8	26.2*	43.5	67.5**	37.1
Schillinger SSX 44252P	38.8	8.2	26.8*	40.2	49.2	32.6
Schillinger SSX 42262Y	42.3	8.0	19.9	42.6	48.0	32.2
GROUP 4 AVERAGE	42.1	9.8	26.4	45.2	58.2	36.3
L.S.D. AT .10	2.6	NS	5.3	5.0	6.0	2.2
C.V. %	4.9	46.8	15.6	9.3	8.1	16.9

** Highest yielding variety in the maturity group.

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

NS Not Significant.

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

TABLE 13. Performance of Glyphosate Resistant Soybean Varieties evaluated near Henrietta (Ray County) on the John Williams Farm during 2001-2003.

Planted: 14 May 2003
 Harvested: 15 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Haynie Silt Loam
 Soil Test: pH=6.1, OM=1.7, P=49, K=429

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: First Rate, Authority, Frontier, Touchdown
 Post Emergence: Flexstar, FirstRate, Roundup WeatherMax
 Irrigation: None
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 2500 Eggs/250cc of soil
 Growing Season Rainfall: May=3.0, June=4.8, July=0.4, Aug.=8.0, Sept.=3.2 TOTAL=19.4 in.

Brand-Variety	2003							Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			2 Yr.	3 Yr.	
				2003	2002	2001			
MATURITY GROUP 3									
ASGROW AG3905	9-26	41	3	56.4**	--	--	--	--	--
Kruger K-393 RR/SCN	9-25	40	2	56.1*	--	--	--	--	--
Garst/AgriPro 3824RR/N	9-24	42	2	55.5*	--	--	--	--	--
Thompson T-3922RN	9-24	38	3	55.1*	--	--	--	--	--
Kruger K-404 RR	9-24	35	1	54.8*	--	--	--	--	--
Kruger K-380+ RR/SCN	9-22	42	2	54.3*	--	--	--	--	--
MFA Morsoy RT 3991N	9-25	43	3	54.2*	68.6**	64.1	61.4	62.3	
Midwest Seed GR3732	9-18	42	2	53.6*	--	--	--	--	--
Midland 9E362NRR	9-25	33	1	53.5*	66.4*	--	60.0	--	--
Golden Harvest H-3945RR	9-24	39	1	53.4*	65.7*	--	59.6	--	--
DEKALB DKB37-51	9-22	38	3	53.3*	--	--	--	--	--
Willcross RR2392N	9-24	38	1	52.4*	--	63.0	--	--	--
Kruger K-404+ RR	9-26	35	1	52.4*	--	--	--	--	--
Stine S3932-4	9-24	40	2	52.2*	--	--	--	--	--
Lewis 3944 RR	9-24	43	3	52.0*	64.9*	--	58.5	--	--
Kruger K-393+ RR/SCN	9-26	39	4	51.9*	--	66.7	--	--	--
Mersch. Roosevelt IIIRR	9-26	46	4	51.5*	--	--	--	--	--
Thompson T-3737TRN	9-22	39	1	51.5*	--	--	--	--	--
MPride/MPV 3903nRR	9-24	41	2	51.4*	--	--	--	--	--
Dyna Gro 37R39	9-25	37	3	51.4*	--	--	--	--	--
Dyna Gro 3390NRR	9-23	41	2	51.4*	62.8	69.2*	57.1	61.1	
DEKALB DKB38-52	9-23	44	2	51.3*	66.2*	61.2	58.8	59.6	
Pioneer 93M80	9-18	46	2	51.2*	--	--	--	--	--
Willcross RR2393NA	9-23	39	2	51.2*	--	--	--	--	--
Midland 9A373NRR	9-20	35	2	51.0*	--	--	--	--	--
Kruger K-355 RR/SCN	9-20	40	1	50.8*	--	--	--	--	--
Willcross RR2354N	9-17	34	2	50.8*	--	--	--	--	--
MFA Morsoy RT 3622N	9-19	39	2	50.8*	--	--	--	--	--
Midland 9A394NRR	9-25	34	2	50.6*	--	--	--	--	--
Willcross RR2383N	9-25	40	0	50.3*	62.4	--	56.4	--	--
Willcross RR2362	9-23	40	3	50.2*	--	--	--	--	--
Merschman Cleveland VIIRR	9-26	36	3	50.1*	--	--	--	--	--
Merschman Washington IXRR	9-23	42	3	50.0*	--	--	--	--	--
Midwest Seed GR3931	9-26	41	3	49.7*	66.8*	66.3	58.3	60.9	
Willcross RR2383NA	9-24	37	1	49.7*	--	--	--	--	--
MFA Morsoy RT 3712N	9-21	39	2	49.4*	63.9*	--	56.7	--	--
Lewis 3875RR	9-22	40	3	49.0*	--	--	--	--	--
Stone HC 2394NRR	9-20	41	2	48.8*	--	--	--	--	--
Kruger K-380 RR/SCN	9-23	42	2	48.8*	61.2	64.4	55.0	58.1	
LG Seeds C3999NRR	9-21	36	3	48.7*	--	--	--	--	--

TABLE 13. Continued.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MPride/MPV 3803 nRR	9-25	37	2	48.6	--	--	--	--
ASGROW AG3801	9-21	33	2	48.3	--	--	--	--
Willcross RR2393N	9-23	42	2	48.0	--	--	--	--
Dyna Gro 34P38	9-23	38	1	47.9	--	--	--	--
Pioneer 93M90	9-20	41	1	47.7	--	--	--	--
Kruger K-355+ RR/SCN	9-23	36	1	47.4	--	--	--	--
Thompson T-3999TRN	9-24	44	2	47.3	--	--	--	--
MFA Morsoy RT 3883N	9-22	41	2	47.3	--	--	--	--
Willcross RR2303N	9-15	35	2	46.9	--	--	--	--
Schillinger 393.RCP	9-21	39	4	46.7	--	--	--	--
NC+ 3A92RR	9-23	39	1	46.4	--	--	--	--
Willcross RR2392NA	9-23	44	3	46.0	--	--	--	--
Prairie Brand PB-3732RR	9-20	36	1	45.9	--	--	--	--
MPride/MPV 3703nRR	9-19	42	3	45.8	--	--	--	--
Taylor EXP 3900RR	9-22	37	2	45.6	--	--	--	--
Stine S4032-4	9-22	36	1	44.8	--	--	--	--
MPride/MPV 3904nRR	9-24	43	4	44.1	--	--	--	--
DEKALB DKB36-51	9-18	41	2	43.2	57.9	61.8	50.6	54.3
Prairie Brand PB-3823RR	9-21	40	2	43.1	--	--	--	--
NK Brand S37-N4	9-22	38	1	42.7	64.6*	--	53.7	--
MPride/MPV 3902NRR	9-16	45	3	42.7	58.7	--	50.7	--
NK Brand S39-K6	9-21	43	2	42.2	60.3	--	51.3	--
Garst/AgriPro 3812 RR/N	9-20	44	2	39.4	63.4*	--	51.4	--
GROUP 3 AVERAGE	9-21	40	2	49.5	61.7	63.2	55.6	58.1
L.S.D. AT .10				7.8	5.7	4.4		
C.V. %				11.0	6.3	5.0		
MATURITY GROUP 4								
Prairie Brand PB-4483NRR	9-25	32	1	61.5**	--	--	--	--
MPride/MPV 4102NRR	9-24	41	2	57.4*	61.6	--	59.5	--
Stine S4882-4	9-30	43	3	56.4*	59.7	--	58.1	--
MFA Morsoy RT 4402N	9-25	39	1	56.4*	--	--	--	--
Thompson T-4722RN	9-26	45	3	56.2*	65.2*	--	60.7	--
Willcross RR2474N	9-27	47	3	55.9*	--	--	--	--
Mersch. Dallas RR	9-29	39	3	55.8*	64.0*	--	59.9	--
LG Seeds C4112NRR	9-23	41	1	55.5*	--	--	--	--
Willcross RR2403N	9-23	41	2	55.1*	68.3*	--	61.7	--
Lewis 4106RR	9-24	35	1	54.7*	--	--	--	--
Thompson T-4522RN	9-27	37	1	54.7*	--	--	--	--
Thompson T-4211RN	9-24	38	1	54.4	63.5*	--	59.0	--
MFA Morsoy RT 4201N	9-24	41	1	54.4	68.0*	63.6*	61.2	62.0
Willcross RR2423NA	9-23	41	2	54.2	--	--	--	--
MPride/MPV 4303nRR	9-25	42	2	53.9	--	--	--	--
Willcross RR2432N	9-28	44	2	53.7	--	--	--	--
Excel Brand 8411NRR	9-25	48	3	53.6	--	--	--	--
MFA Morsoy RT 4202N	9-25	32	1	53.4	--	--	--	--
MFA Morsoy RT 4033	9-26	40	1	53.3	--	--	--	--
Stine S4442-4	9-24	34	1	52.6	62.8	--	57.7	--
Excel Brand 8448NRR	9-23	39	2	52.2	--	--	--	--
Willcross RR2432NA	9-27	46	2	51.9	--	--	--	--

TABLE 13. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MFA Morsoy RT 4802N	9-30	41	3	51.7	--	--	--	--
Willcross RR2423N	9-24	41	2	51.7	63.3*	--	57.5	--
Garst/AgriPro 4512RR/N	9-27	40	2	51.6	57.7	60.9*	54.7	56.7
Schillinger 443.R	9-28	38	1	51.6	--	--	--	--
Golden Harvest H-4368RR	9-26	41	1	51.3	64.7*	--	58.0	--
Mersch. Austin RR	9-23	39	1	50.6	61.5	--	56.1	--
DEKALB DKB46-51	9-28	49	3	50.6	--	--	--	--
MFA Morsoy RT4731N	9-27	47	3	50.5	--	--	--	--
MPride/MPV 4003nRR	9-23	36	1	50.0	--	--	--	--
Willcross RR2443N	9-22	35	1	49.6	--	--	--	--
Mersch. Phoenix IIIRR	9-25	39	2	49.6	62.7	--	56.2	--
Garst/AgriPro 4112RR/N	9-23	40	1	49.3	--	--	--	--
Midland 9A442NRR	9-27	45	3	49.1	53.5	62.0*	51.3	54.9
Fontanelle 421NRR	9-25	42	2	48.6	--	--	--	--
MFA Morsoy RT 4480N	9-26	40	2	48.4	55.9	60.0*	52.2	54.8
Excel Brand 8416NRR	9-24	33	1	48.3	--	--	--	--
Willcross RR2422NSTSA	9-24	41	2	48.2	--	--	--	--
Bio Gene BG4401NRR	9-26	36	1	47.9	--	--	--	--
Midland 9A414NRR	9-25	43	2	47.7	--	--	--	--
Thompson T-4444RN	9-26	49	3	47.6	64.0*	--	55.8	--
ASGROW AG4502	9-26	36	2	47.5	--	--	--	--
ASGROW AG4403	9-27	37	2	47.3	56.5	61.8*	51.9	55.2
Willcross RR2422NSTS	9-27	39	1	46.9	--	--	--	--
Mersch. Denver RRSTS	9-26	51	4	46.7	58.2	60.0*	52.5	55.0
Midwest Seed GR4452	9-26	33	2	45.8	63.8*	66.6*	54.8	58.7
NK Brand S43-B1	9-25	36	3	45.6	--	--	--	--
Prairie Brand PB-4083NRR	9-23	37	3	45.6	--	--	--	--
Excel Brand 8499NRR	9-28	45	3	45.0	--	--	--	--
ASGROW AG4201	9-26	45	3	44.6	69.3*	--	57.0	--
MPride/MPV 4004nRR	9-20	46	3	44.1	--	--	--	--
Willcross RR2473NSTS	9-29	47	4	43.3	--	--	--	--
MPride/MPV 4104nRR	9-23	43	2	42.6	--	--	--	--
GROUP 4 AVERAGE	9-24	41	2	50.9	61.2	60.4	56.1	57.5
L.S.D. AT .10				6.9	6.9	7.4		
C.V. %				9.2	8.1	9.0		
TRIAL AVERAGE		40	2	50.1	61.4	61.9	55.8	57.8

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 14. Performance of Glyphosate Resistant Soybean Varieties evaluated near Grand Pass (Saline County) on the Ryland Utlaut Farm during 2001-2003.

Planted: 16 May 2003
 Harvested: 16 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Haynie Silt Loam
 Soil Test: pH=5.5, OM=1.8, P=96, K=590

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: First Rate, Authority, Frontier, Touchdown
 Post Emergence: Roundup WeatherMax, Basagran, Butyrac, Select, Pinnacle
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=6.1, June=5.8, July=3.6, Aug.=5.6, Sept.=3.7 TOTAL=24.8 in.

Brand-Variety	2003							
	Maturity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 3								
Midland 9A373NRR	9-26	39	3	67.3**	--	--	--	--
Merschman Cleveland VIIRR	9-27	36	3	66.7*	--	--	--	--
Thompson T-3922RN	9-28	38	4	66.6*	--	--	--	--
Golden Harvest H-3945RR	9-27	40	5	65.7*	58.0	--	61.9	--
Willcross RR2362	9-30	29	5	65.4*	--	--	--	--
Willcross RR2392NA	9-28	36	3	64.5*	--	--	--	--
Thompson T-3999TRN	9-27	34	4	64.5*	--	--	--	--
Kruger K-393+ RR/SCN	9-29	42	5	63.5*	--	67.1	--	--
Prairie Brand PB-3823RR	9-26	39	4	62.9*	--	--	--	--
Midland 9E362NRR	9-28	33	2	62.8*	54.5	--	58.7	--
Stine S3932-4	9-27	31	3	62.4*	--	--	--	--
Willcross RR2392N	9-27	34	2	62.3*	--	66.3	--	--
Kruger K-404 RR	9-30	38	3	62.3*	--	--	--	--
Thompson T-3737TRN	9-24	35	2	61.8*	--	--	--	--
Dyna Gro 37R39	9-27	36	5	61.7*	--	--	--	--
Willcross RR2393N	9-27	35	4	61.6*	--	--	--	--
MFA Morsoy RT 3991N	9-28	40	4	61.1*	60.6*	67.6	60.9	63.1
LG Seeds C3999NRR	9-28	36	4	61.1*	--	--	--	--
Willcross RR2383NA	9-28	35	3	61.0*	--	--	--	--
Kruger K-393 RR/SCN	9-28	36	4	60.5*	--	--	--	--
DEKALB DKB38-52	9-27	33	2	60.5*	60.2	69.9*	60.4	63.5
Kruger K-380+ RR/SCN	9-28	39	2	60.4*	--	--	--	--
Stone HC 2394NRR	9-26	34	1	59.6	--	--	--	--
MPride/MPV 3903nRR	9-25	37	4	59.2	--	--	--	--
MFA Morsoy RT 3712N	9-26	39	4	59.2	59.7	--	59.5	--
Dyna Gro 34P38	9-26	38	3	59.1	--	--	--	--
Midland 9A394NRR	9-27	33	3	59.1	--	--	--	--
Lewis 3875RR	9-27	37	5	59.1	--	--	--	--
DEKALB DKB37-51	9-24	36	2	59.1	--	--	--	--
Willcross RR2354N	9-23	32	4	59.0	--	--	--	--
ASGROW AG3801	9-26	35	3	58.9	--	--	--	--
DEKALB DKB36-51	9-22	39	5	58.8	53.6	71.4*	56.2	61.3
Willcross RR2393NA	9-27	34	3	58.8	--	--	--	--
MPride/MPV 3803 nRR	9-28	38	4	58.6	--	--	--	--
Garst/AgriPro 3824RR/N	9-26	34	1	58.5	--	--	--	--
Kruger K-380 RR/SCN	9-27	38	4	58.3	58.5	68.7	58.4	61.8
Kruger K-355+ RR/SCN	9-21	32	3	58.1	--	--	--	--
Midwest Seed GR3732	9-25	34	4	57.9	--	--	--	--
Lewis 3944 RR	9-27	38	3	57.8	59.9	--	58.9	--
MPride/MPV 3904nRR	9-29	38	5	57.7	--	--	--	--

TABLE 14. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Prairie Brand PB-3732RR	9-24	33	2	57.5	--	--	--	--
NK Brand S39-K6	9-27	40	3	57.3	55.4	--	56.4	--
MFA Morsoy RT 3622N	9-24	32	4	57.2	--	--	--	--
Pioneer 93M90	9-26	38	2	57.2	--	--	--	--
Midwest Seed GR3931	9-28	34	3	57.1	61.7*	68.6	59.4	62.5
Schillinger 393.RCP	9-27	32	4	56.7	--	--	--	--
Garst/AgriPro 3812 RR/N	9-24	32	4	56.3	59.9	--	58.1	--
Merschman Washington IXRR	9-27	36	5	56.2	--	--	--	--
Kruger K-355 RR/SCN	9-24	32	4	56.0	--	--	--	--
Stine S4032-4	9-29	39	3	55.7	--	--	--	--
Pioneer 93M80	9-27	39	2	55.7	--	--	--	--
ASGROW AG3905	9-30	37	4	55.6	--	--	--	--
NK Brand S37-N4	10-01	39	3	55.2	54.0	--	54.6	--
MPride/MPV 3902NRR	9-26	36	3	54.9	55.1	--	55.0	--
Taylor EXP 3900RR	9-28	35	3	54.5	--	--	--	--
MPride/MPV 3703nRR	9-22	39	3	54.5	--	--	--	--
MFA Morsoy RT 3883N	9-28	35	4	54.1	--	--	--	--
NC+ 3A92RR	9-26	36	2	53.7	--	--	--	--
Mersch. Roosevelt IIIRR	9-29	37	3	53.4	--	--	--	--
Willcross RR2383N	9-28	35	3	53.4	58.7	--	56.1	--
Willcross RR2303N	9-19	34	3	51.5	--	--	--	--
Kruger K-404+ RR	9-29	32	3	50.5	--	--	--	--
Dyna Gro 3390NRR	9-27	36	3	50.4	61.1*	69.0	55.8	60.2
GROUP 3 AVERAGE	9-26	36	3	58.9	57.3	67.2	58.1	61.1
L.S.D. AT .10				7.4	4.7	5.0		
C.V. %				8.7	5.7	5.1		
MATURITY GROUP 4								
Willcross RR2403N	9-26	34	2	64.1**	57.4	--	60.8	--
Thompson T-4722RN	10-01	38	2	62.8*	57.2	--	60.0	--
Garst/AgriPro 4112RR/N	9-27	31	1	61.9*	--	--	--	--
Mersch. Austin RR	9-30	33	2	60.8*	51.7	--	56.3	--
Excel Brand 8448NRR	9-30	32	2	60.0*	--	--	--	--
Thompson T-4211RN	9-30	32	1	59.6*	55.3	--	57.5	--
Thompson T-4522RN	9-29	34	2	59.6*	--	--	--	--
MPride/MPV 4003nRR	9-24	33	1	59.4*	--	--	--	--
Lewis 4106RR	9-27	33	1	59.1*	--	--	--	--
MFA Morsoy RT 4033	9-26	30	2	59.0*	--	--	--	--
Midland 9A414NRR	9-28	39	3	58.9*	--	--	--	--
MFA Morsoy RT 4402N	9-30	33	2	58.8*	--	--	--	--
Mersch. Phoenix IIIRR	9-27	34	2	58.6*	47.8	--	53.2	--
LG Seeds C4112NRR	9-22	29	1	58.4*	--	--	--	--
Stine S4442-4	9-27	33	1	57.6*	52.5	--	55.1	--
Willcross RR2432NA	9-28	33	2	57.1*	--	--	--	--
MPride/MPV 4102NRR	9-28	32	1	56.7*	54.7	--	55.7	--
MFA Morsoy RT 4201N	10-01	34	2	56.7*	61.7*	73.0**	59.2	63.8
Stine S4882-4	10-04	38	3	56.0*	53.9	--	55.0	--
Willcross RR2423N	9-25	29	1	55.9*	51.0	--	53.5	--
Fontanelle 421NRR	9-29	35	3	55.7	--	--	--	--
ASGROW AG4201	9-26	34	1	55.6	53.3	--	54.5	--

TABLE 14. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Willcross RR2423NA	9-28	35	2	55.6	--	--	--	--
ASGROW AG4502	10-01	39	3	55.5	--	--	--	--
MFA Morsoy RT4731N	10-01	37	3	55.1	--	--	--	--
Willcross RR2422NSTSA	9-30	33	2	55.1	--	--	--	--
Mersch. Dallas RR	10-02	37	5	54.5	52.3	--	53.4	--
Midwest Seed GR4452	10-01	38	2	54.5	53.1	70.6*	53.8	59.4
Schillinger 443.R	10-01	32	3	54.3	--	--	--	--
MPride/MPV 4004nRR	9-24	38	1	54.3	--	--	--	--
ASGROW AG4403	10-02	33	1	54.2	54.6	70.1*	54.4	59.6
Willcross RR2443N	9-27	33	1	53.7	--	--	--	--
MFA Morsoy RT 4802N	10-02	36	4	53.5	--	--	--	--
DEKALB DKB46-51	10-04	34	1	53.2	--	--	--	--
MFA Morsoy RT 4202N	9-26	33	1	53.0	--	--	--	--
Midland 9A442NRR	10-01	36	3	52.9	54.7	71.2*	53.8	59.6
Excel Brand 8416NRR	9-28	35	2	52.7	--	--	--	--
MPride/MPV 4104nRR	9-25	38	3	52.5	--	--	--	--
Excel Brand 8411NRR	9-27	35	2	52.3	--	--	--	--
Mersch. Denver RRSTS	10-01	35	4	52.3	52.6	60.1	52.5	55.0
Prairie Brand PB-4483NRR	9-27	32	3	51.6	--	--	--	--
MFA Morsoy RT 4480N	10-01	35	3	51.5	56.0	70.4*	53.8	59.3
Willcross RR2474N	10-01	35	2	50.8	--	--	--	--
Thompson T-4444RN	9-29	36	4	50.7	55.8	--	53.3	--
Golden Harvest H-4368RR	9-29	35	1	50.6	60.7*	--	55.7	--
NK Brand S43-B1	9-27	33	2	50.3	--	--	--	--
Willcross RR2422NSTS	9-28	35	1	49.8	--	--	--	--
Bio Gene BG4401NRR	10-01	34	2	49.4	--	--	--	--
Willcross RR2432N	10-02	42	3	49.2	--	--	--	--
Excel Brand 8499NRR	10-04	38	4	49.0	--	--	--	--
Garst/AgriPro 4512RR/N	10-02	40	1	49.0	57.1	69.4*	53.1	58.5
Prairie Brand PB-4083NRR	9-26	36	3	48.9	--	--	--	--
Willcross RR2473NSTS	10-04	46	5	46.8	--	--	--	--
MPride/MPV 4303nRR	9-26	33	2	45.5	--	--	--	--
GROUP 4 AVERAGE	9-28	35	2	54.7	54.5	65.1	54.6	58.1
L.S.D. AT .10				8.3	4.4	5.0		
C.V. %				10.6	5.7	5.3		
TRIAL AVERAGE		35	3	56.9	55.7	66.3	56.3	59.6

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 15. Performance of Glyphosate Resistant Soybean Varieties evaluated near Columbia on the Bradford Research & Extension Center (Boone County) during 2001-2003.

Planted: 27 May 2003
 Harvested: 21 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Mexico Silt Loam
 Soil Test: pH=6.4, OM=2.1, P=69, K=394

Fertilizer: N=0; P2O5=46; K2O=62
 Herbicide: Pre: FirstRate, Authority, Dual II, Touchdown
 Post Emergence: Roundup WeatherMax
 Irrigation: 2.7 in.
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 2250 Eggs/250cc of soil
 Growing Season Rainfall: May=5.9, June=5.7, July=1.2, Aug.=4.9, Sept.=6.6 TOTAL=24.3 in.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 3								
Mersch. Roosevelt IIIRR	10-06	29	1	48.0**	--	--	--	--
Willcross RR2362	10-07	22	1	47.3*	--	--	--	--
Stine S3932-4	10-06	23	1	46.0*	--	--	--	--
Willcross RR2383NA	10-04	24	1	44.8*	--	--	--	--
DEKALB DKB37-51	10-02	26	1	44.5*	--	--	--	--
Kruger K-404+ RR	10-05	26	1	43.7*	--	--	--	--
DEKALB DKB38-52	9-30	23	1	43.4*	61.9	64.5*	52.7	56.6
MFA Morsoy RT 3712N	9-29	26	1	43.4*	58.7	--	51.1	--
Kruger K-404 RR	10-06	25	1	43.1*	--	--	--	--
Willcross RR2383N	10-04	21	1	43.1*	61.5	--	52.3	--
Thompson T-3737TRN	10-03	26	1	42.4*	--	--	--	--
MPride/MPV 3703nRR	10-07	26	1	42.0*	--	--	--	--
Kruger K-380+ RR/SCN	10-04	23	1	41.9*	--	--	--	--
DEKALB DKB36-51	9-30	30	1	41.6*	60.8	61.1*	51.2	54.5
MPride/MPV 3902NRR	10-03	32	1	41.5*	59.3	--	50.4	--
MFA Morsoy RT 3622N	10-01	30	1	41.3*	--	--	--	--
Pioneer 93M80	10-05	31	1	41.3*	--	--	--	--
Schillinger 393.RCP	10-05	25	1	40.9	--	--	--	--
Lewis 3944 RR	10-02	26	1	40.9	63.1	--	52.0	--
Taylor EXP 3900RR	10-04	26	1	40.8	--	--	--	--
Thompson T-3999TRN	10-01	26	1	40.4	--	--	--	--
Pioneer 93M90	10-01	26	1	40.3	--	--	--	--
Midland 9E362NRR	10-03	22	1	40.2	62.1	--	51.2	--
NC+ 3A92RR	10-03	22	1	40.2	--	--	--	--
Willcross RR2303N	9-28	22	1	40.1	--	--	--	--
Dyna Gro 37R39	10-05	27	1	39.8	--	--	--	--
Kruger K-380 RR/SCN	10-04	29	1	39.7	61.5	63.6*	50.6	54.9
MFA Morsoy RT 3991N	10-05	26	1	39.5	63.2	63.2*	51.4	55.3
Willcross RR2392NA	10-06	25	1	39.3	--	--	--	--
Lewis 3875RR	9-30	25	1	39.3	--	--	--	--
Merschman Washington IXRR	10-04	26	1	39.1	--	--	--	--
MPride/MPV 3803 nRR	10-05	20	1	38.9	--	--	--	--
Midland 9A394NRR	10-04	26	1	38.7	--	--	--	--
Midland 9A373NRR	10-02	24	1	38.6	--	--	--	--
Midwest Seed GR3732	10-02	26	1	38.5	--	--	--	--
MPride/MPV 3903nRR	10-03	25	1	38.3	--	--	--	--
Kruger K-393 RR/SCN	10-06	25	1	38.1	--	--	--	--
Golden Harvest H-3945RR	10-01	23	1	37.9	63.6	--	50.8	--
Garst/AgriPro 3812 RR/N	10-02	32	1	37.6	62.1	--	49.9	--
ASGROW AG3905	10-01	27	1	37.6	--	--	--	--

TABLE 15. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Willcross RR2392N	10-04	24	1	37.5	--	60.4*	--	--
NK Brand S37-N4	10-03	29	1	36.8	59.3	--	48.1	--
Garst/AgriPro 3824RR/N	10-02	25	1	36.8	--	--	--	--
NK Brand S39-K6	10-02	26	1	36.5	59.4	--	48.0	--
Kruger K-393+ RR/SCN	10-04	25	1	36.5	--	60.8*	--	--
Kruger K-355 RR/SCN	9-30	22	1	36.5	--	--	--	--
Thompson T-3922RN	10-05	23	1	36.5	--	--	--	--
ASGROW AG3801	10-01	22	1	36.5	--	--	--	--
Willcross RR2393NA	10-03	24	1	36.5	--	--	--	--
Prairie Brand PB-3732RR	9-30	23	1	36.4	--	--	--	--
MFA Morsoy RT 3883N	10-05	25	1	36.0	--	--	--	--
Stone HC 2394NRR	10-01	23	1	35.4	--	--	--	--
Willcross RR2393N	10-03	24	1	35.0	--	--	--	--
Stine S4032-4	10-04	22	1	35.0	--	--	--	--
MPride/MPV 3904nRR	9-29	26	1	34.9	--	--	--	--
Kruger K-355+ RR/SCN	10-02	26	1	34.6	--	--	--	--
Dyna Gro 3390NRR	10-04	24	1	34.6	63.1	59.7	48.9	52.5
LG Seeds C3999NRR	10-03	24	1	34.5	--	--	--	--
Willcross RR2354N	10-01	25	1	33.9	--	--	--	--
Merschman Cleveland VIIRR	10-06	21	1	33.3	--	--	--	--
Midwest Seed GR3931	10-03	28	1	32.7	63.2	63.7*	48.0	53.2
Dyna Gro 34P38	10-03	23	1	31.2	--	--	--	--
Prairie Brand PB-3823RR	9-30	24	1	29.8	--	--	--	--
GROUP 3 AVERAGE	10-02	25	1	38.9	58.8	56.7	48.9	51.5
L.S.D. AT .10				6.9	6.5	5.6		
C.V. %				12.1	7.8	7.1		
MATURITY GROUP 4								
Willcross RR2474N	10-06	25	1	55.1**	--	--	--	--
MFA Morsoy RT4731N	10-07	26	1	51.8*	--	--	--	--
MFA Morsoy RT 4802N	10-08	25	1	50.9*	--	--	--	--
Thompson T-4722RN	10-06	30	1	50.6*	62.7	--	56.7	--
Mersch. Dallas RR	10-09	26	1	50.2*	64.6	--	57.4	--
Stine S4882-4	10-08	29	1	49.5	64.9	--	57.2	--
DEKALB DKB46-51	10-07	29	1	47.9	--	--	--	--
Mersch. Phoenix IIIIR	10-08	24	1	47.8	62.3	--	55.1	--
Schillinger 443.R	10-07	24	1	47.7	--	--	--	--
MFA Morsoy RT 4033	10-07	23	1	47.3	--	--	--	--
Mersch. Denver RRSTS	10-06	31	1	47.1	65.5	59.4*	56.3	57.3
Stine S4442-4	10-06	23	1	47.0	66.4	--	56.7	--
Bio Gene BG4401NRR	10-07	29	1	46.6	--	--	--	--
MPride/MPV 4004nRR	10-03	28	1	46.5	--	--	--	--
Excel Brand 8448NRR	10-06	25	1	46.4	--	--	--	--
Lewis 4106RR	10-06	19	1	46.3	--	--	--	--
Mersch. Austin RR	10-07	22	1	46.3	65.1	--	55.7	--
Excel Brand 8411NRR	10-05	30	1	46.3	--	--	--	--
Willcross RR2473NSTS	10-09	34	1	45.9	--	--	--	--
ASGROW AG4502	10-05	29	1	45.9	--	--	--	--
Garst/AgriPro 4512RR/N	10-07	29	1	45.5	69.2*	57.7*	57.4	57.5
Midwest Seed GR4452	10-06	30	1	45.5	68.3*	59.2*	56.9	57.7

TABLE 15. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MFA Morsoy RT 4201N	10-06	20	1	45.4	64.9	45.3	55.2	51.9
ASGROW AG4201	10-08	26	1	45.4	64.2	--	54.8	--
Fontanelle 421NRR	10-06	22	1	45.2	--	--	--	--
MFA Morsoy RT 4480N	10-07	31	1	45.1	70.2*	59.3*	57.7	58.2
Willcross RR2423N	10-05	20	1	45.0	61.1	--	53.1	--
NK Brand S43-B1	10-06	28	1	44.4	--	--	--	--
MFA Morsoy RT 4202N	10-08	23	1	44.1	--	--	--	--
Thompson T-4211RN	10-06	23	1	43.9	62.5	--	53.2	--
Golden Harvest H-4368RR	10-05	24	1	43.8	59.9	--	51.9	--
MPride/MPV 4303nRR	10-06	24	1	43.5	--	--	--	--
Willcross RR2432N	10-08	28	1	43.3	--	--	--	--
Prairie Brand PB-4083NRR	10-05	25	1	43.3	--	--	--	--
ASGROW AG4403	10-06	27	1	43.2	69.3*	60.6*	56.3	57.7
Midland 9A442NRR	10-05	26	1	42.9	73.1**	56.0	58.0	57.3
MPride/MPV 4102NRR	10-06	22	1	42.8	60.8	--	51.8	--
Midland 9A414NRR	10-04	24	1	42.7	--	--	--	--
Thompson T-4522RN	10-07	20	1	42.5	--	--	--	--
Thompson T-4444RN	10-05	28	1	42.3	69.2*	--	55.8	--
Willcross RR2422NSTSA	10-07	22	1	42.2	--	--	--	--
Excel Brand 8416NRR	10-06	23	1	42.0	--	--	--	--
MPride/MPV 4104nRR	10-03	29	1	41.8	--	--	--	--
LG Seeds C4112NRR	10-04	19	1	41.3	--	--	--	--
Willcross RR2422NSTS	10-06	22	1	41.3	--	--	--	--
Willcross RR2443N	10-06	24	1	41.0	--	--	--	--
MFA Morsoy RT 4402N	10-06	25	1	40.3	--	--	--	--
Willcross RR2403N	10-05	22	1	39.3	59.0	--	49.2	--
Willcross RR2432NA	10-07	28	1	38.8	--	--	--	--
Prairie Brand PB-4483NRR	10-06	26	1	38.6	--	--	--	--
Willcross RR2423NA	10-06	27	1	38.5	--	--	--	--
Excel Brand 8499NRR	10-10	32	1	37.9	--	--	--	--
MPride/MPV 4003nRR	10-06	18	1	37.7	--	--	--	--
Garst/AgriPro 4112RR/N	10-04	19	1	37.4	--	--	--	--
GROUP 4 AVERAGE	10-05	25	1	44.5	63.0	56.5	53.8	54.7
L.S.D. AT .10				5.5	5.9	6.7		
C.V. %				8.4	6.7	8.5		
TRIAL AVERAGE		25	1	41.5	61.1	56.6	51.3	53.1

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 16. Performance of Glyphosate Resistant Soybean Varieties evaluated near Truxton (Montgomery County) on the Roy Cope Farm during 2001-2003.

