

A R K A N S A S

Soybean

**PERFORMANCE
TESTS 2000**



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2000 ARKANSAS SOYBEAN PERFORMANCE TESTS¹

D.G. Dombek, D.K. Ahrent, R.D. Bond, and I.L. Eldridge²

INTRODUCTION

Soybean cultivar performance tests are conducted each year in Arkansas by the University of Arkansas Division of Agriculture. The tests provide information to companies developing cultivars and/or marketing seed within the State, and aid the Arkansas Cooperative Extension Service in formulating cultivar recommendations for soybean producers.

The 2000 soybean cultivar performance tests were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Cotton Branch Station (CBS) near Marianna, the Rice Research and Extension Center (RREC) near Stuttgart, the Southeast Research and Extension Center - Rohwer Division (SEREC-RD) near Rohwer, the Tracy McLelland Farm (TMF) near Gum Springs, and the Vegetable Substation (VSS) near Kibler. A test location map can be found inside the back cover.

METHODS

Soybean cultivars were entered by commercial seed companies and state and federal institutions. Recommended cultural practices were used at each location and all data were taken from a uniform set of instructions.

Cultivars were grouped by maturity groups based on information provided by the originating company or institution. To facilitate field operations, and to allow for fairer comparisons between cultivars, entries in the Group IV and V Commercial Cultivar Tests (CCT) were separated into “early”

¹ Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

² Research Associate and Research Specialists, respectively, Department of Crop, Soil, and Environmental Sciences, University of Arkansas, Fayetteville, AR 72701.

cultivars and “late” cultivars. Cultivars in the “early” Group IV test had a relative maturity range of 4.0 to 4.7 and in the Group V test, a range of 5.0 to 5.6. Cultivars in the “late” Group IV test had a relative maturity range of 4.8 or 4.9 and in the “late” Group V test, a range of 5.7 to 5.9.

Early planted tests (EPT) were established at NEREC, SEBS, TMF, and VSS. As with the CCT IVs and Vs, entries in the EPT were subdivided into “early” and “late” cultivars.

Within each test, entries were arranged as a randomized complete block design with three replications, with the exception of the EPT, which contained four replications. Plots in all tests were 4 or 5 rows wide depending on between-row spacing and 20 feet in length. Seeds were packaged for recommended planting rates and were planted with a cone planter. Specific location and cultural practice information accompanies each table.

Interior rows of each plot were harvested for yield determination after ends were trimmed. Percent moisture was recorded for all harvested seed of early-planted tests and plot weights were adjusted to thirteen percent moisture. Harvested seeds of all other tests were allowed to dry to uniform moisture before weighing, and weights were converted to yield in bushels per acre (bu/A).

Plots were visually rated for shattering and lodging. Shattering ratings were carried out on border rows according to the following scale:

1. No shattering
2. 1-3% shattered
3. 4-8% shattered
4. 9-19% shattered
5. 20% or more shattered

Lodging ratings were recorded on a scale from 1 to 5 based on the following criteria:

1. Almost all plants erect
2. Either all plants leaning slightly, or a few plants down
3. Either all plants leaning moderately, or 25-50% of the plants down

4. Either all plants leaning considerably, or 50-80% of the plants down
5. All plants down badly

Average plant height was recorded in inches for each plot.

Tests were established at the Main Experiment Station at Fayetteville on a Taloka silt loam soil to evaluate cultivar sensitivity to the herbicide propanil. Propanil was applied over-the-top of one-half of each plot at 0.75 lb active ingredient/A (0.25X recommended rate) when plants were in the V4 to V5 growth stage to simulate drift from rice fields. Plots were visually rated 7 and 21 days after propanil application, by Ms. Marilyn McClelland.

Cultivars were screened for tolerance to soil chloride in greenhouse tests conducted by Dr. J.D. Widick, ASU, Jonesboro.

Table 1. Yields of Early Planted Soybean Cultivars at All Locations, 2000^{1,2}.

Brand/Cultivar	Keiser Nonirr.	Rohwer Irr.	McLelland Irr.	Average
	-----bu/A-----			
<u>Early Maturing Cultivars (RM 4.7 or Less)</u>				
Asgrow AG 4602	52.4	60.2	--	56.3
Asgrow AG 4702	48.8	54.0	--	51.4
Asgrow AG 4403	56.6	62.9	--	59.8
Croplan Genetics 466RR	45.9	52.2	--	49.1
Croplan Genetics 477RR	51.6	53.6	--	52.6
DEKALB CX 444CRR	50.9	55.2	--	53.1
DEKALB DKB 44-51	58.0	64.6	--	61.3
Delta King 4680	46.8	64.4	--	55.6
Delta King 4711	50.0	56.8	--	53.4
Delta King 4762RR	49.5	55.5	--	52.5
Deltapine DP 3478	51.0	56.4	--	53.7
Deltapine DP 4344RR	47.2	51.5	--	49.4
Deltapine DP 4690RR	42.8	59.3	--	51.1
Deltapine DP 4748S	57.7	63.3	--	60.5
HBK 4891	56.8	54.4	--	55.6
HBK R4660	43.5	49.0	--	46.3
HBK R4855	47.3	55.4	--	51.4
MPV 457NRR	52.2	57.1	--	54.7
Pioneer Brand 94B01RR	51.0	55.0	--	53.0
Pioneer Brand 94B53	48.1	54.8	--	51.5
Southern States FFR 439	48.5	56.3	--	52.4
Terral TV4479	50.2	55.5	--	52.9
Terral TV4589RR	50.1	54.4	--	52.3
Terral TVX47C902	49.0	57.3	--	53.2
Williams 82	48.9	46.3	--	47.6
Grand mean	50.2	56.2	--	53.2
LSD (5%)	6.1	6.0	--	--
C.V. (%)	8.7	7.6	--	--

Table 1. Yields of Early Planted Soybean Cultivars at All Locations, 2000^{1,2}.

Brand/Cultivar	Keiser Nonirr.	Rohwer Irr.	McLelland Irr.	Average
	-----bu/A-----			
<u>Late Maturing Cultivars (RM 4.8 to 5.3)</u>				
Asgrow A4922	47.3	55.5	23.4	42.1
Asgrow AG4901	44.3	56.6	24.1	41.7
Asgrow AG4902	44.3	57.1	23.6	41.7
Asgrow AG5001	44.2	51.6	25.0	40.3
Croplan Genetics 