Planted: 23 May 2003
 Harvested: 13 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Mexico Silt Loam
 Soil Test: pH=5.8, OM=2.6, P=91, K=263

Fertilizer: N=0; P2O5=0; K2O=30
 Herbicide: Pre: Dual II,FirstRate,Authority,Touchdown
 Post Emergence: Roundup WeatherMax,Basagran,Select
 Irrigation: None
 Previous Crop: Corn
 Tillage: No-Till

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=4.6, June=4.6, July=2.0, Aug.=3.0, Sept.=5.4 TOTAL=19.6 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 3							
MFA Morsoy RT 3883N	9-30	30	1	54.3**	--	--	--	--
LG Seeds C3999NRR	9-29	28	1	51.1*	--	--	--	--
MPride/MPV 3903nRR	9-29	26	1	50.4*	--	--	--	--
Kruger K-393 RR/SCN	9-28	29	1	49.8*	--	--	--	--
Merschman Washington IXRR	9-27	30	1	48.9*	--	--	--	--
MPride/MPV 3703nRR	9-26	26	1	48.5	--	--	--	--
Merschman Cleveland VIIR	10-04	27	1	48.3	--	--	--	--
MFA Morsoy RT 3712N	9-25	29	1	47.7	41.5	--	44.6	--
Kruger K-380+ RR/SCN	9-27	26	1	47.6	--	--	--	--
Kruger K-404 RR	10-02	27	1	47.5	--	--	--	--
Lewis 3875RR	9-30	30	1	47.4	--	--	--	--
Kruger K-355 RR/SCN	9-24	28	1	47.4	--	--	--	--
Willcross RR2393NA	9-29	31	1	46.7	--	--	--	--
Midwest Seed GR3732	9-26	28	1	46.6	--	--	--	--
Garst/AgriPro 3812 RR/N	9-28	35	1	46.6	42.9*	--	44.8	--
Golden Harvest H-3945RR	9-25	27	1	46.6	41.1	--	43.9	--
Willcross RR2393N	10-02	30	1	46.5	--	--	--	--
MFA Morsoy RT 3991N	9-30	30	1	46.4	44.8*	66.6**	45.6	52.6
MFA Morsoy RT 3622N	9-29	29	1	46.4	--	--	--	--
Kruger K-380 RR/SCN	9-26	28	1	45.8	41.3	65.1*	43.6	50.7
MPride/MPV 3902NRR	9-28	31	1	45.6	43.0*	--	44.3	--
Mersch. Roosevelt IIIR	10-04	31	1	45.4	--	--	--	--
Willcross RR2362	10-03	26	1	45.2	--	--	--	--
NK Brand S37-N4	10-01	32	1	45.1	42.8*	--	44.0	--
Thompson T-3922RN	9-30	29	1	45.0	--	--	--	--
Willcross RR2392NA	10-01	30	1	44.6	--	--	--	--
Dyna Gro 3390NRR	9-26	28	1	44.4	41.2	62.0*	42.8	49.2
Dyna Gro 37R39	10-01	29	1	44.1	--	--	--	--
Taylor EXP 3900RR	9-29	28	1	43.8	--	--	--	--
Schillinger 393.RCP	9-30	31	1	43.8	--	--	--	--
Kruger K-355+ RR/SCN	9-26	27	1	43.6	--	--	--	--
Kruger K-404+ RR	10-03	28	1	43.5	--	--	--	--
Willcross RR2354N	9-25	28	1	43.3	--	--	--	--
Midland 9A373NRR	9-24	27	1	43.1	--	--	--	--
Midland 9A394NRR	10-01	30	1	42.9	--	--	--	--
Willcross RR2383N	10-02	25	1	42.9	37.2	--	40.1	--
Lewis 3944 RR	9-24	26	1	42.8	41.0	--	41.9	--
Thompson T-3999TRN	9-26	27	1	42.6	--	--	--	--
Kruger K-393+ RR/SCN	9-27	30	1	42.5	--	64.7*	--	--
Pioneer 93M90	9-27	30	1	42.0	--	--	--	--

TABLE 16. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	NK Brand S39-K6	10-03	28	1	41.9	40.7	--	41.3
DEKALB DKB36-51	9-23	30	1	41.8	42.0*	58.9	41.9	47.6
Willcross RR2383NA	10-03	26	1	41.7	--	--	--	--
Stine S3932-4	10-02	25	1	41.6	--	--	--	--
DEKALB DKB37-51	9-25	26	1	41.5	--	--	--	--
MPride/MPV 3803 nRR	10-03	25	1	41.5	--	--	--	--
MPride/MPV 3904nRR	10-02	29	1	41.2	--	--	--	--
DEKALB DKB38-52	10-02	25	1	40.9	39.9	63.0*	40.4	47.9
ASGROW AG3905	10-01	30	1	40.7	--	--	--	--
Garst/AgriPro 3824RR/N	9-28	28	1	40.5	--	--	--	--
Willcross RR2303N	9-23	26	1	40.4	--	--	--	--
Stine S4032-4	10-01	28	1	40.2	--	--	--	--
Midwest Seed GR3931	10-01	30	1	40.1	42.0*	63.6*	41.1	48.6
Prairie Brand PB-3823RR	9-26	29	1	40.1	--	--	--	--
Pioneer 93M80	9-28	31	1	39.7	--	--	--	--
Thompson T-3737TRN	9-25	26	1	39.6	--	--	--	--
NC+ 3A92RR	9-28	25	1	39.0	--	--	--	--
Prairie Brand PB-3732RR	9-25	27	1	38.5	--	--	--	--
Midland 9E362NRR	10-01	25	1	38.2	40.3	--	39.3	--
ASGROW AG3801	9-26	26	1	36.9	--	--	--	--
Willcross RR2392N	10-01	25	1	34.9	--	65.6*	--	--
Dyna Gro 34P38	9-29	28	1	34.8	--	--	--	--
Stone HC 2394NRR	9-27	27	1	34.2	--	--	--	--
GROUP 3 AVERAGE	9-28	28	1	43.6	39.4	58.6	41.5	47.2
L.S.D. AT .10				5.6	3.1	4.8		
C.V. %				9.1	5.5	5.9		
MATURITY GROUP 4								
MFA Morsoy RT4731N	10-08	33	1	51.5**	--	--	--	--
DEKALB DKB46-51	10-07	28	1	50.5*	--	--	--	--
MFA Morsoy RT 4202N	10-04	27	1	49.2*	--	--	--	--
Willcross RR2423NA	10-04	26	1	48.3*	--	--	--	--
Thompson T-4522RN	10-06	25	1	47.7*	--	--	--	--
Willcross RR2422NSTSA	10-06	27	1	47.6*	--	--	--	--
MFA Morsoy RT 4402N	10-04	28	1	47.4*	--	--	--	--
Mersch. Phoenix IIIR	10-01	30	1	47.0*	37.1	--	42.1	--
Mersch. Denver RRSTS	10-05	36	1	46.8*	41.7	62.5	44.3	50.3
MFA Morsoy RT 4802N	10-09	32	1	46.6*	--	--	--	--
MFA Morsoy RT 4201N	10-02	26	1	46.5*	40.7	64.2	43.6	50.5
Thompson T-4722RN	10-06	30	1	46.4*	47.3*	--	46.9	--
Willcross RR2474N	10-08	30	1	46.2*	--	--	--	--
NK Brand S43-B1	10-03	30	1	46.1*	--	--	--	--
Fontanelle 421NRR	10-04	28	1	45.8	--	--	--	--
Excel Brand 8499NRR	10-09	34	1	45.6	--	--	--	--
MFA Morsoy RT 4033	10-05	27	1	45.1	--	--	--	--
Stine S4442-4	10-04	26	1	44.8	41.6	--	43.2	--
Stine S4882-4	10-08	32	1	44.6	44.5*	--	44.6	--
Midwest Seed GR4452	10-06	30	1	44.5	40.0	62.4	42.3	49.0
Willcross RR2422NSTS	10-05	28	1	43.9	--	--	--	--
Excel Brand 8411NRR	10-03	30	1	43.9	--	--	--	--

TABLE 16. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MFA Morsoy RT 4480N	10-05	30	1	43.9	44.8*	65.4	44.4
MPride/MPV 4004nRR	9-27	34	1	43.8	--	--	--	--
Schillinger 443.R	10-06	24	1	43.8	--	--	--	--
ASGROW AG4201	10-03	30	1	43.7	43.1	--	43.4	--
Prairie Brand PB-4083NRR	10-01	27	1	43.6	--	--	--	--
Golden Harvest H-4368RR	10-03	27	1	43.6	38.2	--	40.9	--
Willcross RR2473NSTS	10-08	33	1	43.4	--	--	--	--
Mersch. Austin RR	10-03	30	1	42.9	42.4	--	42.7	--
Mersch. Dallas RR	10-06	29	1	42.8	42.1	--	42.5	--
Thompson T-4444RN	10-05	30	1	42.6	42.7	--	42.7	--
ASGROW AG4502	10-03	30	1	42.6	--	--	--	--
Willcross RR2443N	10-03	26	1	42.5	--	--	--	--
Midland 9A442NRR	10-05	26	1	42.4	47.5**	62.5	45.0	50.8
Willcross RR2432NA	10-06	30	1	42.4	--	--	--	--
MPride/MPV 4104nRR	9-28	32	1	42.2	--	--	--	--
ASGROW AG4403	10-06	30	1	41.5	41.4	67.1	41.5	50.0
Bio Gene BG4401NRR	10-04	26	1	41.1	--	--	--	--
Excel Brand 8448NRR	10-04	29	1	40.9	--	--	--	--
Lewis 4106RR	10-01	26	1	40.8	--	--	--	--
Excel Brand 8416NRR	10-01	24	1	40.5	--	--	--	--
Willcross RR2423N	10-04	25	1	40.3	41.5	--	40.9	--
Willcross RR2403N	10-01	27	1	40.2	43.6	--	41.9	--
MPride/MPV 4102NRR	10-03	29	1	40.0	34.3	--	37.2	--
Thompson T-4211RN	10-04	27	1	39.1	42.2*	--	40.7	--
LG Seeds C4112NRR	9-30	26	1	38.8	--	--	--	--
Midland 9A414NRR	10-02	30	1	38.8	--	--	--	--
MPride/MPV 4003nRR	10-03	24	1	38.4	--	--	--	--
Willcross RR2432N	10-05	30	1	38.3	--	--	--	--
Garst/AgriPro 4512RR/N	10-06	28	1	37.4	41.0	63.2	39.2	47.2
Prairie Brand PB-4483NRR	9-30	24	1	36.6	--	--	--	--
MPride/MPV 4303nRR	10-03	25	1	35.5	--	--	--	--
Garst/AgriPro 4112RR/N	10-01	24	1	34.0	--	--	--	--
GROUP 4 AVERAGE	10-03	28	1	43.2	41.0	62.8	42.1	49.0
L.S.D. AT .10				5.4	3.3	4.0		
C.V. %				8.7	5.7	4.4		
TRIAL AVERAGE		28	1	43.4	40.2	60.5	41.8	48.1

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 17. Performance of Glyphosate Resistant Soybean Varieties evaluated near Annada (Pike County) on the Bob Burkemper Farm during 2001-2003.

Planted: 22 May 2003
 Harvested: 16 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Tice Silt Loam
 Soil Test: pH=5.1, OM=2.3, P=68, K=226

Fertilizer: N=0; P2O5=46; K2O=120
 Herbicide: Pre: FirstRate, Authority, Dual II, Touchdown
 Post Emergence: Ultra Blazer, Select
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=8.3, June=9.7, July=2.4, Aug.=4.7, Sept.=3.5 TOTAL=28.6 in.

Brand-Variety	2003							Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			2 Yr.	3 Yr.	
				2003	2002	2001			
MATURITY GROUP 3									
Midland 9A373NRR	9-23	40	2	61.9**	--	--	--	--	--
DEKALB DKB37-51	9-24	40	2	59.0*	--	--	--	--	--
Midwest Seed GR3732	9-23	40	4	59.0*	--	--	--	--	--
Pioneer 93M80	9-25	45	2	58.9*	--	--	--	--	--
Willcross RR2303N	9-21	40	2	58.6*	--	--	--	--	--
Prairie Brand PB-3732RR	9-23	37	2	58.4*	--	--	--	--	--
Lewis 3875RR	9-26	42	3	57.9*	--	--	--	--	--
ASGROW AG3801	9-25	40	3	57.9*	--	--	--	--	--
Dyna Gro 37R39	9-26	42	2	57.6*	--	--	--	--	--
Willcross RR2393N	9-26	43	4	57.4*	--	--	--	--	--
Kruger K-380 RR/SCN	9-24	44	3	57.4*	57.4	73.8**	57.4	62.9	
Willcross RR2393NA	9-26	42	3	57.1	--	--	--	--	--
Thompson T-3922RN	9-27	41	2	56.7	--	--	--	--	--
NC+ 3A92RR	9-24	45	2	56.5	--	--	--	--	--
Merschman Washington IXRR	9-26	42	4	56.3	--	--	--	--	--
LG Seeds C3999NRR	9-27	42	3	56.1	--	--	--	--	--
MPride/MPV 3903nRR	9-24	43	2	56.0	--	--	--	--	--
Pioneer 93M90	9-25	48	1	55.9	--	--	--	--	--
Thompson T-3999TRN	9-24	38	1	55.8	--	--	--	--	--
ASGROW AG3905	9-27	42	1	55.8	--	--	--	--	--
NK Brand S37-N4	9-28	49	3	55.6	61.8	--	58.7	--	--
MFA Morsoy RT 3991N	9-24	43	3	55.5	78.4**	70.9*	67.0	68.3	
MFA Morsoy RT 3883N	9-26	42	3	54.4	--	--	--	--	--
Willcross RR2392NA	9-23	45	2	54.3	--	--	--	--	--
MFA Morsoy RT 3712N	9-21	39	3	54.2	68.9*	--	61.6	--	--
Kruger K-355 RR/SCN	9-20	37	3	53.9	--	--	--	--	--
Midwest Seed GR3931	9-29	45	2	53.8	64.4	71.0*	59.1	63.1	
Willcross RR2383NA	9-24	37	3	53.7	--	--	--	--	--
Taylor EXP 3900RR	9-25	42	3	53.6	--	--	--	--	--
Lewis 3944 RR	9-23	42	3	53.6	60.0	--	56.8	--	--
Golden Harvest H-3945RR	9-22	42	2	53.1	62.0	--	57.6	--	--
Garst/AgriPro 3812 RR/N	9-25	49	3	53.0	70.0*	--	61.5	--	--
Thompson T-3737TRN	9-24	42	3	53.0	--	--	--	--	--
Stine S3932-4	9-27	40	2	52.7	--	--	--	--	--
Midland 9A394NRR	9-27	42	3	52.5	--	--	--	--	--
DEKALB DKB38-52	9-24	42	1	52.5	68.1	68.9*	60.3	63.2	
Kruger K-380+ RR/SCN	9-24	43	2	52.0	--	--	--	--	--
MFA Morsoy RT 3622N	9-19	42	2	52.0	--	--	--	--	--
Kruger K-393 RR/SCN	9-27	42	2	51.9	--	--	--	--	--
Kruger K-355+ RR/SCN	9-22	39	4	51.7	--	--	--	--	--

TABLE 17. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Kruger K-393+ RR/SCN	9-26	42	4	51.6	--	71.1*	--	--
MPride/MPV 3904nRR	9-28	47	4	51.4	--	--	--	--
Willcross RR2354N	9-23	36	1	51.2	--	--	--	--
Midland 9E362NRR	9-26	36	1	51.0	71.1*	--	61.1	--
MPride/MPV 3703nRR	9-22	43	3	50.6	--	--	--	--
Willcross RR2362	9-25	38	3	50.4	--	--	--	--
Willcross RR2383N	9-25	39	1	50.3	66.0	--	58.2	--
Stine S4032-4	9-25	47	2	50.3	--	--	--	--
Garst/AgriPro 3824RR/N	9-22	42	3	50.2	--	--	--	--
MPride/MPV 3803 nRR	9-25	42	2	50.1	--	--	--	--
Mersch. Roosevelt IIIRR	9-22	42	4	49.5	--	--	--	--
Dyna Gro 3390NRR	9-24	41	2	49.4	59.3	71.5*	54.4	60.1
Dyna Gro 34P38	9-25	41	2	49.3	--	--	--	--
DEKALB DKB36-51	9-22	43	3	49.2	55.2	64.9	52.2	56.4
Willcross RR2392N	9-21	42	1	49.0	--	71.2*	--	--
Prairie Brand PB-3823RR	9-25	43	4	48.8	--	--	--	--
Kruger K-404 RR	9-23	37	2	48.4	--	--	--	--
Stone HC 2394NRR	9-25	39	2	48.4	--	--	--	--
Schillinger 393.RCP	9-24	41	4	48.2	--	--	--	--
Kruger K-404+ RR	9-26	36	1	47.9	--	--	--	--
Merschman Cleveland VIIRR	9-25	40	4	47.4	--	--	--	--
NK Brand S39-K6	9-25	42	2	46.4	59.8	--	53.1	--
MPride/MPV 3902NRR	9-25	46	3	45.7	62.5	--	54.1	--
GROUP 3 AVERAGE	9-23	42	3	53.2	63.7	65.9	58.5	60.9
L.S.D. AT .10				4.7	9.8	5.8		
C.V. %				6.2	10.9	6.2		
MATURITY GROUP 4								
Lewis 4106RR	10-01	43	1	63.7**	--	--	--	--
MFA Morsoy RT 4201N	9-27	44	2	62.6*	74.6*	73.4*	68.6	70.2
MFA Morsoy RT 4202N	9-29	39	1	62.1*	--	--	--	--
Excel Brand 8416NRR	9-25	38	1	60.2*	--	--	--	--
Willcross RR2423N	10-01	42	2	59.7*	65.3	--	62.5	--
Golden Harvest H-4368RR	9-27	42	2	59.5*	65.3	--	62.4	--
Willcross RR2423NA	10-02	41	2	59.4*	--	--	--	--
Willcross RR2422NSTSA	10-05	43	1	59.3*	--	--	--	--
MPride/MPV 4303nRR	10-02	40	1	59.1*	--	--	--	--
Mersch. Phoenix IIIRR	9-27	41	2	58.5*	61.5	--	60.0	--
Willcross RR2474N	10-03	48	2	58.5*	--	--	--	--
Fontanelle 421NRR	10-03	42	2	58.5*	--	--	--	--
Garst/AgriPro 4112RR/N	9-27	39	1	58.2	--	--	--	--
Willcross RR2443N	9-29	40	1	58.2	--	--	--	--
Excel Brand 8448NRR	10-01	38	2	58.0	--	--	--	--
Willcross RR2422NSTS	9-30	40	1	57.7	--	--	--	--
ASGROW AG4502	10-04	48	2	57.7	--	--	--	--
Thompson T-4211RN	10-01	40	1	57.7	69.0*	--	63.4	--
Mersch. Austin RR	10-01	42	1	57.1	61.2	--	59.2	--
MFA Morsoy RT 4402N	9-29	40	2	57.0	--	--	--	--
MPride/MPV 4003nRR	9-24	40	1	57.0	--	--	--	--
Stine S4442-4	9-29	38	1	56.8	70.2*	--	63.5	--

TABLE 17. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MPride/MPV 4102NRR	9-29	40	1	56.7	62.6	--	59.7	--
Prairie Brand PB-4083NRR	9-30	44	2	56.2	--	--	--	--
MPride/MPV 4004nRR	9-27	47	2	56.1	--	--	--	--
LG Seeds C4112NRR	9-24	37	1	55.9	--	--	--	--
Prairie Brand PB-4483NRR	9-27	40	1	55.6	--	--	--	--
Thompson T-4722RN	10-05	44	2	55.3	64.4	--	59.9	--
MFA Morsoy RT4731N	10-04	50	4	55.1	--	--	--	--
Schillinger 443.R	10-01	42	2	55.1	--	--	--	--
Willcross RR2403N	9-27	40	1	55.0	54.1	--	54.6	--
Willcross RR2432NA	10-02	48	2	54.5	--	--	--	--
DEKALB DKB46-51	10-06	46	3	53.6	--	--	--	--
Garst/AgriPro 4512RR/N	10-01	47	3	52.9	61.3	73.2*	57.1	62.5
Thompson T-4522RN	10-01	40	2	52.3	--	--	--	--
MFA Morsoy RT 4033	9-26	39	1	52.1	--	--	--	--
Midland 9A414NRR	9-25	45	1	51.3	--	--	--	--
ASGROW AG4201	9-30	48	3	51.2	60.1	--	55.7	--
Midwest Seed GR4452	10-03	48	2	51.1	57.6	68.6	54.4	59.1
Excel Brand 8499NRR	10-08	48	4	51.0	--	--	--	--
MFA Morsoy RT 4802N	10-09	47	3	49.5	--	--	--	--
Stine S4882-4	10-03	47	3	49.4	68.3	--	58.9	--
Midland 9A442NRR	10-03	47	2	49.3	70.8*	70.7*	60.1	63.6
Willcross RR2432N	10-03	53	3	49.2	--	--	--	--
Mersch. Denver RRSTS	10-08	52	4	48.8	58.7	67.1	53.8	58.2
MPride/MPV 4104nRR	9-29	49	3	48.5	--	--	--	--
Thompson T-4444RN	10-02	48	2	47.9	56.3	--	52.1	--
Excel Brand 8411NRR	9-26	51	2	47.9	--	--	--	--
Mersch. Dallas RR	10-03	48	2	47.8	64.0	--	55.9	--
Willcross RR2473NSTS	10-08	48	4	47.4	--	--	--	--
ASGROW AG4403	10-03	47	2	46.9	58.9	65.6	52.9	57.1
NK Brand S43-B1	9-28	43	3	46.4	--	--	--	--
MFA Morsoy RT 4480N	10-02	47	2	46.4	73.6*	70.4*	60.0	63.5
Bio Gene BG4401NRR	9-30	44	2	46.1	--	--	--	--
GROUP 4 AVERAGE	9-30	44	2	54.4	63.0	65.5	58.7	61.0
L.S.D. AT .10				5.2	8.9	5.0		
C.V. %				6.6	10.0	5.4		
TRIAL AVERAGE		43	2	53.8	63.3	65.7	58.5	60.9

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 18. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Central Missouri locations (Henrietta, Grand Pass, Columbia, Truxton, Annada) during 2003.

<u>Henrietta</u> Planted: 14 May 2003 Harvested: 15 October 2003 Growing Season Rainfall: 19.4 in.	<u>Grand Pass</u> Planted: 16 May 2003 Harvested: 16 October 2003 Growing Season Rainfall: 24.8 in.	<u>Columbia</u> Planted: 27 May 2003 Harvested: 21 October 2003 Growing Season Rainfall: 24.3 in. Irrigation: 2.7 in.
<u>Truxton</u> Planted: 23 May 2003 Harvested: 13 October 2003 Growing Season Rainfall: 19.6 in.	<u>Annada</u> Planted: 22 May 2003 Harvested: 16 October 2003 Growing Season Rainfall: 28.6 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
MATURITY GROUP 3						
Midland 9A373NRR	51.0*	67.3**	38.6	43.1	61.9**	52.4**
Thompson T-3922RN	55.1*	66.6*	36.5	45.0	56.7	52.0*
Willcross RR2362	50.2*	65.4*	47.3*	45.2	50.4	51.7*
DEKALB DKB37-51	53.3*	59.1	44.5*	41.5	59.0*	51.5*
MFA Morsoy RT 3991N	54.2*	61.1*	39.5	46.4	55.5	51.3*
Golden Harvest H-3945RR	53.4*	65.7*	37.9	46.6	53.1	51.3*
Kruger K-393 RR/SCN	56.1*	60.5*	38.1	49.8*	51.9	51.3*
Kruger K-380+ RR/SCN	54.3*	60.4*	41.9*	47.6	52.0	51.2*
Kruger K-404 RR	54.8*	62.3*	43.1*	47.5	48.4	51.2*
Midwest Seed GR3732	53.6*	57.9	38.5	46.6	59.0*	51.1*
MPride/MPV 3903nRR	51.4*	59.2	38.3	50.4*	56.0	51.1*
Stine S3932-4	52.2*	62.4*	46.0*	41.6	52.7	51.0*
Dyna Gro 37R39	51.4*	61.7*	39.8	44.1	57.6*	50.9*
MFA Morsoy RT 3712N	49.4*	59.2	43.4*	47.7	54.2	50.8*
Lewis 3875RR	49.0*	59.1	39.3	47.4	57.9*	50.5*
LG Seeds C3999NRR	48.7*	61.1*	34.5	51.1*	56.1	50.3*
Willcross RR2383NA	49.7*	61.0*	44.8*	41.7	53.7	50.2*
Thompson T-3999TRN	47.3	64.5*	40.4	42.6	55.8	50.1*
Merschman Washington IXRR	50.0*	56.2	39.1	48.9*	56.3	50.1*
Willcross RR2393NA	51.2*	58.8	36.5	46.7	57.1	50.0*
Kruger K-380 RR/SCN	48.8*	58.3	39.7	45.8	57.4*	50.0*
Willcross RR2392NA	46.0	64.5*	39.3	44.6	54.3	49.7*
DEKALB DKB38-52	51.3*	60.5*	43.4*	40.9	52.5	49.7*
Willcross RR2393N	48.0	61.6*	35.0	46.5	57.4*	49.7*
Thompson T-3737TRN	51.5*	61.8*	42.4*	39.6	53.0	49.6*
Mersch. Roosevelt IIIR	51.5*	53.4	48.0**	45.4	49.5	49.6*
MFA Morsoy RT 3622N	50.8*	57.2	41.3*	46.4	52.0	49.5*
Lewis 3944 RR	52.0*	57.8	40.9	42.8	53.6	49.4*
Pioneer 93M80	51.2*	55.7	41.3*	39.7	58.9*	49.4*
ASGROW AG3905	56.4**	55.6	37.6	40.7	55.8	49.2
MFA Morsoy RT 3883N	47.3	54.1	36.0	54.3**	54.4	49.2
Kruger K-393+ RR/SCN	51.9*	63.5*	36.5	42.5	51.6	49.2
Merschman Cleveland VIIR	50.1*	66.7*	33.3	48.3	47.4	49.2
Midland 9E362NRR	53.5*	62.8*	40.2	38.2	51.0	49.1
Kruger K-355 RR/SCN	50.8*	56.0	36.5	47.4	53.9	48.9
Midland 9A394NRR	50.6*	59.1	38.7	42.9	52.5	48.8
Pioneer 93M90	47.7	57.2	40.3	42.0	55.9	48.6
Garst/AgriPro 3824RR/N	55.5*	58.5	36.8	40.5	50.2	48.3
MPride/MPV 3703nRR	45.8	54.5	42.0*	48.5	50.6	48.3
Willcross RR2383N	50.3*	53.4	43.1*	42.9	50.3	48.0

Table 18. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Henrietta	Grand Pass	Columbia	Truxton	Annada	Mean
ASGROW AG3801	48.3	58.9	36.5	36.9	57.9*	47.7
Taylor EXP 3900RR	45.6	54.5	40.8	43.8	53.6	47.6
Willcross RR2354N	50.8*	59.0	33.9	43.3	51.2	47.6
Kruger K-404+ RR	52.4*	50.5	43.7*	43.5	47.9	47.6
MPride/MPV 3803 nRR	48.6	58.6	38.9	41.5	50.1	47.5
Willcross RR2303N	46.9	51.5	40.1	40.4	58.6*	47.5
Prairie Brand PB-3732RR	45.9	57.5	36.4	38.5	58.4*	47.3
Schillinger 393.RCP	46.7	56.7	40.9	43.8	48.2	47.3
Willcross RR2392N	52.4*	62.3*	37.5	34.9	49.0	47.2
NC+ 3A92RR	46.4	53.7	40.2	39.0	56.5	47.2
NK Brand S37-N4	42.7	55.2	36.8	45.1	55.6	47.1
Kruger K-355+ RR/SCN	47.4	58.1	34.6	43.6	51.7	47.1
DEKALB DKB36-51	43.2	58.8	41.6*	41.8	49.2	46.9
Midwest Seed GR3931	49.7*	57.1	32.7	40.1	53.8	46.7
Garst/AgriPro 3812 RR/N	39.4	56.3	37.6	46.6	53.0	46.6
MPride/MPV 3902NRR	42.7	54.9	41.5*	45.6	45.7	46.1
Dyna Gro 3390NRR	51.4*	50.4	34.6	44.4	49.4	46.0
MPride/MPV 3904nRR	44.1	57.7	34.9	41.2	51.4	45.9
Stone HC 2394NRR	48.8*	59.6	35.4	34.2	48.4	45.3
Stine S4032-4	44.8	55.7	35.0	40.2	50.3	45.2
Prairie Brand PB-3823RR	43.1	62.9*	29.8	40.1	48.8	44.9
NK Brand S39-K6	42.2	57.3	36.5	41.9	46.4	44.9
Dyna Gro 34P38	47.9	59.1	31.2	34.8	49.3	44.4
GROUP 3 AVERAGE	49.5	58.9	38.9	43.6	53.2	48.8
L.S.D. AT .10	7.8	7.4	6.9	5.6	4.7	2.9
C.V. %	11.0	8.7	12.1	9.1	6.2	9.4
MATURITY GROUP 4						
Thompson T-4722RN	56.2*	62.8*	50.6*	46.4*	55.3	54.2*
Willcross RR2474N	55.9*	50.8	55.1**	46.2*	58.5*	53.3*
MFA Morsoy RT 4201N	54.4	56.7*	45.4	46.5*	62.6*	53.1*
Lewis 4106RR	54.7*	59.1*	46.3	40.8	63.7**	52.9*
MFA Morsoy RT4731N	50.5	55.1	51.8*	51.5**	55.1	52.8*
MFA Morsoy RT 4202N	53.4	53.0	44.1	49.2*	62.1*	52.4*
Mersch. Phoenix IIIRR	49.6	58.6*	47.8	47.0*	58.5*	52.3*
MFA Morsoy RT 4402N	56.4*	58.8*	40.3	47.4*	57.0	52.0*
Stine S4442-4	52.6	57.6*	47.0	44.8	56.8	51.8*
Mersch. Austin RR	50.6	60.8*	46.3	42.9	57.1	51.5*
Excel Brand 8448NRR	52.2	60.0*	46.4	40.9	58.0	51.5*
Thompson T-4522RN	54.7*	59.6*	42.5	47.7*	52.3	51.4*
MFA Morsoy RT 4033	53.3	59.0*	47.3	45.1	52.1	51.4*
Willcross RR2423NA	54.2	55.6	38.5	48.3*	59.4*	51.2
Stine S4882-4	56.4*	56.0*	49.5	44.6	49.4	51.2
DEKALB DKB46-51	50.6	53.2	47.9	50.5*	53.6	51.2
Thompson T-4211RN	54.4	59.6*	43.9	39.1	57.7	50.9
Fontanelle 421NRR	48.6	55.7	45.2	45.8	58.5*	50.8
Willcross RR2403N	55.1*	64.1**	39.3	40.2	55.0	50.7
MPride/MPV 4102NRR	57.4*	56.7*	42.8	40.0	56.7	50.7
Willcross RR2423N	51.7	55.9*	45.0	40.3	59.7*	50.5
Schillinger 443.R	51.6	54.3	47.7	43.8	55.1	50.5
Willcross RR2422NSTSA	48.2	55.1	42.2	47.6*	59.3*	50.5
MFA Morsoy RT 4802N	51.7	53.5	50.9*	46.6*	49.5	50.4
Mersch. Dallas RR	55.8*	54.5	50.2*	42.8	47.8	50.2

Table 18. Continued.

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
LG Seeds C4112NRR	55.5*	58.4*	41.3	38.8	55.9	50.0
ASGROW AG4502	47.5	55.5	45.9	42.6	57.7	49.8
Golden Harvest H-4368RR	51.3	50.6	43.8	43.6	59.5*	49.8
Willcross RR2443N	49.6	53.7	41.0	42.5	58.2	49.0
MPride/MPV 4004nRR	44.1	54.3	46.5	43.8	56.1	49.0
Willcross RR2432NA	51.9	57.1*	38.8	42.4	54.5	48.9
Excel Brand 8411NRR	53.6	52.3	46.3	43.9	47.9	48.8
Prairie Brand PB-4483NRR	61.5**	51.6	38.6	36.6	55.6	48.8
Excel Brand 8416NRR	48.3	52.7	42.0	40.5	60.2*	48.7
MPride/MPV 4003nRR	50.0	59.4*	37.7	38.4	57.0	48.5
Mersch. Denver RRSTS	46.7	52.3	47.1	46.8*	48.8	48.3
Midwest Seed GR4452	45.8	54.5	45.5	44.5	51.1	48.3
Garst/AgriPro 4112RR/N	49.3	61.9*	37.4	34.0	58.2	48.2
ASGROW AG4201	44.6	55.6	45.4	43.7	51.2	48.1
Willcross RR2422NSTS	46.9	49.8	41.3	43.9	57.7	47.9
Midland 9A414NRR	47.7	58.9*	42.7	38.8	51.3	47.9
Prairie Brand PB-4083NRR	45.6	48.9	43.3	43.6	56.2	47.5
MPride/MPV 4303nRR	53.9	45.5	43.5	35.5	59.1*	47.5
Midland 9A442NRR	49.1	52.9	42.9	42.4	49.3	47.3
Garst/AgriPro 4512RR/N	51.6	49.0	45.5	37.4	52.9	47.3
MFA Morsoy RT 4480N	48.4	51.5	45.1	43.9	46.4	47.1
Willcross RR2432N	53.7	49.2	43.3	38.3	49.2	46.7
ASGROW AG4403	47.3	54.2	43.2	41.5	46.9	46.6
NK Brand S43-B1	45.6	50.3	44.4	46.1*	46.4	46.6
Bio Gene BG4401NRR	47.9	49.4	46.6	41.1	46.1	46.2
Thompson T-4444RN	47.6	50.7	42.3	42.6	47.9	46.2
Excel Brand 8499NRR	45.0	49.0	37.9	45.6	51.0	45.7
MPride/MPV 4104nRR	42.6	52.5	41.8	42.2	48.5	45.5
Willcross RR2473NSTS	43.3	46.8	45.9	43.4	47.4	45.4
GROUP 4 AVERAGE	50.9	54.7	44.5	43.2	54.4	49.5
L.S.D. AT .10	6.9	8.3	5.5	5.4	5.2	2.8
C.V. %	9.2	10.6	8.4	8.7	6.6	8.7
TRIAL AVERAGE	50.1	56.9	41.5	43.4	53.8	49.1

** Highest yielding variety in the maturity group.

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

TABLE 19. Performance of Special Trait Soybean Varieties evaluated near Henrietta (Ray County) on the John Williams Farm during 2003.

Planted: 14 May 2003	Fertilizer: N=0; P2O5=0; K2O=0
Harvested: 15 October 2003	Herbicide: Pre: First Rate, Authority, Frontier, Touchdown
Seeding Rate: 174,200 Seeds/A	Post Emergence: Select, Flexstar, FirstRate
Row Spacing: 30 inches	Irrigation: None
Soil Type: Haynie Silt Loam	Previous Crop: Corn
Soil Test: pH=6.1, OM=1.7, P=49, K=429	Tillage: Minimum

Cyst Nematode Population at Planting: 2500 Eggs/250cc of soil
 Growing Season Rainfall: May=3.0, June=4.8, July=0.4, Aug.=8.0, Sept.=3.2 TOTAL=19.4 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre) 2003	Means			
		Mat-urity Date	Plant Height (In)	Lodging Score (1-5)		2 Yr.	3 Yr.		
MATURITY GROUP 4									
High Yield Check 2		9-23	42	1	53.7**	--	--	--	--
High Yield Check 4		9-27	39	1	52.8*	--	--	--	--
High Yield Check 5		9-29	42	1	45.8	--	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-24	44	3	45.6	--	--	--	--
Schillinger SSX 42262Y	Tofu	9-18	41	3	37.7	--	--	--	--
GROUP 4 AVERAGE		9-23	42	2	47.1	--	--	--	--
L.S.D. AT .10					5.3				
C.V. %					9.0				

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 20. Performance of Special Trait Soybean Varieties evaluated near Grand Pass (Saline County) on the Ryland Utlaut Farm during 2003.

Planted: 16 May 2003	Fertilizer: N=0; P2O5=0; K2O=0
Harvested: 16 October 2003	Herbicide: Pre: First Rate, Authority, Frontier, Touchdown
Seeding Rate: 174,200 Seeds/A	Post Emergence: Basagran, Butyrac, Select, Pinnacle, Ultra Blazer
Row Spacing: 30 inches	Irrigation: None
Soil Type: Haynie Silt Loam	Previous Crop: Corn
Soil Test: pH=5.5, OM=1.8, P=96, K=590	Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=6.1, June=5.8, July=3.6, Aug.=5.6, Sept.=3.7 TOTAL=24.8 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre)		Means	
		Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003		2 Yr.	3 Yr.
MATURITY GROUP 4								
High Yield Check 4		9-26	44	4	67.6**	--	--	--
High Yield Check 2		9-25	45	4	66.3*	--	--	--
High Yield Check 5		9-29	50	3	60.6*	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-26	46	4	53.7	--	--	--
Schillinger SSX 42262Y	Tofu	9-25	37	3	47.3	--	--	--
GROUP 4 AVERAGE		9-25	44	4	59.1	--	--	--
L.S.D. AT .10					9.5			
C.V. %					12.8			

-- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.

TABLE 21. Performance of Special Trait Soybean Varieties evaluated near Columbia on the Bradford Research & Extension Center (Boone County) during 2003.

Planted: 27 May 2003
 Harvested: 21 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Mexico Silt Loam
 Soil Test: pH=6.4, OM=2.1, P=69, K=394

Fertilizer: N=0; P2O5=46; K2O=62
 Herbicide: Pre: FirstRate, Authority, Dual II, Touchdown
 Post Emergence: Classic
 Irrigation: 2.7 in.
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 2250 Eggs/250cc of soil
 Growing Season Rainfall: May=5.9, June=5.7, July=1.2, Aug.=4.9, Sept.=6.6 TOTAL=24.3 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre)		Means	
		Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003		2 Yr.	3 Yr.
MATURITY GROUP 4								
High Yield Check 5		10-04	31	1	36.8**	--	--	--
High Yield Check 2		10-03	24	1	34.5*	--	--	--
High Yield Check 4		10-03	22	1	31.1	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-29	26	1	24.4	--	--	--
Schillinger SSX 42262Y	Tofu	9-26	26	1	19.9	--	--	--
GROUP 4 AVERAGE		9-30	26	1	29.3	--	--	--
L.S.D. AT .10					3.4			
C.V. %					9.3			

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 22. Performance of Special Trait Soybean Varieties evaluated near Truxton (Montgomery County) on the Roy Cope Farm during 2003.

Planted: 23 May 2003
 Harvested: 13 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Mexico Silt Loam
 Soil Test: pH=5.8, OM=2.6, P=91, K=263

Fertilizer: N=0; P2O5=0; K2O=30
 Herbicide: Pre: Dual II,FirstRate,Authority,Touchdown
 Post Emergence: Basagran,Select
 Irrigation: None
 Previous Crop: Corn
 Tillage: No-Till

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=4.6, June=4.6, July=2.0, Aug.=3.0, Sept.=5.4 TOTAL=19.6 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre)		Means		
		Maturity Date	Plant Height (In)	Lodging Score (1-5)	2003		2 Yr.	3 Yr.	
MATURITY GROUP 4									
High Yield Check 2		9-26	30	1	50.2**	--	--	--	--
High Yield Check 4		10-03	28	1	48.9*	--	--	--	--
High Yield Check 5		10-05	31	1	48.6*	--	--	--	--
Schillinger SSX 42262Y	Tofu	9-30	32	1	37.9	--	--	--	--
Schillinger SSX 44252P	Protein/Tofu	10-01	29	1	37.4	--	--	--	--
GROUP 4 AVERAGE		9-30	30	1	44.6	--	--	--	--
L.S.D. AT .10					3.9				
C.V. %					6.9				

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 23. Performance of Special Trait Soybean Varieties evaluated near Annada (Pike County) on the Bob Burkemper Farm during 2003.

Planted: 22 May 2003	Fertilizer: N=0; P2O5=46; K2O=120
Harvested: 16 October 2003	Herbicide: Pre: FirstRate, Authority, Dual II, Touchdown
Seeding Rate: 174,200 Seeds/A.	Post Emergence: Ultra Blazer, Select
Row Spacing: 30 Inches	Irrigation: None
Soil Type: Tice Silt Loam	Previous Crop: Corn
Soil Test: pH=5.1, OM=2.3, P=68, K=226	Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=8.3, June=9.7, July=2.4, Aug.=4.7, Sept.=3.5 TOTAL=28.6 in.

Brand-Variety	Special Traits	2003			Yield (Bu / Acre)		Means		
		Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003		2 Yr.	3 Yr.	
MATURITY GROUP 4									
High Yield Check 4		10-01	42	1	58.6**	--	--	--	--
High Yield Check 2		9-24	44	2	56.1*	--	--	--	--
High Yield Check 5		10-03	53	3	49.6	--	--	--	--
Schillinger SSX 44252P	Protein/Tofu	9-25	45	2	42.8	--	--	--	--
Schillinger SSX 42262Y	Tofu	9-24	43	4	42.7	--	--	--	--
GROUP 4 AVERAGE		9-26	45	2	50.0	--	--	--	--
L.S.D. AT .10					4.1				
C.V. %					6.6				

-- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.

TABLE 24. Performance Summary for Special Traits Varieties evaluated at Five Central Missouri locations (Henrietta, Grand Pass, Columbia, Truxton, Annada) during 2003.

<u>Henrietta</u> Planted: 14 May 2003 Harvested: 16 October 2003 Growing Season Rainfall: 19.4 in.	<u>Grand Pass</u> Planted: 16 May 2003 Harvested: 16 October 2003 Growing Season Rainfall: 24.8 in.	<u>Columbia</u> Planted: 27 May 2003 Harvested: 21 October 2003 Growing Season Rainfall: 24.3 in. Irrigation: 2.7 in.
<u>Truxton</u> Planted: 23 May 2003 Harvested: 13 October 2003 Growing Season Rainfall: 19.6 in.	<u>Annada</u> Planted: 22 May 2003 Harvested: 16 October 2003 Growing Season Rainfall: 28.6 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Henrietta	Grand Pass	Columbia	Truxton	Annada	
MATURITY GROUP 4						
High Yield Check 2	53.7**	66.3*	34.5*	50.2**	56.1*	52.2**
High Yield Check 4	52.8*	67.6**	31.1	48.9*	58.6**	51.8*
High Yield Check 5	45.8	60.6*	36.8**	48.6*	49.6	48.3
Schillinger SSX 44252P	45.6	53.7	24.4	37.4	42.8	40.8
Schillinger SSX 42262Y	37.7	47.3	19.9	37.9	42.7	37.1
GROUP 4 AVERAGE	47.1	59.1	29.3	44.6	50.0	46.0
L.S.D. AT .10	5.3	9.5	3.4	3.9	4.1	2.4
C.V. %	9.0	12.8	9.3	6.9	6.6	8.9

** Highest yielding variety in the maturity group.

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

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

TABLE 25. Performance of Soybean Varieties evaluated near Harrisonville (Cass County) on the Doug Roth Farm during 2003 and near Garden City (Cass County) on the Bill Cook Farm during 2001-2002.

Planted: 18 June 2003
 Harvested: 23 Oct., 6 Nov. 2003
 Seeding Rate: 174,200 Seed/A
 Row Spacing: 30 inches
 Soil Type: Blackoar Silt Loam
 Soil Test: pH=6.5 , OM=2.1 , P=103, K=412

Fertilizer: N= 0; P2O5= 0; K2O= 0
 Herbicide: Pre: Dual II Mag, FirstRate, Authority, CanopyXL
 Post Emergence:
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=5.4 , June=6.8 , July=1.0 , Aug.=6.6 , Sept.=2.9 TOTAL=22.7 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 5							
Anand	10-22	36	4	55.9**	33.6	51.4**	44.8	47.0

** Highest yielding variety in the maturity group.

TABLE 26. Performance of Standard Soybean Varieties evaluated near Adrian (Bates County) on the Darrel Tenholder farm during 2003 and near Butler (Bates County) on the Dale Bettles farm during 2001-2002.

Planted: 29 May 2003
 Harvested: 23 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Kenoma Silt Loam
 Soil Test: pH= 6.0, OM= 2.5, P= 80, K= 282

Fertilizer: N= 0; P2O5= 0; K2O= 0
 Herbicide: Pre: Dual II Mag, FirstRate, Authority
 Post Emergence: Galaxy
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May= 5.4, June= 3.5, July= 1.8, Aug.= 2.3, Sept.= 4.9 TOTAL=17.9 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 5							
Anand	10-17	25	1	54.3**	12.3	35.7	33.3	34.1

** Highest yielding variety in the maturity group.

TABLE 27. Performance of Soybean Varieties evaluated near Urich (Henry County) on the Kurt Gretzinger Farm during 2001-2003.

Planted: 11 June 2003
 Harvested: 29 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Hartwell Silt Loam
 Soil Test: pH=6.4 , OM=2.4 , P=54 , K=360

Fertilizer: N= 0; P2O5= 0; K2O= 0
 Herbicide: Pre: FirstRate,Authority,Dual II ,Touchdown
 Post Emergence: None
 Irrigation: None
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 2250 Eggs/250cc of soil
 Growing Season Rainfall: May=4.3 , June=3.0 , July=1.2 , Aug.=7.3 , Sept.=4.3 TOTAL=20.1 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 5							
Anand	10-17	25	1	45.0**	23.0**	49.2	34.0	39.1

** Highest yielding variety in the maturity group.

TABLE 28. Performance of Soybean Varieties evaluated near Nevada (Vernon County) on the Steve Cubbage Farm during 2001-2003.

Planted: 29 May 2003
 Harvested: 22 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Parsons Silt Loam
 Soil Test: pH=5.9 , OM=2.2 , P=57 , K=366

Fertilizer: N=20; P2O5=60; K2O=90
 Herbicide: Pre: FirstRate,Authority,Dual II Mag
 Post Emergence: Fusion
 Irrigation: 4 in.
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 500 Eggs/250cc of soil
 Growing Season Rainfall: May=5.3 , June=3.3 , July=1.0 , Aug.=9.2 , Sept.=5.9 TOTAL=24.7 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 5							
Anand	10-14	29	1	57.4**	56.3**	63.7**	56.9	59.1

** Highest yielding variety in the maturity group.

TABLE 29. Performance of Soybean Varieties evaluated near Lamar (Barton County) on the Wally Norton Farm during 2001-2003.

Planted: 30 May 2003	Fertilizer: N=0; P2O5=0; K2O=0
Harvested: 23 October 2003	Herbicide: Pre: Dual II Mag, FirstRate, Authority, RUUM
Seeding Rate: 174,200 Seeds/A.	Post Emergence: Ultra Blazer
Row Spacing: 30 inches	Irrigation: None
Soil Type: Parsons Silt Loam	Previous Crop: Corn
Soil Test: pH= 6.2, OM= 1.6, P= 54, K= 195	Tillage: Minimum

Cyst Nematode Population at Planting: 500 Eggs/250cc of soil
 Growing Season Rainfall: May=5.8 , June=3.8 , July=2.0 , Aug.=5.2 , Sept.=5.7 TOTAL=22.5 in.

Brand-Variety	2003						Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			2 Yr.	3 Yr.
				2003	2001	2000		
MATURITY GROUP 5								
Anand	10-12	25	1	30.2**	32.4*	19.4	31.3	27.3

** Highest yielding variety in the maturity group.

TABLE 30. Performance Summary for Standard Varieties evaluated at Five Southwest Missouri locations (Harrisonville, Adrian, Urich, Nevada, Lamar) during 2003.

<u>Harrisonville</u> Planted: 18 June 2003 Harvested: 23 Oct., 6 Nov. 2003 Growing Season Rainfall: 22.7 in.	<u>Adrian</u> Planted: 29 May 2003 Harvested: 23 October 2003 Growing Season Rainfall: 17.9 in.	<u>Urich</u> Planted: 11 June 2003 Harvested: 29 October 2003 Growing Season Rainfall: 20.1 in.
<u>Nevada</u> Planted: 29 May 2003 Harvested: 22 October 2003 Growing Season Rainfall: 24.7 in. Irrigation: 4 in.	<u>Lamar</u> Planted: 30 May 2003 Harvested: 23 October 2003 Growing Season Rainfall: 22.5 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
MATURITY GROUP 5						
Anand	55.9**	54.3**	45.0**	57.4**	30.2**	48.6**

** Highest yielding variety in the maturity group.

TABLE 31. Performance of Glyphosate Resistant Soybean Varieties evaluated near Harrisonville (Cass County) on the Doug Roth Farm during 2003 and near Garden City (Cass County) on the Bill Cook Farm during 2001-2002.

Planted: 18 June 2003
 Harvested: 23 Oct., 6 Nov. 2003
 Seeding Rate: 174,200 Seed/A
 Row Spacing: 30 inches
 Soil Type: Blackoar Silt Loam
 Soil Test: pH=6.5 , OM=2.1 , P=103, K=412

Fertilizer: N= 0; P2O5= 0; K2O= 0
 Herbicide: Pre: Dual II Mag, FirstRate, Authority, CanopyXL
 Post Emergence: None
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May=5.4 , June=6.8 , July=1.0 , Aug.=6.6 , Sept.=2.9 TOTAL=22.7 in.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 4								
MPride/MPV 4303nRR	10-06	31	1	59.8**	--	--	--	--
Pioneer 93M90##	10-06	41	1	58.0*	--	--	--	--
Delta King 4461RR	10-12	38	2	57.7*	--	--	--	--
Delta King 4763RR	10-12	39	3	57.5*	--	--	--	--
MFA Morsoy RT4731N	10-12	40	3	57.1*	47.7	--	52.4	--
Stine S4542-4	10-12	39	4	57.0*	--	--	--	--
Dyna Gro 3390NRR##	10-04	38	2	57.0*	48.7	52.1*	52.9	52.6
Garst/AgriPro 3824RR/N##	10-01	37	1	56.9*	--	--	--	--
Mersch. Dallas RR	10-12	38	2	56.9*	40.7	--	48.8	--
DEKALB DKB38-52##	10-04	35	1	56.6*	49.6*	52.8*	53.1	53.0
Midland 9A442NRR	10-10	36	3	56.4*	48.3	51.6*	52.4	52.1
MFA Morsoy RT 4802N	10-14	35	1	56.1	--	--	--	--
MFA Morsoy RT 4480N	10-10	37	2	56.1	44.1	49.5*	50.1	49.9
DEKALB DKB46-51	10-12	42	4	55.6	--	--	--	--
Dyna Gro 3443NRR	10-10	37	2	55.6	43.4	49.9*	49.5	49.6
MFA Morsoy RT 4402N	10-12	34	2	55.5	--	--	--	--
Mersch. Austin RR	10-10	33	2	55.5	--	--	--	--
Taylor 444RR	10-12	37	1	55.4	--	--	--	--
ASGROW AG4603	10-11	34	4	55.3	44.1	--	49.7	--
Midland 9A432NRS	10-12	37	3	55.0	--	--	--	--
Stine S4842-4	10-12	37	5	55.0	--	--	--	--
ASGROW AG3801##	10-04	32	2	54.5	--	--	--	--
NK Brand S43-B1	10-12	37	3	54.3	--	--	--	--
Garst/AgriPro 3812 RR/N##	10-04	38	3	54.0	--	--	--	--
Dyna Gro 3481NRR	10-14	40	4	54.0	--	--	--	--
MPride/MPV 4904nRR	10-19	40	3	53.9	--	--	--	--
Garst/AgriPro 4512RR/N	10-12	38	3	53.7	44.0	52.8*	48.9	50.2
ASGROW AG3905##	10-04	41	3	53.7	--	--	--	--
Stine S4102-4	10-06	31	1	53.5	--	--	--	--
Delta King 4967RR	10-14	38	4	53.4	--	--	--	--
ASGROW AG4403	10-12	37	2	53.3	45.5	51.0*	49.4	49.9
Schillinger 393.RCP##	10-09	35	4	53.3	--	--	--	--
Pioneer 93M80##	10-06	36	3	53.3	--	--	--	--
NK Brand S46-W8	10-12	43	4	53.2	--	--	--	--
Dyna Gro 34P38##	10-06	35	2	53.2	--	--	--	--
Mersch. Denver RRSTS	10-10	39	5	53.2	37.3	--	45.3	--
Midland 9A483NRR	10-14	44	5	52.7	--	--	--	--
Dyna Gro 37R39##	10-06	37	4	52.3	--	--	--	--
Midland 9A462NRS	10-12	38	5	52.2	40.7	42.8	46.5	45.2
MFA Morsoy RT 4993N	10-12	39	4	52.2	--	--	--	--

TABLE 31. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Pioneer 94B74	10-12	40	4	52.1	39.7	--	45.9	--
NK Brand S49-Q9	10-17	37	3	51.9	--	--	--	--
GROUP 4 AVERAGE	10-09	37	3	54.9	44.0	46.1	49.5	48.3
L.S.D. AT .10				3.6	3.1	4.5		
C.V. %				4.7	4.8	7.0		
MATURITY GROUP 5								
MPride/MPV 5504nRR	10-25	37	5	57.9**	--	--	--	--
MFA Morsoy RT5252N	10-22	35	4	56.4	38.9*	--	47.7	--
MFA Morsoy RT5442N	10-25	36	5	56.1	40.1**	--	48.1	--
ASGROW AG5301	10-25	38	5	55.6	37.5*	--	46.6	--
MPride/MPV 5502NRR	10-25	35	3	55.2	29.6	--	42.4	--
MPride/MPV 5302NRR	10-22	37	3	52.6	36.0	--	44.3	--
GROUP 5 AVERAGE	10-23	36	4	55.6	36.5	44.3	46.1	45.5
L.S.D. AT .10				NS	3.5	3.4		
C.V. %				9.8	6.3	5.1		
TRIAL AVERAGE		37	3	55.0	42.3	45.6	48.6	47.6

-- 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.

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

TABLE 32. Performance of Glyphosate Resistant Soybean Varieties evaluated near Adrian (Bates County) on the Darrel Tenholder Farm during 2003 and near Butler (Bates County) on the Dale Bettles Farm during 2001-2002.

Planted: 29 May 2003
 Harvested: 23 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Kenoma Silt Loam
 Soil Test: pH= 6.0, OM= 2.5, P= 80, K= 282

Fertilizer: N= 0; P2O5= 0; K2O= 0
 Herbicide: Pre: Dual II Mag,FirstRate,Authority
 Post Emergence: Galaxy
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 0 Eggs/250cc of soil
 Growing Season Rainfall: May= 5.4, June= 3.5, July= 1.8, Aug.= 2.3, Sept.= 4.9 TOTAL=17.9 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 4							
MFA Morsoy RT4731N	10-04	31	1	49.1**	13.7*	--	31.4	--
NK Brand S49-Q9	10-12	33	1	48.9*	--	--	--	--
MFA Morsoy RT 4993N	10-06	28	1	48.4*	--	--	--	--
Dyna Gro 3481NRR	10-06	34	1	48.1*	--	--	--	--
Stine S4842-4	10-09	34	1	47.7*	--	--	--	--
Delta King 4461RR	10-04	31	1	46.8*	--	--	--	--
ASGROW AG4403	10-04	29	1	46.5*	16.7*	51.5*	31.6	38.2
MFA Morsoy RT 4480N	9-29	32	1	45.9*	12.9*	53.4*	29.4	37.4
Mersch. Denver RRSTS	10-04	35	1	45.6*	11.3	--	28.5	--
Dyna Gro 3443NRR	10-04	30	1	45.1*	13.0*	52.2*	29.1	36.8
MPride/MPV 4904nRR	10-12	32	1	45.0*	--	--	--	--
Delta King 4967RR	10-06	32	1	44.6*	--	--	--	--
MFA Morsoy RT 4802N	10-04	27	1	44.5*	--	--	--	--
Midland 9A442NRR	10-01	29	1	44.4*	12.0	49.9*	28.2	35.4
Taylor 444RR	10-04	31	1	44.3*	--	--	--	--
Garst/AgriPro 4512RR/N	10-01	28	1	43.7	12.4	49.9*	28.1	35.3
Midland 9A483NRR	10-09	35	1	43.5	--	--	--	--
DEKALB DKB38-52###	9-22	26	1	43.0	14.6*	44.0	28.8	33.9
Garst/AgriPro 3812 RR/N###	9-22	33	1	42.9	--	--	--	--
Stine S4102-4	9-28	24	1	42.8	--	--	--	--
DEKALB DKB46-51	10-01	34	1	42.7	--	--	--	--
Midland 9A432NRS	10-04	31	1	42.5	--	--	--	--
Mersch. Dallas RR	10-01	30	1	42.3	9.7	--	26.0	--
Delta King 4763RR	10-04	28	1	42.1	--	--	--	--
NK Brand S46-W8	9-28	31	1	42.0	--	--	--	--
MFA Morsoy RT 4402N	9-27	26	1	41.4	--	--	--	--
ASGROW AG4603	10-04	29	1	41.4	15.0*	--	28.2	--
Stine S4542-4	10-06	31	1	41.3	--	--	--	--
Pioneer 94B74	9-27	27	1	41.2	12.1	--	26.7	--
Dyna Gro 37R39###	9-25	27	1	40.8	--	--	--	--
Pioneer 93M80##	9-22	31	1	40.2	--	--	--	--
ASGROW AG3905##	9-22	26	1	39.5	--	--	--	--
ASGROW AG3801##	9-22	25	1	39.4	--	--	--	--
Mersch. Austin RR	9-28	25	1	38.8	--	--	--	--
Midland 9A462NRS	10-01	33	1	38.6	14.8*	46.1	26.7	33.2
Pioneer 93M90##	9-21	30	1	37.6	--	--	--	--
Dyna Gro 3390NRR##	9-22	21	1	37.2	9.4	44.2	23.3	30.3
MPride/MPV 4303nRR	9-22	26	1	36.8	--	--	--	--
NK Brand S43-B1	9-25	28	1	35.9	--	--	--	--
Dyna Gro 34P38##	9-21	25	1	33.9	--	--	--	--

TABLE 32. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Garst/AgriPro 3824RR/N##	9-21	27	1	33.3	--	--	--	--
Schillinger 393.RCP##	9-17	21	1	30.4	--	--	--	--
GROUP 4 AVERAGE	9-29	29	1	42.1	12.8	45.6	27.5	33.5
L.S.D. AT .10				5.3	6.1	4.6		
C.V. %				8.6	32.6	7.1		
MATURITY GROUP 5								
MPride/MPV 5302NRR	10-14	29	1	53.3**	28.2**	--	40.8	--
MPride/MPV 5502NRR	10-19	30	1	52.8	23.4	--	38.1	--
MFA Morsoy RT5442N	10-20	26	1	52.1	26.3*	--	39.2	--
ASGROW AG5301	10-19	28	1	50.8	27.4*	--	39.1	--
MPride/MPV 5504nRR	10-19	29	1	50.4	--	--	--	--
MFA Morsoy RT5252N	10-12	26	1	50.2	19.6	--	34.9	--
GROUP 5 AVERAGE	10-16	28	1	51.6	23.8	39.4	37.7	38.3
L.S.D. AT .10				NS	4.2	3.8		
C.V. %				5.3	11.6	6.6		
TRIAL AVERAGE		29	1	43.3	15.3	44.1	29.3	34.2

-- 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.

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

TABLE 33. Performance of Glyphosate Resistant Soybean Varieties evaluated near Urich (Henry County) on the Kurt Gretzinger Farm during 2001-2003.

Planted: 11 June 2003
 Harvested: 29 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Hartwell Silt Loam
 Soil Test: pH=6.4 , OM=2.4 , P=54 , K=360

Fertilizer: N= 0; P2O5= 0; K2O= 0
 Herbicide: Pre: FirstRate,Authority,Dual II ,Touchdown
 Post Emergence: None
 Irrigation: None
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 2250 Eggs/250cc of soil
 Growing Season Rainfall: May=4.3 , June=3.0 , July=1.2 , Aug.=7.3 , Sept.=4.3 TOTAL=20.1 in.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 4								
MFA Morsoy RT4731N	10-14	29	1	46.5**	22.9	--	34.7	--
MFA Morsoy RT 4993N	10-14	28	1	46.4*	--	--	--	--
DEKALB DKB46-51	10-12	25	1	45.9*	--	--	--	--
Delta King 4763RR	10-12	26	1	44.8*	--	--	--	--
Delta King 4967RR	10-14	27	1	44.2*	--	--	--	--
Stine S4542-4	10-12	30	1	43.1*	--	--	--	--
Dyna Gro 3443NRR	10-10	28	1	43.0*	23.2*	55.9*	33.1	40.7
MPride/MPV 4904nRR	10-13	31	1	42.9*	--	--	--	--
Taylor 444RR	10-10	26	1	42.5*	--	--	--	--
Stine S4842-4	10-12	32	1	42.5*	--	--	--	--
ASGROW AG4603	10-12	24	1	42.2*	18.4	--	30.3	--
Midland 9A483NRR	10-12	30	1	41.9	--	--	--	--
Garst/AgriPro 4512RR/N	10-12	25	1	41.5	23.3*	50.3	32.4	38.4
Mersch. Denver RRSTS	10-10	29	1	41.3	20.3	--	30.8	--
MFA Morsoy RT 4480N	10-10	28	1	41.3	19.3	59.3**	30.3	40.0
Mersch. Dallas RR	10-12	25	1	40.9	16.2	--	28.6	--
NK Brand S49-Q9	10-14	28	1	40.3	--	--	--	--
ASGROW AG4403	10-10	28	1	40.3	25.0*	45.5	32.7	36.9
Dyna Gro 3481NRR	10-12	25	1	39.7	--	--	--	--
Midland 9A442NRR	10-12	25	1	39.0	21.4	54.2*	30.2	38.2
Delta King 4461RR	10-12	26	1	39.0	--	--	--	--
NK Brand S46-W8	10-04	30	1	38.8	--	--	--	--
Midland 9A462NRS	10-10	30	1	38.7	17.7	47.8	28.2	34.7
Garst/AgriPro 3812 RR/N##	10-04	26	1	38.4	--	--	--	--
MFA Morsoy RT 4802N	10-10	26	1	38.1	--	--	--	--
ASGROW AG3905##	10-01	25	1	37.6	--	--	--	--
Dyna Gro 37R39##	10-06	26	1	37.5	--	--	--	--
Pioneer 94B74	10-12	31	1	37.2	16.7	--	27.0	--
Midland 9A432NRS	10-06	24	1	36.9	--	--	--	--
NK Brand S43-B1	10-04	23	1	36.6	--	--	--	--
Mersch. Austin RR	10-04	22	1	35.7	--	--	--	--
Pioneer 93M80##	10-04	28	1	35.2	--	--	--	--
Schillinger 393.RCP##	10-04	25	1	35.2	--	--	--	--
Pioneer 93M90##	10-04	24	1	34.5	--	--	--	--
MFA Morsoy RT 4402N	10-10	22	1	33.0	--	--	--	--
Stine S4102-4	10-04	21	1	32.5	--	--	--	--
DEKALB DKB38-52##	10-01	27	1	32.2	29.1**	52.0*	30.7	37.8
Garst/AgriPro 3824RR/N##	9-28	21	1	31.7	--	--	--	--
Dyna Gro 3390NRR##	10-04	26	1	30.5	22.0	50.8	26.3	34.4
ASGROW AG3801##	10-04	23	1	29.5	--	--	--	--

TABLE 33. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MPrize/MPV 4303nRR	10-04	23	1	28.0	--	--	--
Dyna Gro 34P38##	9-28	20	1	27.7	--	--	--	--
GROUP 4 AVERAGE	10-07	26	1	38.4	20.6	47.6	29.5	35.5
L.S.D. AT .10				4.3	5.9	8.0		
C.V. %				7.9	19.8	12.1		
MATURITY GROUP 5								
MPrize/MPV 5502NRR	10-20	30	1	55.7**	21.8	--	38.8	--
MPrize/MPV 5302NRR	10-19	25	1	54.7*	27.3**	--	41.0	--
MFA Morsoy RT5442N	10-21	24	1	53.7*	23.8*	--	38.8	--
MPrize/MPV 5504nRR	10-21	32	1	51.8*	--	--	--	--
ASGROW AG5301	10-20	22	1	49.4	22.5	--	36.0	--
MFA Morsoy RT5252N	10-15	32	1	48.8	25.4*	--	37.1	--
GROUP 5 AVERAGE	10-18	28	1	52.3	22.9	47.0	37.6	40.7
L.S.D. AT .10				4.4	4.2	4.5		
C.V. %				6.8	13.5	6.9		
TRIAL AVERAGE		26	1	40.2	21.1	47.4	30.7	36.3

-- Data not available.

** Highest yielding variety in the maturity group.

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

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

TABLE 34. Performance of Glyphosate Resistant Soybean Varieties evaluated near Nevada (Vernon County) on the Steve Cabbage Farm during 2001-2003.

Planted: 29 May 2003
 Harvested: 22 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Parsons Silt Loam
 Soil Test: pH=5.9 , OM=2.2 , P=57 , K=366

Fertilizer: N=20; P2O5=60; K2O=90
 Herbicide: Pre: FirstRate, Authority, Dual II Mag
 Post Emergence: Roundup WeatherMax, Fusion
 Irrigation: 4 in.
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 500 Eggs/250cc of soil
 Growing Season Rainfall: May=5.3 , June=3.3 , July=1.0 , Aug.=9.2 , Sept.=5.9 TOTAL=24.7 in.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 4								
NK Brand S49-Q9	10-10	30	1	49.4**	--	--	--	--
Delta King 4763RR	10-04	27	1	49.0*	--	--	--	--
Dyna Gro 3481NRR	10-06	28	1	48.5*	--	--	--	--
ASGROW AG4603	10-04	27	1	48.0*	53.8	--	50.9	--
Delta King 4967RR	10-06	26	1	47.3*	--	--	--	--
Stine S4542-4	10-06	30	1	46.7*	--	--	--	--
MFA Morsoy RT 4802N	10-04	29	1	46.6*	--	--	--	--
Mersch. Dallas RR	10-04	27	1	46.3*	61.0*	--	53.7	--
Midland 9A483NRR	10-06	35	1	45.8	--	--	--	--
NK Brand S46-W8	10-01	30	1	45.3	--	--	--	--
Stine S4842-4	10-06	31	1	45.2	--	--	--	--
MFA Morsoy RT 4480N	10-01	30	1	45.1	58.9*	54.6	52.0	52.9
DEKALB DKB46-51	10-04	29	1	44.7	--	--	--	--
MPride/MPV 4904nRR	10-10	30	1	44.5	--	--	--	--
MFA Morsoy RT4731N	10-04	29	1	44.4	51.6	--	48.0	--
ASGROW AG4403	10-04	28	1	44.0	56.9	57.7	50.5	52.9
Midland 9A442NRR	10-04	28	1	43.5	55.7	67.2**	49.6	55.5
Dyna Gro 37R39##	9-25	25	1	43.3	--	--	--	--
Midland 9A462NRS	10-04	28	1	42.9	48.4	59.3*	45.7	50.2
MFA Morsoy RT 4993N	10-06	29	1	42.8	--	--	--	--
Mersch. Austin RR	10-01	22	1	42.7	--	--	--	--
Schillinger 393.RCP##	9-22	23	1	42.4	--	--	--	--
Pioneer 94B74	10-01	28	1	42.3	56.8	--	49.6	--
MFA Morsoy RT 4402N	9-29	25	1	42.3	--	--	--	--
Garst/AgriPro 4512RR/N	10-01	30	1	42.3	57.1	65.2*	49.7	54.9
Delta King 4461RR	10-01	25	1	42.2	--	--	--	--
Mersch. Denver RRSTS	10-01	31	1	42.0	51.9	--	47.0	--
Dyna Gro 3443NRR	10-04	26	1	41.6	52.4	53.5	47.0	49.2
NK Brand S43-B1	10-01	25	1	41.4	--	--	--	--
Pioneer 93M80##	9-25	29	1	41.3	--	--	--	--
Taylor 444RR	10-06	25	1	41.2	--	--	--	--
Dyna Gro 3390NRR##	9-22	25	1	41.1	59.0*	61.6*	50.1	53.9
Garst/AgriPro 3824RR/N##	9-25	24	1	40.6	--	--	--	--
Midland 9A432NRS	10-04	24	1	40.1	--	--	--	--
MPride/MPV 4303nRR	9-28	21	1	39.8	--	--	--	--
Garst/AgriPro 3812 RR/N##	9-25	29	1	39.1	--	--	--	--
DEKALB DKB38-52##	9-25	22	1	38.8	59.4*	60.9*	49.1	53.0
Pioneer 93M90##	9-27	23	1	38.2	--	--	--	--
ASGROW AG3905##	9-25	26	1	36.8	--	--	--	--
Dyna Gro 34P38##	9-22	24	1	35.1	--	--	--	--

TABLE 34. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	ASGROW AG3801##	9-22	23	1	33.8	--	--	--
Stine S4102-4	9-28	23	1	33.3	--	--	--	--
GROUP 4 AVERAGE	9-30	27	1	42.7	54.8	57.2	48.8	51.6
L.S.D. AT .10				3.6	6.0	9.1		
C.V. %				5.7	7.9	11.2		
MATURITY GROUP 5								
MPride/MPV 5502NRR	10-14	30	1	55.7**	54.0	--	54.9	--
MPride/MPV 5504nRR	10-17	29	1	54.3	--	--	--	--
MPride/MPV 5302NRR	10-17	29	1	53.6	57.4*	--	55.5	--
MFA Morsoy RT5442N	10-17	26	1	53.3	60.0**	--	56.7	--
ASGROW AG5301	10-19	31	1	52.8	59.6*	--	56.2	--
MFA Morsoy RT5252N	10-12	29	1	50.4	56.7*	--	53.6	--
GROUP 5 AVERAGE	10-15	29	1	53.4	54.4	57.4	53.9	55.1
L.S.D. AT .10				NS	4.5	7.6		
C.V. %				10.6	5.6	8.9		
TRIAL AVERAGE		27	1	44.0	54.7	57.3	49.3	52.0

-- 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.

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

TABLE 35. Performance of Glyphosate Resistant Soybean Varieties evaluated near Lamar (Barton County) on the Wally Norton Farm during 2001-2003.

Planted: 13 May 2003
 Harvested: 6, 23 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 inches
 Soil Type: Parsons Silt Loam
 Soil Test: pH= 6.2, OM= 1.6, P= 54, K= 195

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: None
 Post Emergence: RoundupUltraMax, FirstRate
 Irrigation: None
 Previous Crop: Corn
 Tillage: Minimum

Cyst Nematode Population at Planting: 500 Eggs/250cc of soil
 Growing Season Rainfall: May=5.8 , June=3.8 , July=2.0 , Aug.=5.2 , Sept.=5.7 TOTAL=22.5 in.

Brand-Variety	2003							
	Maturity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2001	2000	2 Yr.	3 Yr.
MATURITY GROUP 4								
NK Brand S49-Q9	10-04	26	1	38.2**	--	--	--	--
MPride/MPV 4904nRR	10-04	24	1	34.0*	--	--	--	--
Delta King 4763RR	9-21	24	1	28.8	--	--	--	--
DEKALB DKB46-51	9-25	23	1	27.9	--	--	--	--
Dyna Gro 3443NRR	9-21	22	1	26.5	46.4*	--	36.5	--
MFA Morsoy RT4731N	9-19	24	1	25.5	--	--	--	--
ASGROW AG3905##	9-17	27	1	25.3	--	--	--	--
NK Brand S46-W8	9-21	27	1	25.1	--	--	--	--
Delta King 4461RR	9-19	22	1	23.7	--	--	--	--
ASGROW AG4603	9-19	21	1	23.6	--	--	--	--
Stine S4842-4	9-28	25	1	23.6	--	--	--	--
Stine S4542-4	9-21	23	1	23.0	--	--	--	--
Mersch. Denver RRSTS	9-21	26	1	22.9	--	--	--	--
Midland 9A483NRR	10-01	26	1	22.5	--	--	--	--
DEKALB DKB38-52##	9-17	22	1	22.3	30.4	--	26.4	--
Midland 9A442NRR	9-23	22	1	22.3	45.5*	--	33.9	--
Pioneer 93M80##	9-12	22	1	22.2	--	--	--	--
Garst/AgriPro 4512RR/N	9-21	23	1	22.1	46.3*	--	34.2	--
Dyna Gro 3390NRR##	9-15	22	1	21.6	30.5	--	26.1	--
Garst/AgriPro 3824RR/N##	9-15	20	1	21.5	--	--	--	--
Garst/AgriPro 3812 RR/N##	9-10	25	1	21.2	--	--	--	--
Mersch. Dallas RR	9-21	26	1	20.9	--	--	--	--
ASGROW AG4403	9-21	24	1	20.8	48.2*	23.4	34.5	30.8
MFA Morsoy RT 4402N	9-17	19	1	20.5	--	--	--	--
Taylor 444RR	9-25	24	1	20.0	--	--	--	--
Dyna Gro 3481NRR	9-19	23	1	19.8	--	--	--	--
Midland 9A462NRS	9-22	24	1	19.8	42.8	--	31.3	--
Delta King 4967RR	9-17	24	1	19.6	--	--	--	--
Midland 9A432NRS	9-19	21	1	19.6	--	--	--	--
MFA Morsoy RT 4802N	9-15	22	1	19.3	--	--	--	--
Pioneer 93M90##	9-10	22	1	19.1	--	--	--	--
ASGROW AG3801##	9-10	20	1	19.0	--	--	--	--
Stine S4102-4	9-15	21	1	18.2	--	--	--	--
Dyna Gro 37R39##	9-12	22	1	18.1	--	--	--	--
MFA Morsoy RT 4993N	9-21	26	1	17.6	--	--	--	--
MFA Morsoy RT 4480N	9-17	22	1	17.0	46.8*	--	31.9	--
MPride/MPV 4303nRR	9-21	21	1	16.4	--	--	--	--
Mersch. Austin RR	9-17	18	1	15.6	--	--	--	--
Pioneer 94B74	9-19	28	1	15.5	--	--	--	--
NK Brand S43-B1	9-15	23	1	14.9	--	--	--	--

TABLE 35. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2001	2000	2 Yr.	3 Yr.
Schillinger 393.RCP##	9-10	18	1	11.8	--	--	--	--
Dyna Gro 34P38##	9-07	20	1	11.0	--	--	--	--
GROUP 4 AVERAGE	9-18	23	1	21.4	41.7	22.0	31.6	28.4
L.S.D. AT .10				4.7	5.0	4.6		
C.V. %				15.1	8.5	15.2		
MATURITY GROUP 5								
MFA Morsoy RT5442N	10-12	22	1	32.8**	--	--	--	--
ASGROW AG5301	10-14	28	1	31.5	--	--	--	--
MPride/MPV 5504nRR	10-14	26	1	31.5	--	--	--	--
MPride/MPV 5502NRR	10-17	25	1	31.0	--	--	--	--
MPride/MPV 5302NRR	10-12	21	1	30.5	--	--	--	--
MFA Morsoy RT5252N	10-06	29	1	23.7	--	--	--	--
GROUP 5 AVERAGE	10-11	25	1	30.2	37.6	18.3	33.9	28.7
L.S.D. AT .10				NS	5.1	3.5		
C.V. %				16.7	9.3	13.3		
TRIAL AVERAGE		23	1	22.5	40.8	21.3	31.6	28.2

-- 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.

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

TABLE 36. Performance Summary for Glyphosate Resistant Varieties evaluated at Five Southwest Missouri locations (Harrisonville, Adrian, Urich, Nevada, Lamar) during 2003.

<u>Harrisonville</u> Planted: 18 June 2003 Harvested: 23 Oct., 6 Nov. 2003 Growing Season Rainfall: 22.7 in.	<u>Adrian</u> Planted: 29 May 2003 Harvested: 23 October 2003 Growing Season Rainfall: 17.9 in.	<u>Urich</u> Planted: 11 June 2003 Harvested: 29 October 2003 Growing Season Rainfall: 20.1 in.
<u>Nevada</u> Planted: 29 May 2003 Harvested: 22 October 2003 Growing Season Rainfall: 24.7 in. Irrigation: 4 in.	<u>Lamar</u> Planted: 13 May 2003 Harvested: 6, 23 October 2003 Growing Season Rainfall: 22.5 in.	

Brand-Variety	Yield (Bu/Acre)					Mean
	Harrisonville	Adrian	Urich	Nevada	Lamar	
MATURITY GROUP 4						
NK Brand S49-Q9	51.9	48.9*	40.3	49.4**	38.2**	45.7**
MFA Morsoy RT4731N	57.1*	49.1**	46.5**	44.4	25.5	44.5*
Delta King 4763RR	57.5*	42.1	44.8*	49.0*	28.8	44.4*
MPride/MPV 4904nRR	53.9	45.0*	42.9*	44.5	34.0*	44.1*
DEKALB DKB46-51	55.6	42.7	45.9*	44.7	27.9	43.4
Stine S4842-4	55.0	47.7*	42.5*	45.2	23.6	42.8
Dyna Gro 3443NRR	55.6	45.1*	43.0*	41.6	26.5	42.4
Stine S4542-4	57.0*	41.3	43.1*	46.7*	23.0	42.2
ASGROW AG4603	55.3	41.4	42.2*	48.0*	23.6	42.1
Dyna Gro 3481NRR	54.0	48.1*	39.7	48.5*	19.8	42.0
Delta King 4461RR	57.7*	46.8*	39.0	42.2	23.7	41.9
Delta King 4967RR	53.4	44.6*	44.2*	47.3*	19.6	41.8
MFA Morsoy RT 4993N	52.2	48.4*	46.4*	42.8	17.6	41.5
Mersch. Dallas RR	56.9*	42.3	40.9	46.3*	20.9	41.5
Midland 9A483NRR	52.7	43.5	41.9	45.8	22.5	41.3
Midland 9A442NRR	56.4*	44.4*	39.0	43.5	22.3	41.1
MFA Morsoy RT 4480N	56.1	45.9*	41.3	45.1	17.0	41.1
Mersch. Denver RRSTS	53.2	45.6*	41.3	42.0	22.9	41.0
ASGROW AG4403	53.3	46.5*	40.3	44.0	20.8	41.0
MFA Morsoy RT 4802N	56.1	44.5*	38.1	46.6*	19.3	40.9
NK Brand S46-W8	53.2	42.0	38.8	45.3	25.1	40.9
Taylor 444RR	55.4	44.3*	42.5*	41.2	20.0	40.7
Garst/AgriPro 4512RR/N	53.7	43.7	41.5	42.3	22.1	40.7
Garst/AgriPro 3812 RR/N##	54.0	42.9	38.4	39.1	21.2	39.1
Midland 9A432NRS	55.0	42.5	36.9	40.1	19.6	38.8
ASGROW AG3905##	53.7	39.5	37.6	36.8	25.3	38.6
DEKALB DKB38-52##	56.6*	43.0	32.2	38.8	22.3	38.6
MFA Morsoy RT 4402N	55.5	41.4	33.0	42.3	20.5	38.5
Midland 9A462NRS	52.2	38.6	38.7	42.9	19.8	38.4
Pioneer 93M80##	53.3	40.2	35.2	41.3	22.2	38.4
Dyna Gro 37R39##	52.3	40.8	37.5	43.3	18.1	38.4
Mersch. Austin RR	55.5	38.8	35.7	42.7	15.6	37.7
Pioneer 94B74	52.1	41.2	37.2	42.3	15.5	37.6
Pioneer 93M90##	58.0*	37.6	34.5	38.2	19.1	37.5
Dyna Gro 3390NRR##	57.0*	37.2	30.5	41.1	21.6	37.5
Garst/AgriPro 3824RR/N##	56.9*	33.3	31.7	40.6	21.5	36.8
NK Brand S43-B1	54.3	35.9	36.6	41.4	14.9	36.6
MPride/MPV 4303nRR	59.8**	36.8	28.0	39.8	16.4	36.2
Stine S4102-4	53.5	42.8	32.5	33.3	18.2	36.0
ASGROW AG3801##	54.5	39.4	29.5	33.8	19.0	35.2

Table 36. Continued.

Brand-Variety	Yield (Bu/Acre)					
	Harrisonville	Adrian	Urich	Nevada	Lamar	Mean
Schillinger 393.RCP##	53.3	30.4	35.2	42.4	11.8	34.6
Dyna Gro 34P38##	53.2	33.9	27.7	35.1	11.0	32.2
GROUP 4 AVERAGE	54.9	42.1	38.4	42.7	21.4	39.9
L.S.D. AT .10	3.6	5.3	4.3	3.6	4.7	1.9
C.V. %	4.7	8.6	7.9	5.7	15.1	8.4
MATURITY GROUP 5						
MPride/MPV 5502NRR	55.2	52.8	55.7**	55.7**	31.0	50.1**
MFA Morsoy RT5442N	56.1	52.1	53.7*	53.3	32.8**	49.6*
MPride/MPV 5504nRR	57.9**	50.4	51.8*	54.3	31.5	49.2*
MPride/MPV 5302NRR	52.6	53.3**	54.7*	53.6	30.5	48.9*
ASGROW AG5301	55.6	50.8	49.4	52.8	31.5	48.0*
MFA Morsoy RT5252N	56.4	50.2	48.8	50.4	23.7	45.9
GROUP 5 AVERAGE	55.6	51.6	52.3	53.4	30.2	48.6
L.S.D. AT .10	NS	NS	4.4	NS	NS	2.4
C.V. %	9.8	5.3	6.8	10.6	16.7	9.8
TRIAL AVERAGE	55.0	43.3	40.2	44.0	22.5	41.0

** Highest yielding variety in the maturity group.

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

NS Not Significant.

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

TABLE 37. Performance of Soybean Varieties evaluated near Oran (Scott County) on the Glenn Nothdurft Farm during 2001-2003.

Planted: 31 May 2003
 Harvested: 13, 21 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Commerce Silt Loam
 Soil Test: pH=6.3, OM=1.5%, P=66, K=295

Fertilizer: N=0; P2O5=35; K2O=65
 Herbicide: Pre: Squadron, Dual II Mag
 Post Emergence: Reflex, Select
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 875 Eggs/250cc of soil
 Growing Season Rainfall: May= 9.1, June= 5.1, July= 1.1, Aug.= 7.1, Sept.= 5.1 TOTAL=27.5 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 4								
Gateway 471	10-03	42	1	70.2**	--	54.7*	--	--
Progeny 4910	10-02	43	1	64.4	55.0	--	59.7	--
Southern Cross Aaron	9-26	34	1	63.0	58.1	--	60.6	--
Delta Pine DP 4748 S	9-26	43	2	62.7	60.4	59.9**	61.6	61.0
Hornbeck HBK 4944CX	9-24	41	2	62.5	--	--	--	--
GROUP 4 AVERAGE	9-27	41	1	64.6	55.3	51.3	60.0	57.1
L.S.D. AT .10				NS	NS	8.4		
C.V. %				8.2	16.6	10.0		
MATURITY GROUP 5								
Delta Pine DPX 5520S	10-10	42	1	76.0**	--	--	--	--
Progeny 5600	10-13	35	3	68.5	59.8*	--	64.2	--
Armor 56-C4	10-15	33	3	68.5	--	--	--	--
Hornbeck HBK 5991	10-15	31	3	67.2	--	59.4**	--	--
UniSouth USG 5601T	10-13	34	3	67.0	--	--	--	--
Anand	10-13	32	1	65.0	66.9**	51.4	66.0	61.1
UniSouth USG 5002T	10-02	30	2	64.9	--	--	--	--
Armor 52-C2	10-13	34	3	62.4	58.5*	48.2	60.5	56.4
GROUP 5 AVERAGE	10-11	34	2	67.4	59.5	53.0	63.5	60.0
L.S.D. AT .10				NS	8.6	7.7		
C.V. %				8.8	10.5	9.1		
TRIAL AVERAGE								
		36	2	66.4	57.3	52.2	61.8	58.6

- 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.

TABLE 38. Performance of Soybean Varieties evaluated near Morely (Scott County) on the Joe Sevic Farm during 2002-2003 and near Wyatt (Mississippi County) on the Elott Raffety Farm during 2001.

Planted: 14, 15 May 2003
 Harvested: 17 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 Inches
 Soil Type: NA
 Soil Test: pH = 6.1, OM = 0.9, P = 112, K = 187

Fertilizer: N = 0, P₂O₅ = 0, K₂O = 0
 Herbicide: Pre: Squadron, Dual II Mag
 Post Emergence: Reflex, Select
 Irrigation: 16 in.
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 1805 eggs / 250 cc Soil
 Growing Season Rainfall: May = 9.1, June = 5.1, July = 1.1, Aug = 7.1, Sept = 5.1 TOTAL=27.5 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 4							
Hornbeck HBK 4944CX	9-18	40	1	34.6**	--	--	--	--
Gateway 471	9-23	32	1	29.4*	--	50.2*	--	--
Progeny 4910	9-23	37	1	28.5	49.8	--	39.2	--
Delta Pine DP 4748 S	10-01	32	1	24.2	57.7**	55.6**	41.0	45.8
Southern Cross Aaron	9-08	29	1	18.7	51.2	--	35.0	--
GROUP 4 AVERAGE	9-20	34	1	27.1	53.0	46.8	40.1	42.3
L.S.D. AT .10				5.2	NS	8.0		
C.V. %				16.1	10.2	10.6		
MATURITY GROUP 5								
Anand	10-05	30	1	41.4**	58.0**	54.8*	49.7	51.4
Progeny 5600	9-27	33	2	28.4	46.4	--	37.4	--
Armor 56-C4	10-08	32	1	27.8	--	--	--	--
Armor 52-C2	10-01	35	2	26.3	52.1*	49.1	39.2	42.5
Delta Pine DPX 5520S	10-03	32	1	26.1	--	--	--	--
Hornbeck HBK 5991	10-05	34	2	26.0	--	49.7	--	--
UniSouth USG 5601T	9-27	32	1	24.8	--	--	--	--
UniSouth USG 5002T	10-05	28	1	15.4	--	--	--	--
GROUP 5 AVERAGE	10-02	32	1	27.0	47.1	50.3	37.1	41.5
L.S.D. AT .10				4.8	6.3	5.3		
C.V. %				14.6	9.5	7.5		
TRIAL AVERAGE		33	1	27.0	50.3	48.6	38.6	41.9

-- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.
 NS Not Significant.

TABLE 39. Performance of Soybean Varieties evaluated on a loam soil near Portageville (Pemiscot County) on the Delta Research Center during 2001-2003.

Planted: 27 May 2003
 Harvested: 22 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Dundee Silt Loam
 Soil Test: pH=6.2, OM=1.6%, P=104, K=347

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: None
 Post Emergence: Reflex, Select
 Irrigation: 6 inches
 Previous Crop: Cotton
 Tillage: Conventional

Cyst Nematode Population at Planting: 3300 Eggs/250cc of soil
 Growing Season Rainfall: May= 13.7, June= 2.4, July= 6.0, Aug.= 3.8, Sept.= 5.5 TOTAL=31.4 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 4							
Delta Pine DP 4748 S	9-30	44	4	67.6**	61.8	56.0	64.7	61.8
Southern Cross Aaron	9-25	41	3	63.9*	67.8	--	65.9	--
Gateway 471	10-02	37	3	63.5*	--	64.2**	--	--
Progeny 4910	10-07	40	3	61.3	77.6**	--	69.5	--
Hornbeck HBK 4944CX	9-26	35	4	53.9	--	--	--	--
GROUP 4 AVERAGE	9-29	39	3	62.0	65.6	58.6	63.8	62.1
L.S.D. AT .10				5.8	NS	5.2		
C.V. %				7.8	19.2	5.4		
MATURITY GROUP 5								
UniSouth USG 5601T	10-09	35	2	73.3**	--	--	--	--
UniSouth USG 5002T	10-07	30	2	72.0*	--	--	--	--
Anand	10-09	31	1	70.9*	73.1	53.2	72.0	65.7
Progeny 5600	10-08	37	3	70.7*	72.9	--	71.8	--
Armor 56-C4	10-13	39	1	68.2	--	--	--	--
Delta Pine DPX 5520S	10-10	42	1	65.1	--	--	--	--
Hornbeck HBK 5991	10-12	35	2	62.7	--	49.5	--	--
Armor 52-C2	10-09	36	2	60.8	77.2**	51.9	69.0	63.3
GROUP 5 AVERAGE	10-09	36	2	68.0	69.5	50.2	68.8	62.6
L.S.D. AT .10				3.7	NS	NS		
C.V. %				4.6	13.0	9.5		
TRIAL AVERAGE		37	2	65.7	67.5	54.4	66.6	62.5

-- Data not available.

** Highest yielding variety in the maturity group.

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

NS Not Significant.

TABLE 40. Performance of Soybean Varieties evaluated on a clay soil near Portageville (Pemiscot County) on the Delta Research Center during 2001-2003.

Planted: 28 May 2003
 Harvested: 16 October 2003
 Seeding Rate: 174,200 Seeds/A
 Row Spacing: 30 inches
 Soil Type: Portageville Clay
 Soil Test: pH=5.6, O.M.=4.2%, P=102, K=890

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Harmony GT, Dual II Mag, Scepter
 Post Emergence: Reflex, Select
 Irrigation: 6 Inches
 Previous Crop: Soybean
 Tillage: Conventional

Cyst Nematode Population at Planting: 1662 Eggs/250cc of soil
 Growing Season Rainfall: May= 13.7, June= 2.4, July= 6.0, Aug.= 3.8, Sept.= 5.5 TOTAL=31.4 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 4							
Delta Pine DP 4748 S	10-03	36	2	72.2**	55.1*	46.0*	63.7	57.8
Gateway 471	10-03	39	2	70.2*	--	45.1*	--	--
Progeny 4910	9-30	37	2	67.8	47.9	--	57.9	--
Southern Cross Aaron	9-27	30	1	65.8	46.2	--	56.0	--
Hornbeck HBK 4944CX	9-30	34	3	57.2	--	--	--	--
GROUP 4 AVERAGE	9-30	35	2	66.6	47.1	40.7	56.9	51.5
L.S.D. AT .10				4.0	7.8	6.3		
C.V. %				5.0	10.3	10.6		
MATURITY GROUP 5								
UniSouth USG 5002T	10-07	25	2	73.4**	--	--	--	--
Progeny 5600	10-07	35	3	71.6*	37.7	--	54.7	--
UniSouth USG 5601T	10-13	33	2	71.4*	--	--	--	--
Anand	10-07	30	2	71.4*	50.3*	42.6*	60.9	54.8
Armor 56-C4	10-14	35	3	71.1*	--	--	--	--
Armor 52-C2	10-08	34	3	64.7	62.4*	41.3*	63.6	56.1
Delta Pine DPX 5520S	10-11	40	2	61.0	--	--	--	--
Hornbeck HBK 5991	10-15	30	2	59.4	--	42.7*	--	--
GROUP 5 AVERAGE	10-09	33	2	68.0	51.0	40.6	59.5	53.2
L.S.D. AT .10				4.1	13.6	4.4		
C.V. %				5.2	17.3	7.8		
TRIAL AVERAGE								
		34	2	67.5	48.9	40.7	58.2	52.3

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 41. Performance Summary for Standard Varieties evaluated at Four Southeast Missouri locations (Oran, Morely, Portageville (Loam), Portageville (Clay)) during 2003.

Oran
 Planted: 31 May 2003
 Harvested: 13, 21 October 2003
 Growing Season Rainfall: 27.5 in.
 Irrigation: None

Morely
 Planted: 14, 15 May 2003
 Harvested: 17 October 2003
 Growing Season Rainfall: 27.5 in.
 Irrigation: 16 inches

Portageville (Loam)
 Planted: 27 May 2003
 Harvested: 22 October 2003
 Growing Season Rainfall: 31.4 in.
 Irrigation: 6 inches

Portageville (Clay)
 Planted: 28 May 2003
 Harvested: 16 October 2003
 Growing Season Rainfall: 31.4 in.
 Irrigation: 6 inches

Brand-Variety	Yield (Bu/Acre)				
	Oran	Morely	Portageville (Loam)	Portageville (Clay)	Mean
MATURITY GROUP 4					
Gateway 471	70.2**	29.4*	63.5*	70.2*	58.3**
Delta Pine DP 4748 S	62.7	24.2	67.6**	72.2**	56.7*
Progeny 4910	64.4	28.5	61.3	67.8	55.5
Southern Cross Aaron	63.0	18.7	63.9*	65.8	52.8
Hornbeck HBK 4944CX	62.5	34.6**	53.9	57.2	52.0
GROUP 4 AVERAGE	64.6	27.1	62.0	66.6	55.1
L.S.D. AT .10	NS	5.2	5.8	4.0	2.6
C.V. %	8.2	16.1	7.8	5.0	9.3
MATURITY GROUP 5					
Anand	65.0	41.4**	70.9*	71.4*	62.2**
Progeny 5600	68.5	28.4	70.7*	71.6*	59.8*
UniSouth USG 5601T	67.0	24.8	73.3**	71.4*	59.1
Armor 56-C4	68.5	27.8	68.2	71.1*	58.9
Delta Pine DPX 5520S	76.0**	26.1	65.1	61.0	57.0
UniSouth USG 5002T	64.9	15.4	72.0*	73.4**	56.4
Hornbeck HBK 5991	67.2	26.0	62.7	59.4	53.8
Armor 52-C2	62.4	26.3	60.8	64.7	53.5
GROUP 5 AVERAGE	67.4	27.0	68.0	68.0	57.6
L.S.D. AT .10	NS	4.8	3.7	4.1	2.5
C.V. %	8.8	14.6	4.6	5.2	8.3
TRIAL AVERAGE	66.4	27.0	65.7	67.5	56.6

** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.
 NS Not Significant.

TABLE 42. Performance of Glyphosate Resistant Soybean Varieties evaluated near Oran (Scott County) on the Glenn Nothdurft Farm during 2001-2003.

Planted: 31 May 2003
 Harvested: 7, 21 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Commerce Silt Loam
 Soil Test: pH=6.3, OM= 1.5%, P=66, K=295

Fertilizer: N=0; P2O5=35; K2O=65
 Herbicide: Pre: None
 Post Emergence: Roundup Weather Max
 Irrigation: None
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 875 Eggs/250cc of soil
 Growing Season Rainfall: May= 9.1, June= 5.1, July= 1.1, Aug.= 7.1, Sept.= 5.1 TOTAL=27.5 in.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 4								
Delta Grow 4960NRR	10-07	41	4	86.5**	--	--	--	--
Delta King XTJ450	10-07	42	4	77.1	--	--	--	--
Mersch. Washington IXRR##	9-23	36	3	75.7	--	--	--	--
MFA Morsoy RT 4993N	9-24	34	4	75.3	--	--	--	--
Mersch. Roosevelt IIIR##	9-25	32	2	74.6	--	--	--	--
Progeny 3900RR##	9-23	36	3	74.3	--	--	--	--
UniSouth USG 7440nRR	9-27	37	1	73.8	56.7	--	65.3	--
Southern Cross Michael	9-25	31	1	73.7	--	--	--	--
Hornbeck HBK R4820	9-29	36	1	73.6	64.9**	53.3*	69.3	63.9
NK Brand S49-Q9	10-07	43	2	72.9	56.9	--	64.9	--
Progeny 4860 RR	10-07	38	4	72.8	--	--	--	--
Mersch. Phoenix IIIR	9-23	34	1	72.1	--	--	--	--
DEKALB DKB46-51	9-26	34	2	71.8	--	--	--	--
ASGROW AG4603	9-27	37	1	71.7	57.8	--	64.8	--
Progeny 4401RR	9-29	35	1	71.6	60.9*	--	66.3	--
MFA Morsoy RT 4480N	9-26	34	1	71.6	62.4*	38.2	67.0	57.4
Mersch. Cleveland VIIR##	9-25	32	2	71.5	--	--	--	--
Crows C4815R	9-27	35	1	71.3	59.0*	--	65.2	--
Delta King XTJ439##	9-23	37	4	71.1	--	--	--	--
Mersch. Austin RR	9-23	30	1	71.1	58.3*	--	64.7	--
Delta Pine DP 4331 RR	9-26	37	2	71.1	--	--	--	--
Delta King 4763RR	9-26	40	3	71.0	60.4*	--	65.7	--
Stine S4842-4	9-29	33	4	71.0	--	--	--	--
Armor 47-G7	9-26	34	1	70.8	60.1*	41.3	65.5	57.4
Excel Brand 8499NRR	9-29	39	3	70.7	52.8	--	61.8	--
Garst/AgriPro 4512RR/N	9-26	34	1	70.4	59.7*	60.4**	65.1	63.5
Delta King 3968RR##	9-23	36	3	70.2	56.7	--	63.5	--
Armor 39-E9##	9-23	33	1	70.2	50.6	--	60.4	--
Vigoro V442NRR	9-26	33	1	70.1	57.5	43.7	63.8	57.1
ASGROW AG4403	9-23	36	1	70.1	52.9	41.5	61.5	54.8
Delta King XTJ402	9-29	36	1	70.0	--	--	--	--
Armor 49-P9	9-30	35	2	70.0	--	--	--	--
ASGROW AG4502	9-25	36	1	69.9	--	--	--	--
Dyna Gro 3481NRR	9-28	37	2	69.8	--	--	--	--
Delta King 4868RR	9-29	39	3	69.7	59.9*	48.8	64.8	59.5
MFA Morsoy RT 4809	9-26	37	1	69.7	62.1*	58.5*	--	--
Pioneer 94B13	9-23	36	2	69.6	52.0	--	60.8	--
Southern Cross Silas	9-25	37	2	69.4	58.9*	--	64.2	--
Gateway 4R445	9-26	40	2	69.2	63.4*	43.6	66.3	58.7
Stine S4542-4	9-24	38	2	69.2	--	--	--	--

TABLE 42. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Pioneer 94B73	9-27	37	2	69.2	59.7*	45.0	64.5	58.0
Delta King XTJ401	9-25	39	2	69.0	--	--	--	--
Delta Pine DP 4724 RR	9-25	33	1	68.9	--	--	--	--
Delta King 4967RR	9-26	42	1	68.8	--	--	--	--
Armor 44-R5	9-23	36	1	68.7	--	--	--	--
Dyna Gro 3443NRR	9-26	38	2	68.5	56.6	44.4	62.6	56.5
Pioneer 94M70	9-25	36	3	68.4	--	--	--	--
Delta Grow 4860RR	9-29	36	1	68.2	63.6*	--	65.9	--
Southern Cross Titus	9-29	42	1	68.1	53.5	--	60.8	--
Golden Harvest H-4772RR	9-26	40	2	68.1	--	--	--	--
Golden Harvest H-4534RR	9-22	38	1	68.0	61.3*	--	64.7	--
Pioneer 94B74	9-28	40	4	67.9	61.9*	--	64.9	--
Armor 44-R4	9-23	37	1	67.7	60.0*	40.2	63.9	56.0
Delta King XTJ447	9-29	40	2	67.0	--	--	--	--
UniSouth USG 7499nRR	10-01	42	3	66.9	58.8*	--	62.9	--
Delta King 4461RR	9-25	40	2	66.5	57.4	--	62.0	--
Schillinger 393.RCP##	9-23	33	1	66.5	--	--	--	--
Delta King XTJ403	9-27	35	3	66.2	--	--	--	--
Gateway 4R485	9-28	40	3	66.2	--	--	--	--
Garst/AgriPro D484RR/N	9-29	39	1	65.9	55.0	41.3	60.5	54.1
Hornbeck HBK R4922	10-01	39	2	65.8	--	--	--	--
UniSouth USG 7482nRR	9-30	40	2	65.5	--	--	--	--
Mersch. Denver RRSTS	9-29	41	3	65.5	57.9	--	61.7	--
Progeny 4884RR	9-29	39	2	65.3	--	--	--	--
Mersch. Dallas RR	9-29	36	3	64.9	62.3*	--	63.6	--
Progeny 4949RR	9-29	39	2	64.8	--	--	--	--
Delta Pine DP 4690 RR	9-27	36	2	64.7	55.6	35.7	60.2	52.0
Hornbeck HBK R4920	9-29	43	3	64.7	58.6*	44.3	61.7	55.9
MFA Morsoy RT 4802N	9-27	36	3	64.4	--	--	--	--
Delta Pine DP 4933 RR	9-30	41	3	64.2	57.1	--	60.7	--
Terral TVX47R1K2	9-27	42	2	64.1	--	--	--	--
UniSouth USG 7443nRR	9-26	44	2	64.1	--	--	--	--
Dyna Gro 3468NRR	9-25	34	1	63.9	54.6	36.0	59.3	51.5
Pioneer 94M40	9-23	43	3	63.9	--	--	--	--
FFR 4922RR	9-29	42	1	63.3	57.0	--	60.2	--
Progeny 4932RR	9-30	43	1	63.3	56.4	--	59.9	--
Gateway 4RS463	9-28	38	4	62.6	--	--	--	--
UniSouth USG 7489RR	9-29	37	4	62.5	--	41.2	--	--
Delta Pine DPX 4446 RR	9-29	35	3	61.5	--	--	--	--
Hornbeck HBK XR441-03	9-30	42	3	61.1	--	--	--	--
Delta King 3961RR##	9-22	37	3	60.7	49.0	36.6	54.9	48.8
Hornbeck HBK R4623	9-26	39	2	60.6	--	--	--	--
Delta King XTJ448	10-02	48	3	60.3	--	--	--	--
Terral TVX49R1L2	10-01	44	4	59.0	--	--	--	--
MPride/MPV 4904nRR	9-29	41	3	58.5	--	--	--	--
Delta King XTJ446	9-25	41	1	55.2	--	--	--	--
GROUP 4 AVERAGE	9-26	38	2	68.2	56.3	44.5	62.3	56.3
L.S.D. AT .10				5.6	6.8	10.4		
C.V. %				5.7	9.0	16.8		

TABLE 42. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 5							
UniSouth USG 7553nRR	10-16	39	1	69.4**	--	--	--	--
Delta King XTJ407	10-18	33	1	68.7*	--	--	--	--
Delta King 5561RR	10-14	36	1	68.7*	--	--	--	--
Delta King 5967RR	10-20	32	2	68.5*	--	--	--	--
Armor 53-K3	10-13	33	1	67.8*	51.3	47.6	59.6	55.6
Vigoro V562NRR	10-17	37	2	67.6*	61.7*	52.5*	64.7	60.6
Mersch. Rocky RR	9-29	36	3	67.3*	--	--	--	--
Delta Grow 5650RR	10-18	34	2	67.1*	--	--	--	--
Delta Pine DP 5806 RR	10-21	33	2	67.0*	54.6*	51.5	60.8	57.7
Golden Harvest H-5492RR	10-13	31	1	66.9*	60.8*	--	63.9	--
Delta Grow 5460RR	10-17	38	2	66.8*	--	--	--	--
Delta King XTJ405	10-13	42	1	66.8*	--	--	--	--
ASGROW AG5501	10-14	38	1	66.6*	55.5*	52.2*	61.1	58.1
ASGROW AG5605	10-16	39	2	66.5*	--	--	--	--
MFA Morsoy RT5252N	10-08	32	2	66.5*	59.1*	--	62.8	--
Delta King XTJ406	10-19	34	2	66.3*	--	--	--	--
Armor 58-V8	10-18	36	2	66.3*	--	--	--	--
ASGROW AG5301	10-13	40	3	66.2*	53.0	--	59.6	--
Progeny 5503RR	10-17	34	2	66.1*	--	--	--	--
Dyna Gro 33B52	10-14	36	3	66.0*	--	--	--	--
Delta King XTJ452	10-12	34	3	65.7*	--	--	--	--
Progeny 5250RR	10-13	33	3	65.5*	55.2*	--	60.4	--
Pioneer 95B32	10-12	38	1	65.4*	49.8	46.4	57.6	53.9
UniSouth USG 540nRR	10-13	39	1	65.2*	60.5*	48.2	62.9	58.0
Mersch. Rushmore IVRR	10-15	37	2	65.2*	58.5*	50.8	61.9	58.2
Armor 52-Q2	10-11	36	3	65.0*	--	--	--	--
Delta King 5465RR	10-12	41	1	64.8*	55.7*	44.3	60.3	54.9
Delta King 5668RR	10-19	34	2	64.8*	57.5*	60.6**	61.2	61.0
NK Brand S52-U3	10-11	34	3	64.5*	55.7*	47.4	60.1	55.9
UniSouth USG 7563nRR	10-18	34	2	64.2	--	--	--	--
Dyna Gro 38K57	10-16	40	2	64.2	--	--	--	--
MFA Morsoy RT 5553N	10-17	36	1	64.1	--	--	--	--
Progeny 5415RR	10-12	37	1	64.0	--	--	--	--
Progeny 5822RR	10-18	38	3	63.9	--	--	--	--
Excel Brand 8520RR	10-12	39	1	63.6	--	--	--	--
Delta Grow 5960RR	10-13	36	1	63.5	--	--	--	--
Hornbeck HBK R5823	10-15	43	3	63.1	--	--	--	--
Delta King XTJ404	10-16	40	3	62.9	--	--	--	--
Delta Grow 5260RR	10-13	39	3	62.8	--	--	--	--
Armor AXR 5881	10-16	37	2	62.8	--	--	--	--
Gateway 5R531	10-12	38	1	62.8	--	--	--	--
Delta Pine DP 5634 RR	10-16	38	2	62.7	--	--	--	--
UniSouth USG 7562nRR	10-19	36	2	62.7	--	--	--	--
UniSouth USG 7524nrr	10-12	39	3	62.6	--	--	--	--
Hornbeck HBK R5123	10-07	40	1	62.5	--	--	--	--

TABLE 42. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MFA Morsoy RT5620N	10-13	36	3	62.4	60.4*	--	61.4	--
Delta King 5366RR	10-16	25	1	62.4	57.0*	51.9	59.7	57.1
DEKALB DKB53-51	10-13	35	2	62.3	--	--	--	--
Progeny 5660RR	10-19	40	3	62.3	61.3*	--	61.8	--
UniSouth USG 510nRR	10-12	36	1	62.2	57.1*	46.1	59.7	55.1
Excel Brand 8528NRR	10-13	41	2	62.2	58.5*	--	60.4	--
Delta Pine DP 5915 RR	10-16	32	3	62.1	--	59.5*	--	--
Mersch. Olympus RR	10-02	39	3	62.1	50.5	--	56.3	--
MPride/MPV 5504nRR	10-12	38	1	62.0	--	--	--	--
Mersch. Everest RR	10-11	39	2	61.7	51.8	48.5	56.8	54.0
Progeny 5703RR	10-19	37	3	61.4	--	--	--	--
MPride/MPV 5302NRR	10-13	38	1	61.1	58.6*	--	59.9	--
Dyna Gro 3535NRR	10-19	36	3	60.6	56.1*	--	58.4	--
Delta King 5767RR	10-15	45	3	60.4	--	--	--	--
Dyna Gro 3562NRR	10-14	35	3	60.3	56.1*	--	58.2	--
Terral TVX56R1B2	10-12	44	2	60.3	--	--	--	--
FFR 5225RR	10-13	39	2	59.9	53.8	--	56.9	--
Dyna Gro 3518NRR	10-12	37	2	59.9	--	--	--	--
Garst/AgriPro 5212RR/N	10-10	41	2	59.9	--	--	--	--
UniSouth USG 7522nRR	10-02	36	3	59.7	45.8	--	52.8	--
FFR 5542RR	10-15	35	3	59.6	--	--	--	--
Delta Grow 5630RR	10-16	38	2	59.1	59.3*	51.2	59.2	56.5
MPride/MPV 5502NRR	10-13	39	1	59.1	53.8	--	56.5	--
Armor 56-J6	10-17	41	1	59.0	56.6*	42.6	57.8	52.7
Pioneer 95B42	10-12	37	2	58.8	53.5	--	56.2	--
Delta Pine DP 5414RR	10-12	42	1	58.8	54.7*	51.8	56.8	55.1
Delta King 5661RR	10-18	40	2	58.5	48.7	48.2	53.6	51.8
Hornbeck HBK R5422	10-11	37	2	58.4	53.7	--	56.1	--
Dyna Gro 3521NRR	10-14	38	1	58.1	46.3	--	52.2	--
Gateway 5R500	10-01	30	3	57.6	--	--	--	--
Terral TVX58R1V2	10-14	41	2	57.6	--	--	--	--
Hornbeck HBK R5620	10-19	38	2	56.8	61.1*	51.7	59.0	56.5
NK Brand S57-P1	10-12	32	3	55.8	--	--	--	--
Dyna Gro 3583NRR	10-18	39	1	55.5	--	--	--	--
Pioneer 95B43	10-11	40	3	54.1	58.4*	--	56.3	--
FFR 5702 RR	10-14	45	1	53.8	--	--	--	--
GROUP 5 AVERAGE	10-13	37	2	62.8	55.0	47.4	58.9	55.1
L.S.D. AT .10				5.1	8.5	8.6		
C.V. %				5.8	11.5	12.8		
TRIAL AVERAGE		37	2	65.6	55.8	45.8	60.7	55.7

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

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 43. Performance of Glyphosate Resistant Soybean Varieties evaluated near Morely (Scott County) on the Joe Sevic Farm during 2002-2003 and near Wyatt (Mississippi County) on the Elott Raffety Farm during 2001.

Planted: 14, 15 May 2003
 Harvested: 16 October 2003
 Seeding Rate: 174,200
 Row Spacing: 30 Inches
 Soil Type: NA
 Soil Test: pH = 6.1, OM = 0.9, P = 112, K = 187

Fertilizer: N = 0, P₂O₅ = 0, K₂O = 0
 Herbicide: Pre: Squadron, Dual II Mag
 Post Emergence: Roundup Weather Max
 Irrigation: 16 in.
 Previous Crop: Corn
 Tillage: Conventional

Cyst Nematode Population at Planting: 1805 eggs / 250 cc Soil
 Growing Season Rainfall: May = 9.1, June = 5.1, July = 1.1, Aug = 7.1, Sept = 5.1 TOTAL=27.5 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 4							
ASGROW AG4603	9-22	35	1	53.0**	46.9*	--	50.0	--
Progeny 4401RR	9-18	32	1	51.0*	44.6*	--	47.8	--
Stine S4842-4	9-25	36	2	50.7*	--	--	--	--
Delta King 4763RR	9-23	32	3	49.9*	47.7*	--	48.8	--
MFA Morsoy RT 4993N	9-23	34	1	49.5*	--	--	--	--
Armor 49-P9	9-25	32	1	46.6*	--	--	--	--
Armor 47-G7	9-20	30	1	45.8*	50.5**	48.5	48.2	48.3
UniSouth USG 7499nRR	8-23	26	1	45.5*	38.6	--	42.1	--
NK Brand S49-Q9	9-23	37	3	44.4	47.6*	--	46.0	--
Golden Harvest H-4772RR	9-20	34	1	43.8	--	--	--	--
Delta King XTJ447	9-25	33	1	43.0	--	--	--	--
Garst/AgriPro D484RR/N	9-23	38	3	42.8	41.9	39.9	42.4	41.5
DEKALB DKB46-51	9-15	28	1	42.1	--	--	--	--
Hornbeck HBK XR441-03	9-23	38	1	42.1	--	--	--	--
Crows C4815R	9-22	33	1	41.9	50.5**	--	46.2	--
Delta King XTJ402	9-18	28	1	41.8	--	--	--	--
Armor 44-R5	9-17	31	1	41.8	--	--	--	--
UniSouth USG 7443nRR	9-21	36	1	41.7	--	--	--	--
Progeny 4860 RR	9-27	31	1	40.2	--	--	--	--
Southern Cross Silas	9-20	34	1	39.9	39.3	--	39.6	--
ASGROW AG4403	9-20	37	1	39.9	41.2	52.2	40.6	44.4
MFA Morsoy RT 4809	9-21	31	1	39.6	43.0	46.8	--	--
Armor 44-R4	9-18	24	1	39.5	46.3*	50.5	42.9	45.4
Southern Cross Michael	9-08	30	1	39.4	--	--	--	--
Armor 39-E9##	9-08	31	1	38.8	41.3	--	40.1	--
UniSouth USG 7482nRR	9-21	37	3	38.6	--	--	--	--
Mersch. Roosevelt IIIRR##	9-08	31	1	38.5	--	--	--	--
Gateway 4R445	9-17	26	1	38.2	46.1*	54.5*	42.2	46.3
Dyna Gro 3468NRR	9-22	30	1	38.2	38.8	43.5	38.5	40.2
Pioneer 94B74	9-15	38	1	37.7	40.4	--	39.1	--
Mersch. Phoenix IIIRR	9-08	28	1	37.6	--	--	--	--
Delta King XTJ450	9-29	34	1	37.6	--	--	--	--
Southern Cross Titus	9-23	37	2	37.5	45.4*	--	41.5	--
Hornbeck HBK R4922	9-23	34	1	37.4	--	--	--	--
Pioneer 94M70	9-02	31	1	37.3	--	--	--	--
Delta King 3968RR##	9-02	26	1	37.2	41.4	--	39.3	--
Delta Pine DP 4690 RR	9-21	28	1	37.1	39.7	49.7	38.4	42.2
Delta King XTJ439##	9-08	34	1	37.1	--	--	--	--
MFA Morsoy RT 4480N	9-14	31	1	36.9	42.4	50.8	39.7	43.4
MFA Morsoy RT 4802N	9-21	39	1	36.7	--	--	--	--

TABLE 43. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Vigoro V442NRR	9-16	36	1	36.7	48.3*	50.4	42.5	45.1
Pioneer 94B13	9-15	24	1	36.5	42.7	--	39.6	--
Garst/AgriPro 4512RR/N	9-20	32	1	36.5	43.7*	53.4	40.1	44.5
Delta King XTJ401	9-22	31	1	36.2	--	--	--	--
Delta Grow 4860RR	9-23	31	1	36.0	47.1*	--	41.6	--
Stine S4542-4	9-18	30	1	35.8	--	--	--	--
Pioneer 94M40	9-18	28	2	35.6	--	--	--	--
Delta Grow 4960NRR	9-27	30	1	35.4	--	--	--	--
Gateway 4R485	9-23	36	1	35.2	--	--	--	--
Delta Pine DP 4933 RR	9-23	32	1	34.9	39.9	--	37.4	--
Golden Harvest H-4534RR	9-16	36	2	34.9	40.9	--	37.9	--
Delta King XTJ403	9-18	32	2	34.8	--	--	--	--
Delta King 4461RR	9-15	32	1	34.6	46.0*	--	40.3	--
Progeny 4932RR	9-23	33	1	34.4	46.2*	--	40.3	--
Mersch. Washington IXRR##	9-15	27	1	34.2	--	--	--	--
Mersch. Austin RR	8-23	21	1	34.2	38.8	--	36.5	--
Dyna Gro 3443NRR	9-23	31	1	34.0	49.1*	52.6	41.6	45.2
Delta Pine DPX 4446 RR	9-16	30	3	33.8	--	--	--	--
Delta King 4967RR	9-18	33	1	33.5	--	--	--	--
Dyna Gro 3481NRR	9-19	32	2	33.3	--	--	--	--
FFR 4922RR	9-20	33	1	32.9	41.2	--	37.1	--
UniSouth USG 7440nRR	9-07	23	1	32.8	43.8*	--	38.3	--
MPride/MPV 4904nRR	9-25	35	3	32.7	--	--	--	--
Delta Pine DP 4331 RR	9-17	32	1	32.7	--	--	--	--
Hornbeck HBK R4820	9-21	32	1	32.6	41.6	45.8	37.1	40.0
Mersch. Dallas RR	9-15	30	2	32.4	40.1	--	36.3	--
Mersch. Denver RRSTS	9-19	34	1	32.3	39.0	--	35.7	--
Progeny 4884RR	9-18	33	3	32.0	--	--	--	--
UniSouth USG 7489RR	9-23	31	1	31.8	--	48.9	--	--
Gateway 4RS463	9-20	36	2	31.4	--	--	--	--
Delta King 3961RR##	8-28	25	1	31.3	40.8	44.0	36.1	38.7
Progeny 3900RR##	9-15	33	3	30.6	--	--	--	--
Excel Brand 8499NRR	9-26	29	1	30.0	48.4*	--	39.2	--
Delta Pine DP 4724 RR	9-15	28	1	29.9	--	--	--	--
Schillinger 393.RCP##	9-07	31	2	29.1	--	--	--	--
Hornbeck HBK R4623	9-14	41	1	29.1	--	--	--	--
Mersch. Cleveland VIIRR##	8-28	20	1	28.4	--	--	--	--
Hornbeck HBK R4920	9-27	32	1	28.0	38.0	42.0	33.0	36.0
Delta King 4868RR	9-21	31	1	27.4	41.6	44.5	34.5	37.8
Pioneer 94B73	8-23	19	1	26.6	48.3*	55.8*	37.5	43.6
Delta King XTJ446	9-15	33	2	25.9	--	--	--	--
ASGROW AG4502	9-23	30	1	25.6	--	--	--	--
Delta King XTJ448	9-23	36	1	24.4	--	--	--	--
Terral TVX47R1K2	9-20	36	1	23.6	--	--	--	--
Progeny 4949RR	10-10	23	1	23.4	--	--	--	--
Terral TVX49R1L2	9-23	39	1	21.6	--	--	--	--
GROUP 4 AVERAGE	9-17	32	1	36.2	41.6	45.6	38.9	41.1
L.S.D. AT .10				8.4	7.4	5.2		
C.V. %				16.4	13.2	7.9		

TABLE 43. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 5							
Progeny 5703RR	10-08	34	1	50.4**	--	--	--	--
UniSouth USG 7563nRR	10-08	34	3	49.1*	--	--	--	--
Delta King XTJ406	10-06	34	3	48.9*	--	--	--	--
Dyna Gro 38K57	10-08	32	1	48.1*	--	--	--	--
UniSouth USG 540nRR	10-07	35	1	47.0*	49.9*	41.2	48.5	46.0
Delta Grow 5650RR	10-08	30	3	46.9*	--	--	--	--
DEKALB DKB53-51	10-02	31	3	46.5*	--	--	--	--
Progeny 5822RR	10-08	30	1	46.1*	--	--	--	--
Delta King 5767RR	10-07	34	1	46.1*	--	--	--	--
Delta King 5967RR	10-08	32	1	46.0*	--	--	--	--
ASGROW AG5501	10-02	35	2	46.0*	48.1*	43.8	47.1	46.0
Delta Grow 5960RR	10-08	33	1	45.4*	--	--	--	--
Delta Grow 5460RR	10-07	24	1	45.3*	--	--	--	--
Mersch. Rocky RR	9-23	31	2	44.8*	--	--	--	--
ASGROW AG5301	9-29	28	1	44.8*	49.1*	--	47.0	--
Golden Harvest H-5492RR	10-06	31	1	44.8*	48.9*	--	46.9	--
Delta King XTJ407	10-07	32	1	44.5*	--	--	--	--
Dyna Gro 3583NRR	10-06	33	1	44.2*	--	--	--	--
Hornbeck HBK R5620	10-08	32	1	44.1	48.3*	48.4	46.2	46.9
Mersch. Rushmore IVRR	9-29	32	1	43.9	44.8	47.7	44.4	45.5
Delta King XTJ405	10-02	26	1	43.8	--	--	--	--
MFA Morsoy RT5252N	9-29	30	2	43.7	45.0	--	44.4	--
Excel Brand 8520RR	10-02	28	1	43.6	--	--	--	--
UniSouth USG 7553nRR	10-02	37	1	43.4	--	--	--	--
Delta King 5668RR	10-07	31	1	43.4	47.9*	50.4	45.7	47.2
Delta Grow 5260RR	9-27	33	1	43.3	--	--	--	--
NK Brand S52-U3	9-26	34	2	42.8	50.0*	44.9	46.4	45.9
Progeny 5503RR	10-06	30	1	42.7	--	--	--	--
Delta King 5561RR	9-29	30	1	42.7	--	--	--	--
Gateway 5R531	10-02	32	1	41.8	--	--	--	--
ASGROW AG5605	10-06	33	2	41.4	--	--	--	--
MPride/MPV 5502NRR	10-08	30	1	41.4	46.9	--	44.2	--
Dyna Gro 3562NRR	10-07	30	1	41.3	47.1	--	44.2	--
UniSouth USG 510nRR	9-29	37	1	41.1	46.8	44.2	44.0	44.0
UniSouth USG 7524nrr	9-25	39	1	40.6	--	--	--	--
Progeny 5250RR	9-29	25	1	40.6	52.0*	--	46.3	--
Armor 53-K3	10-01	39	1	40.6	49.7*	40.4	45.2	43.6
Armor 58-V8	10-08	34	1	40.0	--	--	--	--
Delta King XTJ404	10-07	34	1	39.8	--	--	--	--
UniSouth USG 7562nRR	10-09	40	3	39.5	--	--	--	--
Delta King 5366RR	10-06	38	1	39.4	47.1	48.4	43.3	45.0
Delta King 5465RR	10-02	27	1	39.4	47.7	40.4	43.6	42.5
Progeny 5415RR	10-02	34	1	39.3	--	--	--	--
NK Brand S57-P1	10-08	36	1	39.0	--	--	--	--
Armor 56-J6	10-07	37	1	38.7	49.3*	47.3	44.0	45.1

TABLE 43. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Delta King 5661RR	10-08	34	1	38.6	45.2	48.9	41.9	44.2
Progeny 5660RR	10-10	34	1	38.4	49.9*	--	44.2	--
Mersch. Everest RR	9-29	32	1	38.3	45.7	46.3	42.0	43.4
MPride/MPV 5302NRR	10-05	31	1	38.2	44.5	--	41.4	--
Excel Brand 8528NRR	9-27	43	2	38.2	43.8	--	41.0	--
Dyna Gro 3521NRR	10-01	35	2	37.8	40.5	--	39.2	--
Vigoro V562NRR	10-10	37	2	37.8	52.4**	45.4	45.1	45.2
Delta Pine DP 5634 RR	10-10	38	2	37.3	--	--	--	--
Dyna Gro 3535NRR	10-07	31	1	37.3	43.8	--	40.6	--
MFA Morsoy RT5620N	10-08	35	1	37.2	45.4	--	41.3	--
Delta Pine DP 5915 RR	10-09	33	1	36.7	--	58.2**	--	--
Terral TVX56R1B2	10-02	31	1	36.6	--	--	--	--
Dyna Gro 3518NRR	9-24	28	2	36.5	--	--	--	--
UniSouth USG 7522nRR	9-27	39	2	36.4	47.3	--	41.9	--
MPride/MPV 5504nRR	10-08	32	2	36.4	--	--	--	--
FFR 5225RR	10-02	34	1	36.2	31.9	--	34.1	--
Pioneer 95B32	9-27	23	1	35.9	47.7	43.8	41.8	42.5
Gateway 5R500	9-23	24	1	35.1	--	--	--	--
MFA Morsoy RT 5553N	10-02	36	1	34.9	--	--	--	--
Hornbeck HBK R5422	10-02	37	1	34.9	42.7	--	38.8	--
Delta Grow 5630RR	10-10	32	1	34.3	49.6*	53.3*	42.0	45.7
Pioneer 95B42	10-01	41	1	34.1	41.0	--	37.6	--
Mersch. Olympus RR	9-23	40	1	34.0	42.3	--	38.2	--
Hornbeck HBK R5823	10-08	39	1	34.0	--	--	--	--
Armor AXR 5881	10-08	32	1	34.0	--	--	--	--
FFR 5702 RR	10-08	41	1	32.7	--	--	--	--
Delta Pine DP 5806 RR	10-11	38	1	31.7	44.9	42.8	38.3	39.8
Garst/AgriPro 5212RR/N	10-02	37	1	30.7	--	--	--	--
Pioneer 95B43	10-01	32	1	29.5	40.4	--	35.0	--
Delta Pine DP 5414RR	10-09	33	1	29.4	38.7	38.8	34.1	35.6
Delta King XTJ452	9-29	30	1	29.1	--	--	--	--
Armor 52-Q2	9-30	31	1	29.1	--	--	--	--
Dyna Gro 33B52	9-29	32	1	28.5	--	--	--	--
FFR 5542RR	9-29	31	1	24.7	--	--	--	--
Terral TVX58R1V2	10-08	40	1	23.6	--	--	--	--
Hornbeck HBK R5123	9-29	32	1	20.7	--	--	--	--
GROUP 5 AVERAGE	10-03	33	1	39.2	46.2	43.0	42.7	42.8
L.S.D. AT .10				6.2	4.6	6.8		
C.V. %				11.2	7.4	11.4		
TRIAL AVERAGE		32	1	37.7	43.6	44.4	40.6	41.9

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

-- Data not available.

** Highest yielding variety in the maturity group.

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

TABLE 44. Performance of Glyphosate Resistant Soybean Varieties evaluated on a loam soil near Portageville (Pemiscot County) on the Delta Research Center during 2001-2003.

Planted: 27 May 2003
 Harvested: 6, 20 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Dundee Silt Loam
 Soil Test: pH=6.2, OM=1.6%, P=104, K=347

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: None
 Post Emergence: Roundup Weather Max
 Irrigation: 6 inches
 Previous Crop: Cotton
 Tillage: Conventional

Cyst Nematode Population at Planting: 3300 Eggs/250cc of soil
 Growing Season Rainfall: May= 13.7, June= 2.4, July= 6.0, Aug.= 3.8, Sept.= 5.5 TOTAL=31.4 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 4							
MFA Morsoy RT 4993N	9-27	38	2	85.8**	--	--	--	--
MFA Morsoy RT 4480N	9-23	44	2	83.7*	76.8*	50.7	80.3	70.4
Southern Cross Michael	9-24	40	2	80.7*	--	--	--	--
Delta King XTJ402	9-28	37	3	79.8*	--	--	--	--
Stine S4842-4	9-28	40	4	79.6*	--	--	--	--
Mersch. Washington IXRR##	9-16	34	1	79.4*	--	--	--	--
Armor 44-R5	9-25	34	3	78.5*	--	--	--	--
Mersch. Austin RR	9-26	34	1	78.0	70.7	--	74.4	--
Delta King XTJ447	9-26	40	2	77.4	--	--	--	--
Delta Grow 4960NRR	10-02	37	3	76.9	--	--	--	--
Gateway 4R445	9-27	42	3	76.6	74.8*	52.9*	75.7	68.1
Delta King 4763RR	9-27	40	3	75.7	75.6*	--	75.6	--
Armor 47-G7	9-27	47	2	75.5	71.7	54.8*	73.6	67.3
Stine S4542-4	9-26	45	3	75.5	--	--	--	--
Armor 44-R4	9-24	41	2	75.3	73.9*	59.3*	74.6	69.5
Delta King 4868RR	9-30	40	2	74.9	71.4	49.1	73.2	65.1
Delta King XTJ450	9-29	30	4	74.7	--	--	--	--
UniSouth USG 7499nRR	9-28	39	3	74.6	69.4	--	72.0	--
Pioneer 94B73	9-20	45	2	74.5	78.0*	53.3*	76.3	68.6
Armor 49-P9	9-28	35	4	74.4	--	--	--	--
DEKALB DKB46-51	9-29	36	3	74.1	--	--	--	--
Excel Brand 8499NRR	9-28	41	4	73.9	69.7	--	71.8	--
Delta King 4461RR	9-26	42	3	73.9	76.2*	--	75.1	--
Delta King XTJ439##	9-25	38	2	73.7	--	--	--	--
Delta Pine DP 4331 RR	9-27	39	2	73.4	--	--	--	--
Pioneer 94B74	9-25	38	3	73.3	76.6*	--	75.0	--
Mersch. Phoenix IIIR	9-26	34	2	73.2	--	--	--	--
ASGROW AG4403	9-25	43	4	73.1	69.4	60.7**	71.3	67.7
MFA Morsoy RT 4809	9-26	40	2	73.0	73.3*	59.0*	--	--
Delta Grow 4860RR	9-26	40	3	73.0	74.9*	--	74.0	--
Mersch. Cleveland VIIR##	9-16	33	3	72.9	--	--	--	--
UniSouth USG 7440nRR	9-28	41	4	72.9	73.8*	--	73.4	--
Mersch. Roosevelt IIIR##	9-23	45	4	72.8	--	--	--	--
Delta King 3968RR##	9-12	39	4	72.7	70.6	--	71.6	--
Mersch. Dallas RR	9-25	39	3	72.7	74.1*	--	73.4	--
Hornbeck HBK R4820	9-30	34	1	72.6	74.6*	57.3*	73.6	68.2
Pioneer 94M70	9-23	42	4	72.5	--	--	--	--
Golden Harvest H-4772RR	9-27	44	3	72.5	--	--	--	--
Crows C4815R	9-22	41	3	72.2	72.2	--	72.2	--
Garst/AgriPro 4512RR/N	9-26	43	3	71.7	77.8*	60.7**	74.8	70.1

TABLE 44. Continued.

Brand-Variety	2003							
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	Yield (Bu / Acre)			Means	
				2003	2002	2001	2 Yr.	3 Yr.
Progeny 4860 RR	10-02	34	3	71.6	--	--	--	--
Progeny 4949RR	10-02	45	3	71.5	--	--	--	--
ASGROW AG4502	9-28	40	1	71.3	--	--	--	--
NK Brand S49-Q9	9-27	44	3	70.9	72.7*	--	71.8	--
ASGROW AG4603	9-29	36	3	70.8	72.2	--	71.5	--
Progeny 3900RR##	9-25	34	3	70.7	--	--	--	--
Delta King XTJ403	9-26	36	3	70.7	--	--	--	--
Dyna Gro 3443NRR	9-27	41	3	70.5	75.9*	60.4*	73.2	68.9
Delta King 3961RR##	9-12	40	3	70.4	66.6	48.1	68.5	61.7
Vigoro V442NRR	9-23	44	2	70.2	78.1*	53.9*	74.1	67.4
MFA Morsoy RT 4802N	9-28	42	3	70.1	--	--	--	--
Dyna Gro 3481NRR	9-28	40	3	70.1	--	--	--	--
Golden Harvest H-4534RR	9-25	37	3	69.9	71.2	--	70.6	--
UniSouth USG 7482nRR	9-26	40	3	69.7	--	--	--	--
Southern Cross Silas	9-27	41	2	69.5	70.1	--	69.8	--
Gateway 4RS463	9-23	41	4	69.5	--	--	--	--
Mersch. Denver RRSTS	9-25	40	2	69.2	66.9	--	68.1	--
Garst/AgriPro D484RR/N	9-26	44	2	68.4	62.3	55.1*	65.4	61.9
Delta Pine DP 4724 RR	9-26	38	3	68.2	--	--	--	--
Hornbeck HBK XR441-03	9-27	55	4	67.9	--	--	--	--
Progeny 4401RR	9-27	34	3	67.9	72.7*	--	70.3	--
Delta King XTJ401	9-25	36	2	67.7	--	--	--	--
Armor 39-E9##	9-12	42	2	67.6	67.4	--	67.5	--
Delta Pine DP 4690 RR	10-02	38	3	66.9	70.3	52.7*	68.6	63.3
Southern Cross Titus	10-01	44	3	66.8	71.2	--	69.0	--
Gateway 4R485	9-26	37	3	66.5	--	--	--	--
UniSouth USG 7489RR	9-26	41	4	66.5	--	46.5	--	--
Progeny 4884RR	9-26	39	4	66.2	--	--	--	--
Pioneer 94M40	9-19	41	4	65.6	--	--	--	--
Hornbeck HBK R4920	9-30	41	3	65.5	64.0	36.0	64.8	55.2
Delta King XTJ446	9-26	43	3	65.1	--	--	--	--
Delta Pine DPX 4446 RR	9-27	44	3	65.1	--	--	--	--
MPride/MPV 4904nRR	9-29	43	3	64.7	--	--	--	--
UniSouth USG 7443nRR	9-27	41	4	64.7	--	--	--	--
Pioneer 94B13	9-12	39	2	63.8	67.2	--	65.5	--
Delta King XTJ448	10-02	45	3	63.5	--	--	--	--
Terral TVX49R1L2	10-01	47	4	63.4	--	--	--	--
Schillinger 393.RCP##	9-17	41	4	62.2	--	--	--	--
FFR 4922RR	9-26	44	2	61.5	72.3	--	66.9	--
Delta Pine DP 4933 RR	9-26	45	3	61.1	66.0	--	63.6	--
Hornbeck HBK R4623	9-26	39	3	60.8	--	--	--	--
Progeny 4932RR	9-27	45	2	60.6	65.9	--	63.3	--
Dyna Gro 3468NRR	9-27	43	2	59.3	70.6	39.4	65.0	56.4
Hornbeck HBK R4922	9-25	47	2	58.4	--	--	--	--
Terral TVX47R1K2	9-30	47	2	55.0	--	--	--	--
Delta King 4967RR	9-27	42	3	53.9	--	--	--	--
GROUP 4 AVERAGE	9-25	40	3	70.5	70.7	51.3	70.6	64.2
L.S.D. AT .10				7.7	6.5	8.4		
C.V. %				7.7	6.8	11.4		

TABLE 44. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 5							
Delta King 5767RR	10-09	38	3	74.6**	--	--	--	--
Mersch. Rocky RR	10-01	42	1	74.5*	--	--	--	--
Delta King 5366RR	10-09	35	3	73.0*	70.3*	51.2*	71.7	64.8
Progeny 5503RR	10-09	38	1	72.9*	--	--	--	--
ASGROW AG5605	10-11	36	2	72.6*	--	--	--	--
MFA Morsoy RT5620N	10-11	38	2	72.2*	68.2*	--	70.2	--
Vigoro V562NRR	10-14	35	1	71.8*	63.1	45.3	67.5	60.1
ASGROW AG5501	10-07	37	2	71.8*	71.2*	49.4*	71.5	64.1
Progeny 5822RR	10-10	37	1	71.4*	--	--	--	--
Progeny 5703RR	10-10	38	2	71.2*	--	--	--	--
Dyna Gro 38K57	10-11	37	2	70.5*	--	--	--	--
Delta Grow 5630RR	10-14	42	2	70.3*	63.0	48.3*	66.7	60.5
Delta King 5967RR	10-10	35	2	70.2*	--	--	--	--
Delta King XTJ406	10-09	36	3	70.1*	--	--	--	--
UniSouth USG 7562nRR	10-14	39	1	69.9*	--	--	--	--
Progeny 5660RR	10-15	41	1	69.8*	69.9*	--	69.9	--
UniSouth USG 7563nRR	10-09	37	3	69.4*	--	--	--	--
Delta Pine DP 5634 RR	10-12	34	2	69.4*	--	--	--	--
Hornbeck HBK R5620	10-10	45	3	69.3*	73.4**	46.9*	71.4	63.2
NK Brand S57-P1	10-11	36	3	69.3*	--	--	--	--
Delta Pine DP 5915 RR	10-15	43	1	69.1*	--	50.5*	--	--
Delta Pine DP 5806 RR	10-14	42	1	68.9*	64.5	37.2	66.7	56.9
Hornbeck HBK R5123	10-05	44	1	68.8*	--	--	--	--
Dyna Gro 3535NRR	10-11	38	2	68.6*	67.1*	--	67.9	--
Armor 56-J6	10-14	37	2	68.4*	68.9*	48.8*	68.7	62.0
Dyna Gro 33B52	10-02	32	2	68.4*	--	--	--	--
UniSouth USG 7553nRR	10-08	36	2	68.3*	--	--	--	--
Dyna Gro 3562NRR	10-09	34	3	68.1	71.1*	--	69.6	--
MFA Morsoy RT 5553N	10-07	42	2	68.0	--	--	--	--
Armor 58-V8	10-11	34	1	67.9	--	--	--	--
Dyna Gro 3583NRR	10-10	33	1	67.9	--	--	--	--
Delta King XTJ407	10-10	37	2	67.9	--	--	--	--
Delta Grow 5460RR	10-09	38	2	67.5	--	--	--	--
Delta King 5668RR	10-10	33	3	67.5	69.4*	45.3	68.5	60.7
Delta King XTJ452	10-05	34	3	67.4	--	--	--	--
FFR 5542RR	10-08	36	2	67.2	--	--	--	--
Armor 52-Q2	10-02	34	3	67.1	--	--	--	--
Delta Grow 5650RR	10-10	36	2	66.9	--	--	--	--
Delta King 5661RR	10-14	42	2	66.6	64.3	38.8	65.5	56.6
ASGROW AG5301	10-05	35	2	66.6	70.7*	--	68.6	--
MPride/MPV 5504nRR	10-10	36	2	66.5	--	--	--	--
Progeny 5250RR	10-03	30	1	66.5	68.3*	--	67.4	--
Delta King XTJ404	10-08	36	3	66.5	--	--	--	--
Delta Grow 5960RR	10-11	39	2	65.4	--	--	--	--
Excel Brand 8528NRR	10-03	48	3	65.1	64.6	--	64.9	--

TABLE 44. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MFA Morsoy RT5252N	10-05	30	2	65.1	66.2*	--	65.6	--
DEKALB DKB53-51	10-03	38	3	64.5	--	--	--	--
UniSouth USG 540nRR	10-08	38	2	64.5	68.8*	48.6*	66.7	60.6
UniSouth USG 7524nrr	10-05	43	2	64.2	--	--	--	--
FFR 5225RR	10-05	38	1	63.8	75.9*	--	69.9	--
Terral TVX56R1B2	10-10	40	2	63.3	--	--	--	--
NK Brand S52-U3	10-04	32	1	63.1	69.1*	45.4	66.1	59.2
Hornbeck HBK R5422	10-07	43	1	63.1	64.1	--	63.6	--
UniSouth USG 510nRR	10-05	33	1	63.0	68.1*	40.3	65.6	57.1
Mersch. Everest RR	10-05	38	2	63.0	61.7	49.1*	62.4	57.9
Terral TVX58R1V2	10-11	39	2	62.9	--	--	--	--
Gateway 5R531	10-05	39	1	62.7	--	--	--	--
Delta Pine DP 5414RR	10-10	46	3	62.7	65.2	41.8	64.0	56.6
Hornbeck HBK R5823	10-09	40	3	62.4	--	--	--	--
Garst/AgriPro 5212RR/N	10-08	38	1	62.3	--	--	--	--
Excel Brand 8520RR	10-04	34	1	62.1	--	--	--	--
Pioneer 95B43	10-05	40	2	61.9	59.9	--	60.9	--
Armor AXR 5881	10-10	35	3	61.9	--	--	--	--
Progeny 5415RR	10-09	36	1	61.6	--	--	--	--
Gateway 5R500	10-02	32	1	61.6	--	--	--	--
UniSouth USG 7522nRR	10-01	34	2	61.4	71.6*	--	66.5	--
Delta King 5465RR	10-08	33	1	61.0	65.6	40.1	63.3	55.6
Delta King 5561RR	10-09	36	1	61.0	--	--	--	--
Mersch. Olympus RR	10-01	44	3	60.9	62.9	--	61.9	--
Mersch. Rushmore IVRR	10-06	41	2	60.1	62.0	46.3	61.1	56.1
Delta Grow 5260RR	10-04	40	3	59.5	--	--	--	--
Pioneer 95B32	10-03	30	1	58.7	65.4	41.4	62.1	55.2
Dyna Gro 3518NRR	10-01	39	2	58.6	--	--	--	--
FFR 5702 RR	10-10	40	2	58.1	--	--	--	--
MPride/MPV 5502NRR	10-09	35	1	57.8	60.1	--	59.0	--
Pioneer 95B42	10-03	42	3	57.3	68.7*	--	63.0	--
Delta King XTJ405	10-08	38	1	56.3	--	--	--	--
Dyna Gro 3521NRR	10-07	36	1	56.2	67.9*	--	62.1	--
Golden Harvest H-5492RR	10-07	33	1	55.9	65.9*	--	60.9	--
Armor 53-K3	10-05	39	1	55.1	64.4	47.8*	59.8	55.8
MPride/MPV 5302NRR	10-08	31	1	53.2	61.4	--	57.3	--
GROUP 5 AVERAGE	10-07	37	2	65.5	64.9	44.1	65.2	58.2
L.S.D. AT .10				6.4	7.5	7.5		
C.V. %				6.9	8.5	12.0		
TRIAL AVERAGE		39	2	68.1	68.2	48.0	68.1	61.4

Maturity group III soybean variety entered in the maturity group IV test.
 -- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.

TABLE 45. Performance of Glyphosate Resistant Soybean varieties evaluated on a clay soil near Portageville (Pemiscot County) on the Delta Research Center during 2001-2003.

Planted: 25 June 2003
 Harvested: 16, 23 October 2003
 Seeding Rate: 174,200 Seeds/A.
 Row Spacing: 30 Inches
 Soil Type: Portageville Clay
 Soil Test: pH=5.6, OM=4.2%, P=102, K=890

Fertilizer: N=0; P2O5=0; K2O=0
 Herbicide: Pre: Harmony GT, Dual II Mag, Scepter
 Post Emergence: Roundup Weather Max
 Irrigation: 6 inches
 Previous Crop: Soybean
 Tillage: Conventional

Cyst Nematode Population at Planting: 1662 Eggs/250cc of soil
 Growing Season Rainfall: May= 13.7, June= 2.4, July= 6.0, Aug.= 3.8, Sept.= 5.5 TOTAL=31.4 in.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	MATURITY GROUP 4							
Pioneer 94B74	10-10	35	1	58.5**	52.7	--	55.6	--
Delta King 4868RR	10-08	27	1	54.6*	62.7*	37.4	58.7	51.6
Delta King XTJ448	10-09	32	1	54.2*	--	--	--	--
MFA Morsoy RT 4809	10-08	30	1	53.4*	59.7*	39.9*	--	--
Progeny 4949RR	10-11	30	1	53.2*	--	--	--	--
MFA Morsoy RT 4993N	10-10	31	1	51.9*	--	--	--	--
Stine S4842-4	10-09	30	1	51.8*	--	--	--	--
Progeny 4860 RR	10-11	34	2	51.8*	--	--	--	--
Delta Pine DPX 4446 RR	10-07	34	1	51.7*	--	--	--	--
Hornbeck HBK R4920	10-11	32	1	51.2*	57.2*	33.5	54.2	47.3
MFA Morsoy RT 4480N	10-07	29	1	51.1*	69.2*	41.7*	60.2	54.0
Excel Brand 8499NRR	10-11	29	1	50.4	55.1*	--	52.8	--
UniSouth USG 7489RR	10-10	29	1	50.0	--	36.6	--	--
Crows C4815R	10-09	33	1	49.6	50.8	--	50.2	--
Armor 49-P9	10-08	31	1	49.6	--	--	--	--
Delta Grow 4960NRR	10-09	25	1	49.1	--	--	--	--
Southern Cross Silas	10-03	27	1	48.5	68.4*	--	58.5	--
Garst/AgriPro 4512RR/N	10-06	31	1	48.5	46.8	39.5*	47.7	44.9
NK Brand S49-Q9	10-10	32	1	48.4	64.1*	--	56.3	--
Vigoro V442NRR	10-05	30	1	48.0	66.7*	41.2*	57.4	52.0
Delta King 4967RR	10-04	31	1	47.9	--	--	--	--
Delta Pine DP 4690 RR	10-11	29	1	47.8	56.7*	37.0	52.3	47.2
MPride/MPV 4904nRR	10-11	34	1	46.9	--	--	--	--
Armor 44-R5	10-06	30	1	46.7	--	--	--	--
Terral TVX47R1K2	10-09	31	1	46.5	--	--	--	--
Terral TVX49R1L2	10-09	34	1	46.3	--	--	--	--
Gateway 4R485	10-06	32	1	46.3	--	--	--	--
ASGROW AG4403	10-05	30	1	46.2	60.5*	39.7*	53.4	48.8
Delta King 4461RR	10-08	29	1	46.2	66.9*	--	56.6	--
Dyna Gro 3443NRR	10-06	29	1	46.1	52.7	44.7*	49.4	47.8
Delta Grow 4860RR	10-07	29	1	46.1	56.3*	--	51.2	--
Mersch. Phoenix III RR	10-06	29	1	46.0	--	--	--	--
Gateway 4R445	10-04	25	1	45.7	60.5*	41.3*	53.1	49.2
Pioneer 94M70	10-04	30	1	45.3	--	--	--	--
Delta King XTJ439##	10-04	29	1	45.0	--	--	--	--
Delta King XTJ401	10-04	25	1	44.7	--	--	--	--
Delta Pine DP 4331 RR	10-07	30	1	44.7	--	--	--	--
DEKALB DKB46-51	10-05	32	1	44.6	--	--	--	--
Garst/AgriPro D484RR/N	10-05	34	1	43.9	52.3	38.4*	48.1	44.9
Schillinger 393.RCP##	10-02	24	1	43.5	--	--	--	--

TABLE 45. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
	Pioneer 94B13	10-11	29	1	43.3	51.4	--	47.4
Stine S4542-4	10-05	25	1	43.1	--	--	--	--
Hornbeck HBK R4623	10-09	30	1	43.1	--	--	--	--
Pioneer 94B73	10-05	23	2	42.9	59.9*	43.3*	51.4	48.7
Delta King XTJ450	10-10	24	1	42.8	--	--	--	--
Hornbeck HBK R4820	10-09	29	1	42.8	60.3*	38.6*	51.6	47.2
ASGROW AG4502	10-07	27	1	42.4	--	--	--	--
Progeny 4401RR	10-05	28	1	42.3	61.4*	--	51.9	--
ASGROW AG4603	10-09	28	1	42.2	62.8*	--	52.5	--
Delta King XTJ447	10-08	30	1	42.0	--	--	--	--
MFA Morsoy RT 4802N	10-05	29	1	41.9	--	--	--	--
Delta King XTJ403	10-06	25	1	41.4	--	--	--	--
Pioneer 94M40	10-06	30	1	41.2	--	--	--	--
Delta King XTJ446	10-08	30	1	40.9	--	--	--	--
Delta Pine DP 4933 RR	10-08	32	1	40.8	51.4	--	46.1	--
Delta Pine DP 4724 RR	10-05	27	1	40.7	--	--	--	--
Mersch. Dallas RR	10-08	30	1	40.7	70.3**	--	55.5	--
Golden Harvest H-4534RR	10-07	23	1	40.6	57.0*	--	48.8	--
Gateway 4RS463	10-05	33	1	40.6	--	--	--	--
Armor 44-R4	10-06	25	1	40.4	62.4*	42.7*	51.4	48.5
Mersch. Cleveland VIIRR##	9-29	22	1	40.4	--	--	--	--
Dyna Gro 3468NRR	10-08	27	1	40.3	54.1*	34.3	47.2	42.9
Mersch. Denver RRSTS	10-07	29	1	40.1	34.1	--	37.1	--
UniSouth USG 7440nRR	10-07	30	1	40.0	54.5*	--	47.3	--
UniSouth USG 7482nRR	10-07	30	1	39.6	--	--	--	--
Hornbeck HBK R4922	10-09	34	1	39.5	--	--	--	--
Mersch. Washington IXRR##	10-03	25	1	39.5	--	--	--	--
Delta King XTJ402	10-04	26	1	39.4	--	--	--	--
Dyna Gro 3481NRR	10-07	25	1	39.0	--	--	--	--
Delta King 4763RR	10-07	28	1	39.0	40.3	--	39.7	--
Mersch. Austin RR	10-08	23	1	39.0	52.7	--	45.9	--
Southern Cross Michael	10-05	24	1	38.7	--	--	--	--
Progeny 4932RR	10-11	25	1	38.7	57.4*	--	48.1	--
UniSouth USG 7499nRR	10-07	32	1	38.5	51.5	--	45.0	--
Mersch. Roosevelt IIIRR##	9-29	24	1	37.5	--	--	--	--
Progeny 4884RR	10-05	26	1	37.5	--	--	--	--
Progeny 3900RR##	10-02	25	1	37.3	--	--	--	--
Armor 47-G7	10-05	25	1	37.0	55.2*	43.8*	46.1	45.3
UniSouth USG 7443nRR	10-07	30	1	36.7	--	--	--	--
FFR 4922RR	10-06	32	1	36.6	57.7*	--	47.2	--
Delta King 3968RR##	9-29	21	1	36.5	48.0	--	42.3	--
Southern Cross Titus	10-08	32	1	35.7	52.5	--	44.1	--
Golden Harvest H-4772RR	10-09	25	1	34.8	--	--	--	--
Armor 39-E9##	9-29	24	1	33.9	39.6	--	36.8	--
Hornbeck HBK XR441-03	10-09	36	1	33.2	--	--	--	--
Delta King 3961RR##	10-07	29	1	32.4	43.8	35.1	38.1	37.1
GROUP 4 AVERAGE	10-06	29	1	43.7	53.0	38.1	48.4	44.9
L.S.D. AT .10				7.4	17.4	6.6		
C.V. %				12.2	24.4	12.1		

TABLE 45. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
MATURITY GROUP 5								
Dyna Gro 3583NRR	10-13	28	1	56.4**	--	--	--	--
Progeny 5822RR	10-25	34	1	56.2*	--	--	--	--
Armor 58-V8	10-26	32	1	55.6*	--	--	--	--
Armor 56-J6	10-21	33	2	54.9*	42.3	40.6	48.6	45.9
ASGROW AG5605	10-21	32	1	54.8*	--	--	--	--
Delta Pine DP 5634 RR	10-23	35	1	54.7*	--	--	--	--
Vigoro V562NRR	10-11	31	2	54.5*	55.5*	42.9	55.0	51.0
Delta King 5967RR	10-26	33	2	54.4*	--	--	--	--
Progeny 5660RR	10-20	31	2	54.2*	57.2*	--	55.7	--
Delta Grow 5630RR	10-25	31	2	53.3*	52.9	39.3	53.1	48.5
UniSouth USG 7562nRR	10-26	33	1	52.9*	--	--	--	--
Delta Grow 5960RR	10-20	31	1	52.8*	--	--	--	--
Dyna Gro 3562NRR	10-23	27	1	52.3*	51.4	--	51.9	--
Hornbeck HBK R5620	10-21	32	2	52.3*	54.2*	40.9	53.3	49.1
Delta King XTJ404	10-26	31	1	52.0*	--	--	--	--
Delta King 5366RR	10-24	32	2	51.9*	41.3	39.5	46.6	44.2
UniSouth USG 7563nRR	10-23	32	1	51.2*	--	--	--	--
Hornbeck HBK R5123	10-19	35	1	50.3	--	--	--	--
Delta Grow 5460RR	10-12	29	1	50.3	--	--	--	--
Dyna Gro 33B52	10-11	33	1	50.0	--	--	--	--
FFR 5702 RR	10-20	36	1	50.0	--	--	--	--
Armor 52-Q2	10-13	29	2	49.9	--	--	--	--
Mersch. Rushmore IVRR	10-16	29	1	49.7	48.7	42.2	49.2	46.9
Delta King XTJ407	10-21	32	1	49.6	--	--	--	--
Delta King 5668RR	10-22	26	2	49.6	59.0*	45.1**	54.3	51.2
MPride/MPV 5502NRR	10-22	24	1	49.3	43.3	--	46.3	--
Terral TVX56R1B2	10-18	36	1	49.3	--	--	--	--
Delta Grow 5650RR	10-25	33	2	49.3	--	--	--	--
ASGROW AG5501	10-13	31	1	49.2	52.8	39.7	51.0	47.2
Delta King 5767RR	10-23	29	3	49.0	--	--	--	--
Delta King XTJ406	10-25	32	1	48.8	--	--	--	--
MFA Morsoy RT 5553N	10-23	30	1	48.7	--	--	--	--
Dyna Gro 38K57	10-21	32	1	48.7	--	--	--	--
UniSouth USG 7553nRR	10-12	30	1	48.5	--	--	--	--
MFA Morsoy RT5620N	10-25	32	2	48.4	54.0*	--	51.2	--
ASGROW AG5301	10-21	25	1	48.2	60.9*	--	54.6	--
Mersch. Rocky RR	10-09	30	1	48.2	--	--	--	--
Dyna Gro 3535NRR	10-25	32	3	48.1	57.2*	--	52.7	--
MPride/MPV 5504nRR	10-21	31	1	47.4	--	--	--	--
Excel Brand 8528NRR	10-18	30	1	47.2	62.1*	--	54.7	--
Delta Pine DP 5915 RR	10-23	28	1	47.2	--	42.6	--	--
Progeny 5503RR	10-18	28	1	47.1	--	--	--	--
UniSouth USG 7524nrr	10-15	33	1	47.0	--	--	--	--
UniSouth USG 540nRR	10-15	32	1	46.8	55.1*	42.0	51.0	48.0
Gateway 5R531	10-14	32	1	46.6	--	--	--	--

TABLE 45. Continued.

Brand-Variety	2003			Yield (Bu / Acre)			Means	
	Mat- urity Date	Plant Height (In)	Lodging Score (1-5)	2003	2002	2001	2 Yr.	3 Yr.
Progeny 5703RR	10-23	30	2	46.5	--	--	--	--
Hornbeck HBK R5823	10-23	33	2	46.5	--	--	--	--
Delta King XTJ452	10-12	29	1	46.5	--	--	--	--
Pioneer 95B32	10-16	31	1	46.2	59.7*	36.2	53.0	47.4
Armor AXR 5881	10-20	27	1	46.1	--	--	--	--
Terral TVX58R1V2	10-24	38	2	46.0	--	--	--	--
Delta Pine DP 5414RR	10-20	31	2	45.8	56.7*	38.2	51.3	46.9
Delta Pine DP 5806 RR	10-26	32	1	45.7	54.2*	41.8	50.0	47.2
Progeny 5415RR	10-14	25	1	45.6	--	--	--	--
Delta King 5561RR	10-17	29	1	45.5	--	--	--	--
Pioneer 95B43	10-19	30	1	44.7	60.8*	--	52.8	--
NK Brand S57-P1	10-14	25	1	44.5	--	--	--	--
Golden Harvest H-5492RR	10-14	25	1	43.9	53.3	--	48.6	--
Excel Brand 8520RR	10-19	23	1	43.7	--	--	--	--
Garst/AgriPro 5212RR/N	10-16	33	1	42.8	--	--	--	--
Delta King 5465RR	10-15	25	1	42.7	61.1*	37.2	51.9	47.0
Hornbeck HBK R5422	10-15	32	1	42.4	56.8*	--	49.6	--
Progeny 5250RR	10-11	30	1	42.3	62.5*	--	52.4	--
Gateway 5R500	10-15	25	1	41.3	--	--	--	--
Delta Grow 5260RR	10-15	27	1	41.0	--	--	--	--
Delta King XTJ405	10-13	32	1	40.9	--	--	--	--
MPride/MPV 5302NRR	10-21	23	1	40.8	56.4*	--	48.6	--
FFR 5225RR	10-15	28	1	40.7	54.7*	--	47.7	--
Dyna Gro 3518NRR	10-14	35	1	40.3	--	--	--	--
Pioneer 95B42	10-19	32	1	40.0	50.8	--	45.4	--
UniSouth USG 7522nRR	10-13	32	1	40.0	64.0**	--	52.0	--
MFA Morsoy RT5252N	10-10	29	1	39.7	59.9*	--	49.8	--
FFR 5542RR	10-20	28	2	39.4	--	--	--	--
Armor 53-K3	10-22	23	1	38.8	51.9	38.5	45.4	43.1
DEKALB DKB53-51	10-18	31	1	37.9	--	--	--	--
Mersch. Everest RR	10-21	34	1	37.8	54.2*	36.9	46.0	43.0
NK Brand S52-U3	10-17	28	1	37.7	51.7	37.6	44.7	42.3
UniSouth USG 510nRR	10-14	32	1	37.7	48.5	35.8	43.1	40.7
Mersch. Olympus RR	10-09	30	1	36.3	56.7*	--	46.5	--
Dyna Gro 3521NRR	10-21	34	1	35.7	53.2	--	44.5	--
Delta King 5661RR	10-14	25	1	34.9	45.3	35.8	40.1	38.7
GROUP 5 AVERAGE	10-18	30	1	46.7	52.8	38.5	49.8	46.0
L.S.D. AT .10				5.6	10.3	NS		
C.V. %				8.5	14.3	10.2		
TRIAL AVERAGE		29	1	45.2	52.9	38.3	49.0	45.4

Maturity group III soybean variety entered in the maturity group IV test.
 -- Data not available.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.
 NS Not Significant.

TABLE 46. Performance Summary for Glyphosate Resistant Varieties evaluated at Four Southeast Missouri locations (Oran, Morely, Portageville (Loam), Portageville (Clay)) during 2003.

Oran
Planted: 31 May 2003
Harvested: 7, 21 October 2003
Growing Season Rainfall: 27.5 in.
Irrigation: None

Morely
Planted: 14, 15 May 2003
Harvested: 16 October 2003
Growing Season Rainfall: 27.5 in.
Irrigation: 16 inches

Portageville (Loam)
Planted: 27 May 2003
Harvested: 6, 20 October 2003
Growing Season Rainfall: 31.4 in.
Irrigation: 6 inches

Portageville (Clay)
Planted: 25 June 2003
Harvested: 16, 23 October 2003
Growing Season Rainfall: 31.4 in.
Irrigation: 6 inches

Yield (Bu/Acre)

Brand-Variety	Oran	Morely	Portageville (Loam)	Portageville (Clay)	Mean
MATURITY GROUP 4					
MFA Morsoy RT 4993N	75.3	49.5*	85.8**	51.9*	65.6**
Stine S4842-4	71.0	50.7*	79.6*	51.8*	63.3*
Delta Grow 4960NRR	86.5**	35.4	76.9	49.1	62.0*
MFA Morsoy RT 4480N	71.6	36.9	83.7*	51.1*	60.8
Armor 49-P9	70.0	46.6*	74.4	49.6	60.1
ASGROW AG4603	71.7	53.0**	70.8	42.2	59.4
Pioneer 94B74	67.9	37.7	73.3	58.5**	59.4
NK Brand S49-Q9	72.9	44.4	70.9	48.4	59.2
Progeny 4860 RR	72.8	40.2	71.6	51.8*	59.1
Armor 44-R5	68.7	41.8	78.5*	46.7	58.9
MFA Morsoy RT 4809	69.7	39.6	73.0	53.4*	58.9
Delta King 4763RR	71.0	49.9*	75.7	39.0	58.9
Crows C4815R	71.3	41.9	72.2	49.6	58.8
Progeny 4401RR	71.6	51.0*	67.9	42.3	58.2
DEKALB DKB46-51	71.8	42.1	74.1	44.6	58.1
Southern Cross Michael	73.7	39.4	80.7*	38.7	58.1
Delta King XTJ450	77.1	37.6	74.7	42.8	58.0
Delta King XTJ402	70.0	41.8	79.8*	39.4	57.8
Gateway 4R445	69.2	38.2	76.6	45.7	57.4
Delta King XTJ447	67.0	43.0	77.4	42.0	57.4
ASGROW AG4403	70.1	39.9	73.1	46.2	57.3
Armor 47-G7	70.8	45.8*	75.5	37.0	57.3
Mersch. Phoenix IIIR	72.1	37.6	73.2	46.0	57.2
Mersch. Washington IXRR##	75.7	34.2	79.4*	39.5	57.2
Southern Cross Silas	69.4	39.9	69.5	48.5	56.8
Garst/AgriPro 4512RR/N	70.4	36.5	71.7	48.5	56.8
Delta King XTJ439##	71.1	37.1	73.7	45.0	56.7
Delta King 4868RR	69.7	27.4	74.9	54.6*	56.6
UniSouth USG 7499nRR	66.9	45.5*	74.6	38.5	56.4
Excel Brand 8499NRR	70.7	30.0	73.9	50.4	56.2
Vigoro V442NRR	70.1	36.7	70.2	48.0	56.2
Stine S4542-4	69.2	35.8	75.5	43.1	55.9
Pioneer 94M70	68.4	37.3	72.5	45.3	55.9
Mersch. Roosevelt IIIR##	74.6	38.5	72.8	37.5	55.8
Delta Grow 4860RR	68.2	36.0	73.0	46.1	55.8
Armor 44-R4	67.7	39.5	75.3	40.4	55.7
Mersch. Austin RR	71.1	34.2	78.0	39.0	55.6
Delta Pine DP 4331 RR	71.1	32.7	73.4	44.7	55.5
Hornbeck HBK R4820	73.6	32.6	72.6	42.8	55.4
Delta King 4461RR	66.5	34.6	73.9	46.2	55.3

Table 46. Continued.

Brand-Variety	Yield (Bu/Acre)				Mean
	Oran	Morely	Portageville (Loam)	Portageville (Clay)	
Garst/AgriPro D484RR/N	65.9	42.8	68.4	43.9	55.2
UniSouth USG 7440nRR	73.8	32.8	72.9	40.0	54.9
Golden Harvest H-4772RR	68.1	43.8	72.5	34.8	54.8
Dyna Gro 3443NRR	68.5	34.0	70.5	46.1	54.8
Delta King XTJ401	69.0	36.2	67.7	44.7	54.4
Delta King 3968RR##	70.2	37.2	72.7	36.5	54.1
Delta Pine DP 4690 RR	64.7	37.1	66.9	47.8	54.1
Gateway 4R485	66.2	35.2	66.5	46.3	53.5
Golden Harvest H-4534RR	68.0	34.9	69.9	40.6	53.4
UniSouth USG 7482nRR	65.5	38.6	69.7	39.6	53.3
Mersch. Cleveland VIIRR##	71.5	28.4	72.9	40.4	53.3
Pioneer 94B73	69.2	26.6	74.5	42.9	53.3
Pioneer 94B13	69.6	36.5	63.8	43.3	53.3
MFA Morsoy RT 4802N	64.4	36.7	70.1	41.9	53.3
Delta King XTJ403	66.2	34.8	70.7	41.4	53.3
Progeny 4949RR	64.8	23.4	71.5	53.2*	53.2
Progeny 3900RR##	74.3	30.6	70.7	37.3	53.2
Dyna Gro 3481NRR	69.8	33.3	70.1	39.0	53.0
Delta Pine DPX 4446 RR	61.5	33.8	65.1	51.7*	53.0
UniSouth USG 7489RR	62.5	31.8	66.5	50.0	52.7
Mersch. Dallas RR	64.9	32.4	72.7	40.7	52.7
Armor 39-E9##	70.2	38.8	67.6	33.9	52.6
Hornbeck HBK R4920	64.7	28.0	65.5	51.2*	52.3
ASGROW AG4502	69.9	25.6	71.3	42.4	52.3
Southern Cross Titus	68.1	37.5	66.8	35.7	52.0
Delta Pine DP 4724 RR	68.9	29.9	68.2	40.7	51.9
UniSouth USG 7443nRR	64.1	41.7	64.7	36.7	51.8
Mersch. Denver RRSTS	65.5	32.3	69.2	40.1	51.8
Pioneer 94M40	63.9	35.6	65.6	41.2	51.6
Hornbeck HBK XR441-03	61.1	42.1	67.9	33.2	51.1
Delta King 4967RR	68.8	33.5	53.9	47.9	51.0
Gateway 4RS463	62.6	31.4	69.5	40.6	51.0
MPride/MPV 4904nRR	58.5	32.7	64.7	46.9	50.7
Delta King XTJ448	60.3	24.4	63.5	54.2*	50.6
Dyna Gro 3468NRR	63.9	38.2	59.3	40.3	50.4
Schillinger 393.RCP##	66.5	29.1	62.2	43.5	50.3
Hornbeck HBK R4922	65.8	37.4	58.4	39.5	50.3
Progeny 4884RR	65.3	32.0	66.2	37.5	50.2
Delta Pine DP 4933 RR	64.2	34.9	61.1	40.8	50.2
Progeny 4932RR	63.3	34.4	60.6	38.7	49.2
Delta King 3961RR##	60.7	31.3	70.4	32.4	48.7
FFR 4922RR	63.3	32.9	61.5	36.6	48.6
Hornbeck HBK R4623	60.6	29.1	60.8	43.1	48.4
Terral TVX49R1L2	59.0	21.6	63.4	46.3	47.6
Terral TVX47R1K2	64.1	23.6	55.0	46.5	47.3
Delta King XTJ446	55.2	25.9	65.1	40.9	46.8
GROUP 4 AVERAGE	68.2	36.2	70.5	43.7	54.7
L.S.D. AT .10	5.6	8.4	7.7	7.4	3.7
C.V. %	5.7	16.4	7.7	12.2	10.5

Table 46. Continued.

Brand-Variety	Yield (Bu/Acre)				
	Oran	Morely	Portageville (Loam)	Portageville (Clay)	Mean
MATURITY GROUP 5					
Delta King 5967RR	68.5*	46.0*	70.2*	54.4*	59.8**
Progeny 5822RR	63.9	46.1*	71.4*	56.2*	59.4*
ASGROW AG5605	66.5*	41.4	72.6*	54.8*	58.8*
Mersch. Rocky RR	67.3*	44.8*	74.5*	48.2	58.7*
Delta King XTJ406	66.3*	48.9*	70.1*	48.8	58.5*
UniSouth USG 7563nRR	64.2	49.1*	69.4*	51.2*	58.5*
ASGROW AG5501	66.6*	46.0*	71.8*	49.2	58.4*
Vigoro V562NRR	67.6*	37.8	71.8*	54.5*	57.9*
Dyna Gro 38K57	64.2	48.1*	70.5*	48.7	57.9*
Delta King XTJ407	68.7*	44.5*	67.9	49.6	57.7*
Delta Grow 5650RR	67.1*	46.9*	66.9	49.3	57.6*
Delta King 5767RR	60.4	46.1*	74.6**	49.0	57.5*
Delta Grow 5460RR	66.8*	45.3*	67.5	50.3	57.5*
Armor 58-V8	66.3*	40.0	67.9	55.6*	57.4*
UniSouth USG 7553nRR	69.4**	43.4	68.3*	48.5	57.4*
Progeny 5703RR	61.4	50.4**	71.2*	46.5	57.4*
Progeny 5503RR	66.1*	42.7	72.9*	47.1	57.2*
Delta Grow 5960RR	63.5	45.4*	65.4	52.8*	56.8*
Delta King 5366RR	62.4	39.4	73.0*	51.9*	56.7
ASGROW AG5301	66.2*	44.8*	66.6	48.2	56.4
Delta King 5668RR	64.8*	43.4	67.5	49.6	56.3
UniSouth USG 7562nRR	62.7	39.5	69.9*	52.9*	56.2
Progeny 5660RR	62.3	38.4	69.8*	54.2*	56.2
Delta Pine DP 5634 RR	62.7	37.3	69.4*	54.7*	56.0
Dyna Gro 3583NRR	55.5	44.2*	67.9	56.4**	56.0
UniSouth USG 540nRR	65.2*	47.0*	64.5	46.8	55.9
Hornbeck HBK R5620	56.8	44.1	69.3*	52.3*	55.6
Dyna Gro 3562NRR	60.3	41.3	68.1	52.3*	55.5
Delta King XTJ404	62.9	39.8	66.5	52.0*	55.3
Armor 56-J6	59.0	38.7	68.4*	54.9*	55.2
MFA Morsoy RT5620N	62.4	37.2	72.2*	48.4	55.0
Mersch. Rushmore IVRR	65.2*	43.9	60.1	49.7	54.7
Delta King 5561RR	68.7*	42.7	61.0	45.5	54.5
Delta Grow 5630RR	59.1	34.3	70.3*	53.3*	54.2
MFA Morsoy RT 5553N	64.1	34.9	68.0	48.7	53.9
Delta Pine DP 5915 RR	62.1	36.7	69.1*	47.2	53.8
MFA Morsoy RT5252N	66.5*	43.7	65.1	39.7	53.8
Progeny 5250RR	65.5*	40.6	66.5	42.3	53.7
Dyna Gro 3535NRR	60.6	37.3	68.6*	48.1	53.6
UniSouth USG 7524nrr	62.6	40.6	64.2	47.0	53.6
Gateway 5R531	62.8	41.8	62.7	46.6	53.5
Delta Pine DP 5806 RR	67.0*	31.7	68.9*	45.7	53.3
Excel Brand 8520RR	63.6	43.6	62.1	43.7	53.2
Dyna Gro 33B52	66.0*	28.5	68.4*	50.0	53.2
Excel Brand 8528NRR	62.2	38.2	65.1	47.2	53.2

Table 46. Continued.

Brand-Variety	Yield (Bu/Acre)				Mean
	Oran	Morely	Portageville (Loam)	Portageville (Clay)	
MPride/MPV 5504nRR	62.0	36.4	66.5	47.4	53.1
Golden Harvest H-5492RR	66.9*	44.8*	55.9	43.9	52.9
DEKALB DKB53-51	62.3	46.5*	64.5	37.9	52.8
Armor 52-Q2	65.0*	29.1	67.1	49.9	52.8
Progeny 5415RR	64.0	39.3	61.6	45.6	52.6
Terral TVX56R1B2	60.3	36.6	63.3	49.3	52.4
Delta King XTJ452	65.7*	29.1	67.4	46.5	52.2
NK Brand S57-P1	55.8	39.0	69.3*	44.5	52.2
NK Brand S52-U3	64.5*	42.8	63.1	37.7	52.0
Delta King 5465RR	64.8*	39.4	61.0	42.7	52.0
Delta King XTJ405	66.8*	43.8	56.3	40.9	52.0
MPride/MPV 5502NRR	59.1	41.4	57.8	49.3	51.9
Delta Grow 5260RR	62.8	43.3	59.5	41.0	51.6
Pioneer 95B32	65.4*	35.9	58.7	46.2	51.6
Hornbeck HBK R5823	63.1	34.0	62.4	46.5	51.5
Armor AXR 5881	62.8	34.0	61.9	46.1	51.2
UniSouth USG 510nRR	62.2	41.1	63.0	37.7	51.0
Hornbeck HBK R5123	62.5	20.7	68.8*	50.3	50.6
Armor 53-K3	67.8*	40.6	55.1	38.8	50.6
Mersch. Everest RR	61.7	38.3	63.0	37.8	50.2
FFR 5225RR	59.9	36.2	63.8	40.7	50.2
Hornbeck HBK R5422	58.4	34.9	63.1	42.4	49.7
Delta King 5661RR	58.5	38.6	66.6	34.9	49.6
UniSouth USG 7522nRR	59.7	36.4	61.4	40.0	49.4
Delta Pine DP 5414RR	58.8	29.4	62.7	45.8	49.2
Garst/AgriPro 5212RR/N	59.9	30.7	62.3	42.8	48.9
Gateway 5R500	57.6	35.1	61.6	41.3	48.9
Dyna Gro 3518NRR	59.9	36.5	58.6	40.3	48.8
FFR 5702 RR	53.8	32.7	58.1	50.0	48.6
Mersch. Olympus RR	62.1	34.0	60.9	36.3	48.3
MPride/MPV 5302NRR	61.1	38.2	53.2	40.8	48.3
FFR 5542RR	59.6	24.7	67.2	39.4	47.7
Pioneer 95B43	54.1	29.5	61.9	44.7	47.6
Pioneer 95B42	58.8	34.1	57.3	40.0	47.5
Terral TVX58R1V2	57.6	23.6	62.9	46.0	47.5
Dyna Gro 3521NRR	58.1	37.8	56.2	35.7	46.9
GROUP 5 AVERAGE	62.8	39.2	65.5	46.7	53.6
L.S.D. AT .10	5.1	6.2	6.4	5.6	2.9
C.V. %	5.8	11.2	6.9	8.5	8.1
TRIAL AVERAGE	65.6	37.7	68.1	45.2	54.1

Maturity group III soybean variety entered in the maturity group IV test.
 ** Highest yielding variety in the maturity group.
 * Yield not significantly less than the highest yielding variety in the maturity group.

Soybean Characteristic Information

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
Anand	V	5	N	NA	NA	Hartwig	None	
Armor 39-E9	-	3	N	3	-	-	GR	
Armor 44-R4	-	4	N	5	-	-	GR	
Armor 44-R5	-	4	N	-	-	-	GR,STS	
Armor 47-G7	-	4	N	5	-	-	GR	
Armor 49-P9	-	4	Y	-	-	-	GR	
Armor 52-C2	-	5	N	3	-	-	None	
Armor 52-Q2	-	5	Y	-	-	-	GR	
Armor 53-K3	-	5	N	3	-	-	GR	
Armor 56-C4	-	5	N	3	-	-	None	
Armor 56-J6	-	5	N	3	-	-	GR	
Armor 58-V8	-	5	Y	-	-	-	GR	
Armor AXR 5881	-	5	Y	-	-	-	GR	
Arrow A3663RRN	BR	3	N	2	Rps 1c	PI88788	GR	
Arrow A3883RRN	BR	3	N	1	Rps 1k	PI88788	GR	
Arrow A3994RRN	BR	3	N	-	Rps 1k	PI88788	GR	
ASGROW AG3005	V	3	N	5	Rps 1c	Susceptible	GR	
ASGROW AG3202	V	3	N	5	Rps 1c	PI88788	GR	
ASGROW AG3801	V	3	N	5	Rps 1c	PI88788	GR	
ASGROW AG3905	V	3	N	4	Rps 1c	PI88788	GR	
ASGROW AG4201	V	4	N	4	S	PI88788	GR	
ASGROW AG4403	V	4	N	5	Rps 1a	PI88788	GR	
ASGROW AG4502	V	4	N	5	Rps 7	PI88788	GR	
ASGROW AG4603	V	4	N	5	S	PI88788	GR	
ASGROW AG5301	V	5	N	2	Rps 3a	PI88788	GR	
ASGROW AG5501	V	5	N	3	S	PI88788	GR	
ASGROW AG5605	V	5	N	3	S	PI88788	GR	
Bio Gene BG3620NRR	BR	3	N	3	Rps 1k	PI88788	GR	
Bio Gene BG4200NRRST	BR	4	N	5	S	PI88788	GR	
Bio Gene BG4401NRR	BR	4	N	4	Rps 1a	PI88788	GR	
Crows C3717R	V	3	N	2.5	Rps 1c	PI88788	GR	
Crows C3915R	V	3	N	2.5	Rps 1c	PI88788	GR	
Crows C4815R	V	4	N	1.9	S	PI88788	GR	
DEKALB DKB36-51	V	3	N	4	Rps 1c	PI88788	GR	
DEKALB DKB37-51	V	3	N	5	Rps 1c	PI88788	GR	
DEKALB DKB38-52	V	3	N	4	Rps 1c	PI88788	GR	
DEKALB DKB46-51	V	4	N	4	S	PI88788	GR	
DEKALB DKB53-51	V	5	N	4	S	PI88788	GR	
Delta Grow 4860RR	BR	4	N	4	S	PI88788	GR	
Delta Grow 4960NRR	BR	4	N	5	S	Peking	GR	
Delta Grow 5260RR	BR	5	N	5	S	PI88788	GR	
Delta Grow 5460RR	BR	5	N	4	S	PI88788	GR	
Delta Grow 5630RR	BR	5	N	4	S	PI88788	GR	
Delta Grow 5650RR	BR	5	N	3	S	PI88788	GR	
Delta Grow 5960RR	BR	5	N	4	S	PI88788	GR	
Delta King XTJ439	V	3	Y	NA	NA	PI88788	GR	
Delta King 3961RR	V	3	N	NA	NA	PI88788	GR	

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
Delta King 3968RR	V	3	N	NA	Rps 1c	PI88788	GR	
Delta King 4461RR	V	4	N	NA	Rps 1a	PI88788	GR	
Delta King 4763RR	V	4	N	NA	NA	PI88788	GR	
Delta King 4868RR	V	4	N	NA	Rps 1a	PI88788	GR	
Delta King 4967RR	V	4	N	NA	NA	PI88788	GR	
Delta King 5366RR	V	5	N	NA	Rps 1c	PI88788	GR	
Delta King 5465RR	V	5	N	NA	Rps 1k	PI88788	GR	
Delta King 5561RR	V	5	N	NA	NA	PI88788	GR	
Delta King 5661RR	V	5	N	NA	NA	PI88788	GR	
Delta King 5668RR	V	5	N	NA	Rps 1k	PI88788	GR	
Delta King 5767RR	V	5	N	NA	NA	PI88788	GR	
Delta King 5967RR	V	5	N	NA	NA	PI88788	GR	
Delta King XTJ401	V	4	Y	NA	NA	PI88788	GR	
Delta King XTJ402	V	4	Y	NA	NA	PI88788	GR	
Delta King XTJ403	V	4	Y	NA	NA	PI88788	GR	
Delta King XTJ404	V	5	Y	NA	NA	PI88788	GR	
Delta King XTJ405	V	5	Y	NA	NA	PI88788	GR	
Delta King XTJ406	V	5	Y	NA	NA	PI88788	GR	
Delta King XTJ407	V	5	Y	NA	NA	PI88788	GR	
Delta King XTJ446	V	4	Y	NA	NA	PI88788	GR	
Delta King XTJ447	V	4	Y	NA	NA	PI88788	GR	
Delta King XTJ448	V	4	Y	NA	NA	PI88788	GR	
Delta King XTJ450	V	4	Y	NA	NA	PI88788	GR	
Delta King XTJ452	V	5	Y	NA	NA	PI88788	GR	
Delta Pine DP 4331 RR	BR	4	N	2	Rps 1a	PI88788	GR	
Delta Pine DP 4690 RR	BR	4	N	2	Rps 1a	Susceptible	GR	
Delta Pine DP 4724 RR	BR	4	N	2	Rps 1k	PI88788	GR	
Delta Pine DP 4748 S	BR	4	N	3	Rps 1k	Susceptible	STS	
Delta Pine DP 4933 RR	BR	4	N	2.5	-	PI88788	GR	
Delta Pine DP 5414RR	BR	5	N	2	-	PI88788,Peking	GR	
Delta Pine DP 5634 RR	BR	5	N	3	Rps 1a	PI88788,Peking	GR	
Delta Pine DP 5806 RR	BR	5	N	3	-	PI88788,Peking	GR	
Delta Pine DP 5915 RR	BR	5	N	2	-	PI88788,Peking	GR	
Delta Pine DPX 4446 RR	BR	4	Y	2	-	Susceptible	GR	
Delta Pine DPX 5520S	BR	5	Y	2	-	Susceptible	STS	
Dyna Gro 3362NRR	V	3	N	NA	Rps 1k	PI88788	GR	
Dyna Gro 3390NRR	V	3	N	2	Rps 1c	PI88788	GR	
Dyna Gro 33A37	V	3	B	2.1	Rps 1c	PI88788	GR	
Dyna Gro 33B52	V	5	N	3	-	-	GR	
Dyna Gro 3443NRR	V	4	N	3	-	-	GR	
Dyna Gro 3468NRR	V	4	N	4	-	-	GR	
Dyna Gro 3481NRR	V	4	N	2	-	-	GR	
Dyna Gro 34P38	V	3	N	NA	Rps 1k	PI88788	GR	
Dyna Gro 3518NRR	V	5	N	3	-	-	GR	
Dyna Gro 3521NRR	V	5	N	3	-	-	GR	
Dyna Gro 3535NRR	V	5	N	-	-	-	GR	
Dyna Gro 3562NRR	V	5	N	2	-	-	GR	
Dyna Gro 3583NRR	V	5	N	2	-	-	GR	
Dyna Gro 37R39	V	3	N	NA	Rps 1k	PI88788	GR	

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
Dyna Gro 38K57	V	5	N	3	-	-	GR	
Excel Brand 8342NNRR	BR	3	N	1.9	Rps 1k	PI88788	GR	
Excel Brand 8359RR	BR	3	N	1.6	Rps 1k	Susceptible	GR	
Excel Brand 8411NRR	BR	4	N	3	S	PI88788	GR	
Excel Brand 8416NRR	BR	4	N	1.5	S	PI88788	GR	
Excel Brand 8448NRR	BR	4	N	3	S	PI88788	GR	
Excel Brand 8499NRR	BR	4	N	2.5	S	PI88788	GR	
Excel Brand 8520RR	BR	5	N	NA	S	PI88788	GR	
Excel Brand 8528NRR	BR	5	N	1.8	S	PI88788	GR	
FFR 4922RR	BR	4	N	2.3	S	PI88788	GR	
FFR 5225RR	BR	5	N	2	Rps 1c	PI88788	GR	
FFR 5542RR	BR	5	N	2.9	S	PI88788	GR	
FFR 5702 RR	BR	5	N	2.1	S	PI88788	GR	
Fontanelle 421NRR	V	4	N	1	S	PI88788	GR	
Fontanelle 9162NRR	V	3	N	1	Rps 1k	PI88788	GR	
Fontanelle 9192NRR	V	3	N	1	Rps 1k	PI88788	GR	
Fontanelle 9241RR	V	3	N	1	Rps 1k	Susceptible	GR	
Fontanelle 9371NRR	V	3	N	2	Rps 1c	PI88788	GR	
Garst/AgriPro D484RR/N	-	4	-	-	-	-	GR	
Garst/AgriPro 3212RR/N	-	3	N	-	Rps 1k	-	GR	
Garst/AgriPro 3812 RR/N	-	3	N	-	-	Susceptible	GR	
Garst/AgriPro 3824RR/N	-	3	N	-	Rps 1c	-	GR	
Garst/AgriPro 4112RR/N	-	4	N	-	-	-	GR	
Garst/AgriPro 4512RR/N	-	4	N	-	Rps 1a	Susceptible	GR	
Garst/AgriPro 5212RR/N	-	5	N	-	-	-	GR	
Gateway 471	BR	4	N	NA	NA	NA	None	
Gateway 4R445	BR	4	N	1.8	Rps 1a	NA	GR	
Gateway 4R485	BR	4	N	2.1	NA	NA	GR	
Gateway 4RS463	BR	4	N	2	NA	NA	GR,STS	
Gateway 5R500	BR	5	N	2.2	NA	Susceptible	GR	
Gateway 5R531	BR	5	N	2	NA	NA	GR	
Golden Harvest H-3631RR	BR	3	N	2.5	Rps 1k	PI88788	GR	
Golden Harvest H-3643RR	BR	3	N	4	S	PI88788	GR	
Golden Harvest H-3945RR	BR	3	N	3	Rps 1c	PI88788	GR	
Golden Harvest H-4368RR	BR	4	N	2.5	S	PI88788	GR	
Golden Harvest H-4534RR	BR	4	N	4	Rps 1a	PI88788	GR	
Golden Harvest H-4772RR	BR	4	N	4	S	PI88788	GR	
Golden Harvest H-5492RR	BR	5	N	4	S	PI88788	GR	
Hornbeck HBK 4944CX	BR	4	N	2	Rps 1k	Hartwig	None	
Hornbeck HBK 5991	BR	5	N	2	seg 1c	PI88788	None	
Hornbeck HBK R4623	BR	4	Y	2	R3,4,7	-	GR	
Hornbeck HBK R4820	BR	4	N	2	-	-	GR	
Hornbeck HBK R4920	BR	4	N	2	-	-	GR	
Hornbeck HBK R4922	BR	4	N	2.3	-	-	GR	
Hornbeck HBK R5123	BR	5	N	2	-	-	GR	
Hornbeck HBK R5422	BR	5	N	2	-	-	GR	
Hornbeck HBK R5620	BR	5	N	2	-	-	GR	
Hornbeck HBK R5823	BR	5	N	2.5	seg	-	GR	

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
Hornbeck HBK XR441-03	BR	4	Y	2	-	-	GR	
Kruger 383+ RR	BR	3		2	Rps 1k	Susceptible	GR	
Kruger K-353 RR	BR	3		2	Rps 1k	Susceptible	GR	
Kruger K-355 RR/SCN	BR	3		2	Rps 1k	PI88788	GR	
Kruger K-355+ RR/SCN	BR	3		2	Rps 1k	PI88788	GR	
Kruger K-379 RR/SCN	BR	3	-	3	Rps 1c	PI88788	GR	
Kruger K-379+ RR/SCN	BR	3		3	Rps 1c	PI88788	GR	
Kruger K-380 RR/SCN	BR	3	-	3	Rps 1c	PI88788	GR	
Kruger K-380+ RR/SCN	BR	3		3	Rps 1c	PI88788	GR	
Kruger K-383 RR	BR	3		2	Rps 1k	Susceptible	GR	
Kruger K-390 RR/SCN	BR	3		2	Rps 1k	PI88788	GR	
Kruger K-393 RR/SCN	BR	3		2	Rps 1k	PI88788	GR	
Kruger K-393+ RR/SCN	BR	3		2	Rps 1k	PI88788	GR	
Kruger K-395 RR/SCN	BR	3		3	Rps 1c	PI88788	GR	
Kruger K-397 RR/SCN	BR	3		4	Rps 1a	PI88788	GR	
Kruger K-399+ RR/SCN	BR	3		4	Rps 3a	Peking	GR	
Kruger K-404 RR	BR	3		2	Rps 1k	Susceptible	GR	
Kruger K-404+ RR	BR	3		2	Rps 1k	Susceptible	GR	
Lewis 3566RR	BR	3	N	2	Rps 1k	PI88788	GR	
Lewis 3715 RR	BR	3	N	3	Rps 1c	PI88788	GR	
Lewis 3875RR	BR	3	N	2	Rps 1k	PI88788	GR	
Lewis 3944 RR	BR	3	N	3	Rps 1c	PI88788	GR	
Lewis 4106RR	BR	4	N	3	S	PI88788	GR	
LG Seeds C3655RR	BR	3	N	2	Rps 1k	Susceptible	GR	
LG Seeds C3944NRR	BR	3	N	2	Rps 1c	PI88788	GR	
LG Seeds C3999NRR	BR	3	N	2	Rps 1k	PI88788	GR	
LG Seeds C4112NRR	BR	4	N	2	S	PI88788	GR	
Mersch. Austin RR	BR	4	N	3	S	PI88788	GR,STS	
Mersch. Cleveland VIIRR	BR	3	N	3	Rps 1k	PI88788	GR	
Mersch. Dallas RR	BR	4	N	3	S	PI88788	GR	
Mersch. Denver RRSTS	BR	4	N	3	S	PI88788	GR,STS	
Mersch. Everest RR	BR	5	N	3	S	PI88788	GR	
Mersch. Kennedy VIRR	BR	3	N	3	Rps 1k	PI88788	GR	
Mersch. Olympus RR	BR	5	N	3	S	PI88788	GR	
Mersch. Phoenix IIIRR	BR	4	N	3	S	PI88788	GR,STS	
Mersch. Rocky RR	BR	5	N	3	S	PI88788	GR	
Mersch. Roosevelt IIIRR	BR	3	N	3	S	PI88788	GR	
Mersch. Rushmore IVRR	BR	5	N	3	S	PI88788	GR	
Mersch. Washington IXRR	BR	3	N	3	Rps 1k	PI88788	GR	
MFA Morsoy RT 3221N	BR	3	N	2	Rps 1k	PI88788	GR	
MFA Morsoy RT 3622N	BR	3	N	2	Rps 1c	PI88788	GR	
MFA Morsoy RT 3712N	BR	3	N	2	Rps 1c	PI88788	GR	
MFA Morsoy RT 3881N	BR	3	N	2	S	PI88788	GR	
MFA Morsoy RT 3883N	BR	3	N	2	Rps 1k	PI88788	GR	
MFA Morsoy RT 3991N	BR	3	N	2	Rps 1c	PI88788	GR	
MFA Morsoy RT 4033	BR	4	N	2	Rps 1k	Susceptible	GR	
MFA Morsoy RT 4201N	BR	4	N	3	S	PI88788	GR	
MFA Morsoy RT 4202N	BR	4	N	3	S	PI88788	GR	
MFA Morsoy RT 4402N	BR	4	N	3	S	PI88788	GR	
MFA Morsoy RT 4480N	BR	4	N	3	Rps 1a	PI88788	GR	

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
MFA Morsoy RT 4802N	BR	4	N	3	S	PI88788	GR	
MFA Morsoy RT 4809N	BR	4	N	2	Rps 1a	Susceptible	GR	
MFA Morsoy RT 4993N	BR	4	Y	3	S	PI88788	GR	
MFA Morsoy RT 5553N	BR	5	Y	3	S	PI88788	GR	
MFA Morsoy RT4731N	BR	4	N	2	S	PI88788	GR	
MFA Morsoy RT5252N	BR	5	N	3	S	PI88788	GR	
MFA Morsoy RT5442N	BR	5	N	3	S	PI88788	GR	
MFA Morsoy RT5620N	BR	5	N	3	S	PI88788	GR	
Midland 9A373NRR	BR	3	N	1	S	PI88788	GR	
Midland 9A394NRR	BR	3	N	NA	1a	PI88788	GR	
Midland 9A414NRR	BR	4	N	1	Rps 1k	PI88788	GR	
Midland 9A432NRS	BR	4	N	1	Rps 1a	PI88788	GR,STS	
Midland 9A442NRR	BR	4	N	4	S	PI88788	GR	
Midland 9A462NRS	BR	4	N	4	S	PI88788	GR,STS	
Midland 9A483NRR	BR	4	N	4	S	PI88788	GR	
Midland 9E362NRR	BR	3	N	1	Rps 1k	PI88788	GR	
Midwest Seed GR3732	V	3	N	2.5	Rps 1c	PI88788	GR	
Midwest Seed GR3931	V	3	N	2	Rps 1c	PI88788	GR	
Midwest Seed GR4452	V	4	N	2.6	Rps 1a	PI88788	GR	
MPride/MPV 3303nRR	BR	3		1.8	Rps 1k	PI88788	GR	
MPride/MPV 3703nRR	BR	3		2	S	PI88788	GR	
MPride/MPV 3803 nRR	BR	3		2	Rps 1k	PI88788	GR	
MPride/MPV 3902NRR	BR	3	-	1.4	S	PI88788	GR	
MPride/MPV 3903nRR	BR	3		2	Rps 1c	PI88788	GR	
MPride/MPV 3904nRR	BR	3		1.8	Rps 1k	PI88788	GR	
MPride/MPV 4003nRR	BR	4		1.8	S	PI88788	GR	
MPride/MPV 4004nRR	BR	4		1.8	Rps 1k	PI88788	GR	
MPride/MPV 4102NRR	BR	4	-	1.8	S	PI88788	GR	
MPride/MPV 4104nRR	BR	4		2	S	PI88788	GR	
MPride/MPV 4303nRR	BR	4		2	S	PI88788	GR	
MPride/MPV 4904nRR	BR	4		2	S	PI88788	GR	
MPride/MPV 5302NRR	BR	5	-	2	S	PI88788	GR	
MPride/MPV 5502NRR	BR	5	-	2	S	PI88788	GR	
MPride/MPV 5504nRR	BR	5		2	S	PI88788	GR	
NC+ 3A84RR	BR	3	N	3	Rps 1k	Susceptible	GR	
NC+ 3A92RR	BR	3	N	3	Rps 1c	PI88788	GR	
NC+ 4A29RR	BR	4	N	2	Rps 1c	Susceptible	GR	
NK Brand S34-V4	V	3	N	4	Rps 1c	Peking, I88788	GR	
NK Brand S37-N4	V	3	N	3	Rps 1c	Peking, I88788	GR	
NK Brand S39-K6	V	3	N	3	S	Peking, I88788	GR	
NK Brand S43-B1	V	4	N	4	Rps 1c	Peking, I88788	GR	
NK Brand S46-W8	V	4	N	4	Rps 1c	Peking, I88788	GR	
NK Brand S49-Q9	V	4	N	3	Rps 1c	Peking,PI88788	GR	
NK Brand S52-U3	V	5	N	3	S	PI88788	GR	
NK Brand S57-P1	V	5	N	4	S	PI88788	GR, STS	
Pioneer 93M80	V	3	N	4	Rps 1c	PI88788	GR	
Pioneer 93M90	V	3	N	3	S	PI88788	GR	
Pioneer 94B13	V	4	N	4	S	PI88788	GR	
Pioneer 94B73	V	4	N	6	Rps 1k	Susceptible	GR	
Pioneer 94B74	V	4	N	5	Rps 1k	PI88788	GR	

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
Pioneer 94M40	V	4	N	3	Rps 1c	PI88788	GR,STS	
Pioneer 94M70	V	4	N	5	Rps 1k	PI88788	GR	
Pioneer 95B32	V	5	N	4	S	PI88788	GR	
Pioneer 95B42	V	5	N	3	S	PI88788	GR	
Pioneer 95B43	V	5	N	2	S	Susceptible	GR	
Prairie Brand PB-3432RR	BR	3	N	3	Rps 1k	Susceptible	GR	
Prairie Brand PB-3621RR	BR	3	N	4	Rps 1k	PI88788	GR	
Prairie Brand PB-3683NRR	BR	3	N	4	Rps 1k	PI88788	GR	
Prairie Brand PB-3732RR	BR	3	N	5	Rps 1c	PI88788	GR	
Prairie Brand PB-3823RR	BR	3	N	4	Rps 1k	Susceptible	GR	
Prairie Brand PB-3921NRR	BR	3	N	3	Rps 1c	PI88788	GR	
Prairie Brand PB-4083NRR	BR	4	N	4	Rps 1k	PI88788	GR	
Prairie Brand PB-4483NRR	BR	4	N	4	S	PI88788	GR	
Progeny 3900RR	V	3	Y	2	Rps 1k	-	GR	
Progeny 4401RR	BR	4	N	2	-	-	GR	
Progeny 4860 RR	V	4	Y	-	-	-	GR	
Progeny 4884RR	BR	4	N	1	S	-	GR	
Progeny 4910	V	4	N	7	-	-	None	
Progeny 4932RR	BR	4	N	2	-	-	GR	
Progeny 4949RR	BR	4	Y	-	S	-	GR	
Progeny 5250RR	V	5	N	1	S	-	GR	
Progeny 5415RR	V	5	N	3	-	-	GR	
Progeny 5503RR	V	5	Y	4	S	-	GR	
Progeny 5600	V	5	N	7	-	-	None	
Progeny 5660RR	V	5	N	1	-	-	GR	
Progeny 5703RR	V	5	Y	-	S	-	GR	
Progeny 5822RR	V	5	N	1	S	-	GR	
Renze R3684Rcn	BR	3	N	3	Rps 1c	PI88788	GR	
Renze R3692RR	BR	3	N	3	Rps 1k	PI88788	GR	
Renze R3814RR	BR	3	N	3	Rps 1k	PI88788	GR	
Renze R3994Rcn	BR	3	N	2	Rps 1k	PI88788	GR	
Renze R4233SRcn	BR	4	N	3	S	PI88788	GR,STS	
Schillinger 353.RCP	V	3	N	2	Rps 1k	PI88788	GR	
Schillinger 373.RCP	V	3	N	4	Rps 1c	PI88788	GR	
Schillinger 393.RCP	V	3	N	2	Rps 1a	PI88788	GR	
Schillinger 443.R	V	4	N	4	S	Susceptible	GR	
Schillinger SSX 42262Y	V	4	Y	4	S	PI88788	None	Tofu
Schillinger SSX 44252P	V	4	Y	4	S	PI88788	None	Protein/Tofu
Southern Cross Aaron	V	4	N	4	S	PI88788	STS	
Southern Cross Michael	V	4	N	4	S	PI88788	GR/STS	
Southern Cross Silas	V	4	N	2	Rps 1a	PI88788	GR	
Southern Cross Titus	V	4	N	4	S	PI88788	GR	
Stine S3402-4	BR	3	N	3	S	PI88788	GR	
Stine S3832-4	BR	3	N	2	Rps 1k	PI88788	GR	
Stine S3932-4	BR	3	N	2	Rps 1k	PI88788	GR	
Stine S4032-4	BR	3	N	1	Rps 1k	PI88788	GR	
Stine S4102-4	BR	4	N	2	S	PI88788	GR,STS	
Stine S4442-4	BR	4	N	2	S	PI88788	GR,STS	
Stine S4542-4	BR	4	N	2	S	PI88788	GR	
Stine S4842-4	BR	4	N	2	S	PI88788	GR	
Stine S4882-4	BR	4	N	2	S	PI88788	GR	

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
Stone HC 2394NRR	V	3	N	2	Rps 1k	Hartwig	GR	
Taylor 374RR	BR	3	N	3	Rps 1c	PI88788	GR	
Taylor 444RR	BR	4	N	3	S	PI88788	GR	
Taylor EXP 3900RR	BR	3	Y	2.4	Rps 1k	PI88788	GR	
Terral TVX47R1K2	V	4	Y	1	NA	PI88788	GR	
Terral TVX49R1L2	V	4	Y	1	NA	PI88788	GR	
Terral TVX56R1B2	V	5	Y	1	NA	PI88788	GR	
Terral TVX58R1V2	V	5	Y	1	NA	PI88788	GR	
Thompson T-3622RN	BR	3	N	2	Rps 1k	PI88788	GR	
Thompson T-3737RN	BR	3	N	3	Rps 1c	PI88788	GR	
Thompson T-3737TRN	BR	3	N	3	Rps 1c	PI88788	GR	
Thompson T-3838RR	BR	3	N	2	Rps 1k	Susceptible	GR	
Thompson T-3839RR	BR	3	N	2	Rps 1k	Susceptible	GR	
Thompson T-3922RN	BR	3	N	2	Rps 1k	PI88788	GR	
Thompson T-3940RR	BR	3	N	2	Rps 1k	Susceptible	GR	
Thompson T-3988RR	BR	3	Y	2	Rps 1k	Susceptible	GR	
Thompson T-3999RN	BR	3	N	3	Rps 1c	PI88788	GR	
Thompson T-3999TRN	BR	3	N	3	Rps 1c	PI88788	GR	
Thompson T-4122RN	BR	4	Y	4	S	PI88788	GR	
Thompson T-4211RN	BR	4	N	5	S	PI88788	GR	
Thompson T-4444RN	BR	4	N	3	Rps 1a	PI88788	GR	
Thompson T-4522RN	BR	4	N	4	S	PI88788	GR	
Thompson T-4722RN	BR	4	N	5	S	PI88788	GR	
UniSouth USG 5002T	V	5	N	-	r5512	-	None	
UniSouth USG 510nRR	BR	5	N	-	-	-	GR	
UniSouth USG 540nRR	BR	5	N	-	r5512	-	GR	
UniSouth USG 5601T	V	5	N	-	-	-	None	
UniSouth USG 7440nRR	BR	4	N	-	Rps 1a	-	GR	
UniSouth USG 7443nRR	BR	4	N	-	-	-	GR	
UniSouth USG 7482nRR	BR	4	N	-	-	-	GR	
UniSouth USG 7489RR	BR	4	N	-	-	-	GR	
UniSouth USG 7499nRR	BR	4	N	-	-	-	GR	
UniSouth USG 7522nRR	BR	5	N	-	-	-	GR	
UniSouth USG 7524nrr	BR	5	N	-	-	-	GR	
UniSouth USG 7553nRR	BR	5	N	-	-	-	GR	
UniSouth USG 7562nRR	BR	5	N	-	-	-	GR	
UniSouth USG 7563nRR	BR	5	N	-	-	-	GR	
Vigoro V35N4RR	BR	3	N	3	Rps 1k	PI88788	GR	
Vigoro V39N4RR	BR	3	N	NA	Rps 1k	PI88788	GR	
Vigoro V442NRR	BR	4	N	4	Rps 1a	PI88788	GR	
Vigoro V562NRR	BR	5	N	3	S	PI88788	GR	
Willcross RR2383N	V	3	N	1.6	Rps 1k	PI88788	GR	
Willcross RR2303N	V	3	N	NA	NA	PI88788	GR	
Willcross RR2312	V	3	N	1.5	Rps 1k	Susceptible	GR	
Willcross RR2323N	V	3	N	NA	Rps 1c	PI88788	GR	
Willcross RR2354N	V	3	N	NA	Rps 1k	PI88788	GR	
Willcross RR2362	V	3	N	1.6	Rps 1k	Susceptible	GR	
Willcross RR2373N	V	3	N	2.5	Rps 1c	PI88788	GR	
Willcross RR2383NA	V	3	N	1.6	NA	PI88788	GR	

Variety	Variety/Brand	Mat. Group	Exp. Variety	Phytophthora Field Tolerance	Phytophthora Gene	Cyst Nematode Source	Herbicide Resistance	Special Trait
Willcross RR2392N	V	3	N	2	Rps 1c	PI88788	GR	
Willcross RR2392NA	V	3	N	2	NA	PI88788	GR	
Willcross RR2393N	V	3	N	NA	Rps 1k	PI88788	GR	
Willcross RR2393NA	V	3	N	NA	Rps 1k	PI88788	GR	
Willcross RR2403N	V	4	N	1.8	NA	PI88788	GR	
Willcross RR2422NSTS	V	4	N	NA	NA	PI88788	GR	
Willcross RR2422NSTSA	V	4	N	NA	NA	PI88788	GR	
Willcross RR2423N	V	4	N	2.5	NA	PI88788	GR	
Willcross RR2423NA	V	4	N	2.5	NA	PI88788	GR	
Willcross RR2432N	V	4	N	2.6	Rps 1a	PI88788	GR	
Willcross RR2432NA	V	4	N	2.6	Rps 1a	PI88788	GR	
Willcross RR2443N	V	4	N	1.9	NA	PI88788	GR	
Willcross RR2473NSTS	V	4	N	NA	NA	PI88788	GR	
Willcross RR2474N	V	4	N	1.9	NA	PI88788	GR	

* Descriptions were provided by the companies submitting them for evaluation

- Data not provided by the companies

NA – Information Not Available

Variety Name

Variety/ Brand: V for variety, BR for brand

Maturity Group: Relative Maturity Group

Experimental Variety: Y or N

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

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

Cyst Nematode Source: Peking, PI88788, Hartwig, or Susceptible

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

Special Traits: High oil, Food grade, Protein, Tofu, etc

List of Tables by Variety

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Arrow A3883RRN	1, 2, 3, 4, 5, 6
Arrow A3994RRN	1, 2, 3, 4, 5, 6
ASGROW AG3005	1, 2, 3, 4, 5, 6
ASGROW AG3202	1, 2, 3, 4, 5, 6
ASGROW AG3801	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
ASGROW AG3905	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
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Bio Gene BG4200NRRST	1, 2, 3, 4, 5, 6
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Delta King 3968RR	42, 43, 44, 45, 46
Delta King 4461RR	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
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Delta King 5668RR	42, 43, 44, 45, 46
Delta King 5767RR	42, 43, 44, 45, 46
Delta King 5967RR	42, 43, 44, 45, 46
Delta King XTJ401	42, 43, 44, 45, 46
Delta King XTJ402	42, 43, 44, 45, 46
Delta King XTJ403	42, 43, 44, 45, 46
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Delta Pine DPX 4446 RR	42, 43, 44, 45, 46
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Dyna Gro 3362NRR	1, 2, 3, 4, 5, 6
Dyna Gro 3390NRR	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Dyna Gro 33A37	1, 2, 3, 4, 5, 6
Dyna Gro 33B52	42, 43, 44, 45, 46
Dyna Gro 3443NRR	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Dyna Gro 3468NRR	42, 43, 44, 45, 46
Dyna Gro 3481NRR	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Dyna Gro 34P38	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Dyna Gro 3518NRR	42, 43, 44, 45, 46
Dyna Gro 3521NRR	42, 43, 44, 45, 46
Dyna Gro 3535NRR	42, 43, 44, 45, 46
Dyna Gro 3562NRR	42, 43, 44, 45, 46
Dyna Gro 3583NRR	42, 43, 44, 45, 46
Dyna Gro 37R39	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Dyna Gro 38K57	42, 43, 44, 45, 46
Excel Brand 8342NNRR	1, 2, 3, 4, 5, 6
Excel Brand 8359RR	1, 2, 3, 4, 5, 6
Excel Brand 8411NRR	13, 14, 15, 16, 17, 18
Excel Brand 8416NRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Excel Brand 8448NRR	13, 14, 15, 16, 17, 18
Excel Brand 8499NRR	13, 14, 15, 16, 17, 18, 42, 43, 44, 45, 46
Excel Brand 8520RR	42, 43, 44, 45, 46
Excel Brand 8528NRR	42, 43, 44, 45, 46

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FFR 4922RR	42, 43, 44, 45, 46
FFR 5225RR	42, 43, 44, 45, 46
FFR 5542RR	42, 43, 44, 45, 46
FFR 5702 RR	42, 43, 44, 45, 46
Fontanelle 421NRR	13, 14, 15, 16, 17, 18
Fontanelle 9162NRR	1, 2, 3, 4, 5, 6
Fontanelle 9192NRR	1, 2, 3, 4, 5, 6
Fontanelle 9241RR	1, 2, 3, 4, 5, 6
Fontanelle 9371NRR	1, 2, 3, 4, 5, 6
Garst/AgriPro D484RR/N	42, 43, 44, 45, 46
Garst/AgriPro 3212RR/N	1, 2, 3, 4, 5, 6
Garst/AgriPro 3812 RR/N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Garst/AgriPro 3824RR/N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Garst/AgriPro 4112RR/N	13, 14, 15, 16, 17, 18
Garst/AgriPro 4512RR/N	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Garst/AgriPro 5212RR/N	42, 43, 44, 45, 46
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Gateway 4R445	42, 43, 44, 45, 46
Gateway 4R485	42, 43, 44, 45, 46
Gateway 4RS463	42, 43, 44, 45, 46
Gateway 5R500	42, 43, 44, 45, 46
Gateway 5R531	42, 43, 44, 45, 46
Golden Harvest H-3631RR	1, 2, 3, 4, 5, 6
Golden Harvest H-3643RR	1, 2, 3, 4, 5, 6
Golden Harvest H-3945RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Golden Harvest H-4368RR	13, 14, 15, 16, 17, 18
Golden Harvest H-4534RR	42, 43, 44, 45, 46
Golden Harvest H-4772RR	42, 43, 44, 45, 46
Golden Harvest H-5492RR	42, 43, 44, 45, 46
Hornbeck HBK 4944CX	37, 38, 39, 40, 41
Hornbeck HBK 5991	37, 38, 39, 40, 41
Hornbeck HBK R4623	42, 43, 44, 45, 46
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Hornbeck HBK R4922	42, 43, 44, 45, 46
Hornbeck HBK R5123	42, 43, 44, 45, 46
Hornbeck HBK R5422	42, 43, 44, 45, 46
Hornbeck HBK R5620	42, 43, 44, 45, 46
Hornbeck HBK R5823	42, 43, 44, 45, 46
Hornbeck HBK XR441-03	42, 43, 44, 45, 46
Kruger 383+ RR	1, 2, 3, 4, 5, 6
Kruger K-353 RR	1, 2, 3, 4, 5, 6
Kruger K-355 RR/SCN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Kruger K-355+ RR/SCN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Kruger K-379 RR/SCN	1, 2, 3, 4, 5, 6
Kruger K-379+ RR/SCN	1, 2, 3, 4, 5, 6
Kruger K-380 RR/SCN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Kruger K-380+ RR/SCN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Kruger K-383 RR	1, 2, 3, 4, 5, 6
Kruger K-390 RR/SCN	1, 2, 3, 4, 5, 6
Kruger K-393 RR/SCN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Kruger K-393+ RR/SCN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Kruger K-395 RR/SCN	1, 2, 3, 4, 5, 6

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Kruger K-397 RR/SCN	1, 2, 3, 4, 5, 6
Kruger K-399+ RR/SCN	1, 2, 3, 4, 5, 6
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Kruger K-404+ RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Lewis 3566RR	1, 2, 3, 4, 5, 6
Lewis 3715 RR	1, 2, 3, 4, 5, 6
Lewis 3875RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Lewis 3944 RR	13, 14, 15, 16, 17, 18
Lewis 4106RR	13, 14, 15, 16, 17, 18
LG Seeds C3655RR	1, 2, 3, 4, 5, 6
LG Seeds C3944NRR	1, 2, 3, 4, 5, 6
LG Seeds C3999NRR	13, 14, 15, 16, 17, 18
LG Seeds C4112NRR	13, 14, 15, 16, 17, 18
Mersch. Austin RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Mersch. Cleveland VIIRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 42, 43, 44, 45, 46
Mersch. Dallas RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Mersch. Denver RRSTS	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Mersch. Everest RR	42, 43, 44, 45, 46
Mersch. Kennedy VIRR	1, 2, 3, 4, 5, 6
Mersch. Olympus RR	42, 43, 44, 45, 46
Mersch. Phoenix IIIRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 42, 43, 44, 45, 46
Mersch. Rocky RR	42, 43, 44, 45, 46
Mersch. Roosevelt IIIIRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 42, 43, 44, 45, 46
Mersch. Rushmore IVRR	42, 43, 44, 45, 46
Mersch. Washington IXRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 42, 43, 44, 45, 46
MFA Morsoy RT 3221N	1, 2, 3, 4, 5, 6
MFA Morsoy RT 3622N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MFA Morsoy RT 3712N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MFA Morsoy RT 3881N	1, 2, 3, 4, 5, 6
MFA Morsoy RT 3883N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MFA Morsoy RT 3991N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MFA Morsoy RT 4033	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MFA Morsoy RT 4201N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MFA Morsoy RT 4202N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MFA Morsoy RT 4402N	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
MFA Morsoy RT 4480N	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
MFA Morsoy RT 4802N	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
MFA Morsoy RT 4809N	42, 43, 44, 45, 46
MFA Morsoy RT 4993N	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
MFA Morsoy RT 5553N	42, 43, 44, 45, 46
MFA Morsoy RT4731N	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
MFA Morsoy RT5252N	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
MFA Morsoy RT5442N	31, 32, 33, 34, 35, 36
MFA Morsoy RT5620N	42, 43, 44, 45, 46
Midland 9A373NRR	13, 14, 15, 16, 17, 18
Midland 9A394NRR	13, 14, 15, 16, 17, 18
Midland 9A414NRR	13, 14, 15, 16, 17, 18
Midland 9A432NRS	31, 32, 33, 34, 35, 36
Midland 9A442NRR	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Midland 9A462NRS	31, 32, 33, 34, 35, 36
Midland 9A483NRR	31, 32, 33, 34, 35, 36
Midland 9E362NRR	13, 14, 15, 16, 17, 18
Midwest Seed GR3732	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18

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Midwest Seed GR3931	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Midwest Seed GR4452	13, 14, 15, 16, 17, 18
MPride/MPV 3303nRR	1, 2, 3, 4, 5, 6
MPride/MPV 3703nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 3803 nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 3902NRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 3903nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 3904nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 4003nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 4004nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 4102NRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 4104nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
MPride/MPV 4303nRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
MPride/MPV 4904nRR	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
MPride/MPV 5302NRR	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
MPride/MPV 5502NRR	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
MPride/MPV 5504nRR	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
NC+ 3A84RR	1, 2, 3, 4, 5, 6
NC+ 3A92RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
NC+ 4A29RR	1, 2, 3, 4, 5, 6
NK Brand S34-V4	1, 2, 3, 4, 5, 6
NK Brand S37-N4	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
NK Brand S39-K6	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
NK Brand S43-B1	13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
NK Brand S46-W8	31, 32, 33, 34, 35, 36
NK Brand S49-Q9	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
NK Brand S52-U3	42, 43, 44, 45, 46
NK Brand S57-P1	42, 43, 44, 45, 46
Pioneer 93M80	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Pioneer 93M90	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36
Pioneer 94B13	42, 43, 44, 45, 46
Pioneer 94B73	42, 43, 44, 45, 46
Pioneer 94B74	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Pioneer 94M40	42, 43, 44, 45, 46
Pioneer 94M70	42, 43, 44, 45, 46
Pioneer 95B32	42, 43, 44, 45, 46
Pioneer 95B42	42, 43, 44, 45, 46
Pioneer 95B43	42, 43, 44, 45, 46
Prairie Brand PB-3432RR	1, 2, 3, 4, 5, 6
Prairie Brand PB-3621RR	1, 2, 3, 4, 5, 6
Prairie Brand PB-3683NRR	1, 2, 3, 4, 5, 6
Prairie Brand PB-3732RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Prairie Brand PB-3823RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Prairie Brand PB-3921NRR	1, 2, 3, 4, 5, 6
Prairie Brand PB-4083NRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Prairie Brand PB-4483NRR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Progeny 3900RR	42, 43, 44, 45, 46
Progeny 4401RR	42, 43, 44, 45, 46
Progeny 4860 RR	42, 43, 44, 45, 46
Progeny 4884RR	42, 43, 44, 45, 46
Progeny 4910	37, 38, 39, 40, 41
Progeny 4932RR	42, 43, 44, 45, 46
Progeny 4949RR	42, 43, 44, 45, 46

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Progeny 5250RR	42, 43, 44, 45, 46
Progeny 5415RR	42, 43, 44, 45, 46
Progeny 5503RR	42, 43, 44, 45, 46
Progeny 5600	37, 38, 39, 40, 41
Progeny 5660RR	42, 43, 44, 45, 46
Progeny 5703RR	42, 43, 44, 45, 46
Progeny 5822RR	42, 43, 44, 45, 46
Renze R3684Rcn	1, 2, 3, 4, 5, 6
Renze R3692RR	1, 2, 3, 4, 5, 6
Renze R3814RR	1, 2, 3, 4, 5, 6
Renze R3994Rcn	1, 2, 3, 4, 5, 6
Renze R4233SRcn	1, 2, 3, 4, 5, 6
Schillinger 353.RCP	1, 2, 3, 4, 5, 6
Schillinger 373.RCP	1, 2, 3, 4, 5, 6
Schillinger 393.RCP	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Schillinger 443.R	13, 14, 15, 16, 17, 18
Schillinger SSX 42262Y	7, 8, 9, 10, 11, 12, 19, 20, 21, 22, 23, 24
Schillinger SSX 44252P	7, 8, 9, 10, 11, 12, 19, 20, 21, 22, 23, 24
Southern Cross Aaron	37, 38, 39, 40, 41
Southern Cross Michael	42, 43, 44, 45, 46
Southern Cross Silas	42, 43, 44, 45, 46
Southern Cross Titus	42, 43, 44, 45, 46
Stine S3402-4	1, 2, 3, 4, 5, 6
Stine S3832-4	1, 2, 3, 4, 5, 6
Stine S3932-4	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Stine S4032-4	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Stine S4102-4	1, 2, 3, 4, 5, 6, 31, 32, 33, 34, 35, 36
Stine S4442-4	13, 14, 15, 16, 17, 18
Stine S4542-4	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Stine S4842-4	31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 46
Stine S4882-4	13, 14, 15, 16, 17, 18
Stone HC 2394NRR	13, 14, 15, 16, 17, 18
Taylor 374RR	1, 2, 3, 4, 5, 6
Taylor 444RR	31, 32, 33, 34, 35, 36
Taylor EXP 3900RR	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
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Terral TVX49R1L2	42, 43, 44, 45, 46
Terral TVX56R1B2	42, 43, 44, 45, 46
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Thompson T-3622RN	1, 2, 3, 4, 5, 6
Thompson T-3737RN	1, 2, 3, 4, 5, 6
Thompson T-3737TRN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Thompson T-3838RR	1, 2, 3, 4, 5, 6
Thompson T-3839RR	1, 2, 3, 4, 5, 6
Thompson T-3922RN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Thompson T-3940RR	1, 2, 3, 4, 5, 6
Thompson T-3988RR	1, 2, 3, 4, 5, 6
Thompson T-3999RN	1, 2, 3, 4, 5, 6
Thompson T-3999TRN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Thompson T-4122RN	1, 2, 3, 4, 5, 6
Thompson T-4211RN	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Thompson T-4444RN	13, 14, 15, 16, 17, 18
Thompson T-4522RN	13, 14, 15, 16, 17, 18

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UniSouth USG 510nRR	42, 43, 44, 45, 46
UniSouth USG 540nRR	42, 43, 44, 45, 46
UniSouth USG 5601T	37, 38, 39, 40, 41
UniSouth USG 7440nRR	42, 43, 44, 45, 46
UniSouth USG 7443nRR	42, 43, 44, 45, 46
UniSouth USG 7482nRR	42, 43, 44, 45, 46
UniSouth USG 7489RR	42, 43, 44, 45, 46
UniSouth USG 7499nRR	42, 43, 44, 45, 46
UniSouth USG 7522nRR	42, 43, 44, 45, 46
UniSouth USG 7524nrr	42, 43, 44, 45, 46
UniSouth USG 7553nRR	42, 43, 44, 45, 46
UniSouth USG 7562nRR	42, 43, 44, 45, 46
UniSouth USG 7563nRR	42, 43, 44, 45, 46
Vigoro V35N4RR	1, 2, 3, 4, 5, 6
Vigoro V39N4RR	1, 2, 3, 4, 5, 6
Vigoro V442NRR	42, 43, 44, 45, 46
Vigoro V562NRR	42, 43, 44, 45, 46
Willcross RR2383N	13, 14, 15, 16, 17, 18
Willcross RR2303N	13, 14, 15, 16, 17, 18
Willcross RR2312	1, 2, 3, 4, 5, 6
Willcross RR2323N	1, 2, 3, 4, 5, 6
Willcross RR2354N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Willcross RR2362	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Willcross RR2373N	1, 2, 3, 4, 5, 6
Willcross RR2383NA	13, 14, 15, 16, 17, 18
Willcross RR2392N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Willcross RR2392NA	13, 14, 15, 16, 17, 18
Willcross RR2393N	1, 2, 3, 4, 5, 6, 13, 14, 15, 16, 17, 18
Willcross RR2393NA	13, 14, 15, 16, 17, 18
Willcross RR2403N	13, 14, 15, 16, 17, 18
Willcross RR2422NSTS	13, 14, 15, 16, 17, 18
Willcross RR2422NSTSA	13, 14, 15, 16, 17, 18
Willcross RR2423N	13, 14, 15, 16, 17, 18
Willcross RR2423NA	13, 14, 15, 16, 17, 18
Willcross RR2432N	13, 14, 15, 16, 17, 18
Willcross RR2432NA	13, 14, 15, 16, 17, 18
Willcross RR2443N	13, 14, 15, 16, 17, 18
Willcross RR2473NSTS	13, 14, 15, 16, 17, 18
Willcross RR2474N	13, 14, 15, 16, 17, 18

Soybean Entrants Address & Phone

BRAND	FIRM and ADDRESS	PHONE #
AgriPro	Garst/AgriPro Seed Co.,Byron McVay, 12832 Audrain Rd. 924, Centralia, MO 65240	573-682-2152
Armor	Armor Seed Co., PO Box 178, 316 Hawthorne, Fisher, AR 72429	870-328-7222
Arrow Hybrid Seed	Arrow Hybrid Seed Co. Inc. 412 East 5th St. P.O Box 135, Bowen , IL 62316	217-842-5444
Arrow Hybrid Seed	Lay Seed Co., RR 2, Box 52, LaBelle, MO 63447	877-529-7333
Asgrow	Monsanto Seed Co. 3100 Sycamore Road, Dekalb, IL 60115	815-758-9323
Bio Gene	Bio Gene Seeds 5491 Tri County Hwy, Sardinia, OH 45171	937-444-6422
Crow 's	Crow's Hybrid Corn Co., P.O. Box 157, Kentland, IN 47951	515-226-3126
Dekalb	Monsanto Seed Co., 3100 Sycamore Road, DeKalb, IL 60115	815-758-9323
Delta Grow	Delta Grow Seed Co., P.O. Box 219, 220 NW 2nd, England, AR 72046	501-842-2572
Delta King	Delta King Seed Co., 522 Poplar Ave., Box 970, McCrory, AR 72101	870-731-5484
Deltapine	Delta & Pine Land Co., 1301 E. 50th St. , Lubbock, TX 79404	806-740-1600
Dyna-Gro	UAP-MidSouth, 57 Germantown Crt., Suite 200, Cordova, TN 38018	318-372-3457
Dyna-Gro	UAP-Pueblo, P.O. Box 1279, 2502 John St., Garden City, KS 67846	785-455-3369
Excel Brand	Excel Brand, 116 E. State St., Camp Point, IL 62320	515-233-9610
FFR	FFR Seed, 969 Cloverleaf Dr., Southhaven, MS 38671	901-652-0903
Fontanelle	Fontanelle Hybrids, 10981 8th St., Fontanelle, NE 68044	402-721-1410
Garst	Garst/AgriPro Seed Co.,Byron McVay, 12832 Audrain Rd. 924, Centralia, MO 65240	573-682-2152
Gateway	Gateway Seed Co., 5517 Van Buren Rd., Nashville, IL 62263	618-327-8000
Golden Harvest	Golden Harvest Seeds, Sommer Bros. Seed Co. PO Box 248, Pekin, IL 61555	309-346-2127
Hartz	Monsanto Seed Co., 3100 Sycamore Road, Dekalb, IL 60115	815-758-9323
Hornbeck	Hornbeck Seed Co. Inc., Box 472, 210 Drier Rd., DeWitt, AR 72042	870-946-2087
Kruger	Kruger Seed Co., Hwy 20 E, Box A, Dike, IA 50624	800-368-9528
Lewis	Lewis Hybrids, Inc., Box 38, W. Maple St., Ursa, IL 62376	800-252-7851
LG Seeds	LG Seeds, 22827 Shissler Rd, Elmwood, IL 61529	309-246-5790
Merschman	Merschman Seed Inc., 103 Ave. D., West Point, IA 52656	319-837-6111
MFA Morsoy	MFA Inc., 201 Ray Young Dr., Columbia, MO 65201	573-876-5285
Midland	Midland Genetics Group L.L.C., 1906 Kingman Rd., Ottawa, KS 66067	785-242-3598
Midwest	Midwest Seed Genetics, 23751 Hwy.30 East, Carroll, IA 51401	515-226-3126
Miles Seed	Miles Seed P.O. Box 22874, Owensboro, KY 42304-2879	800-666-4537
Miles Seed	Cache River Valley Seed LLC., 12470 Hwy 226,PO Box 10, Cash, AR 72421	870-477-5427
MPride/MPV	Midwest Premium Genetics, 523 S. Main, Concordia, MO 64020	660-463-7333
NC+	NC+ Hybrids, 3820 N. 56th St., Box 4408, Lincoln, NE 68504	402-467-2517
NK Brand	Syngenta Seeds, 535 Pennyrile Dr., Madisonville, KY 42431	270-339-2100
NK Brand	Syngenta Seeds Inc., P.O. Box 959, Minneapolis, MN 66550	217-370-9039
Pioneer Variety	Pioneer Hi-Bred Intl. Inc., 5700 Merle Hay Road, Johnston, IA 50131	515-253-5889
Pioneer Variety	Pioneer Hi-Bred Intl. Inc., 6767 Old Madison Pike, STE 110, Huntsville, AL 35806	256-971-0760
Prairie Brand	Samsanguard Seed Farms Inc., Prairie Brand Seed Co., 15 X Ave., Story City, IA 50248	515-733-2101
Progeny	Progeny Ag Products, 1529 Hwy 193, Wynne, AR 72396	870-238-2079
Public Varieties	MSIA, 3211 Lemone Ind. BLVD., Columbia, MO 65201	573-449-0586
Renze	Renze Hybrids Inc. 27410 Kittyhawk Ave., Carroll, IA 51401	712-669-3301

BRAND	FIRM and ADDRESS	PHONE #
Schillinger Seed	Schillinger Seed Inc, 4200 Corporate Drive Suite 106, West Des Moines, IA 50266	217-377-9932
Stine	Stine Seed Co., 2225 Laredo Trail, Adel, IA 50003	800-362-2510
Stone Seed Farm	Stone Seed Farms Inc, 5965 W. State Rd 97, Pleasant Plains, IL 62677	217-546-8006
Taylor	Taylor Seed Farms Inc., 2467 Hwy 7, White Cloud, KS 66094	785-595-3236
Terral	Terral Seed Inc P.O. Box 826 , Lake Providence, LA 71254	318-559-2840
Thompson	Thompson Seed Co. 40321 130th Ave., Leland, IA 50543	877-561-9067
UniSouth	UniSouth Genetics Inc., 2640-C Nolensville Rd., Nashville, TN 37211	800-505-3133
Vigoro	Royster-Clark Inc. 717 Robinson Road, Washington C.H., OH 43160	740-869-2181
Willcross	Willcross Seed, P.O. Box 560, Garden City, MO 64747	816-862-6002
Willcross	Willcross Seed, 4564 U.S. Hwy 169, King City, MO 64463	660-535-4444



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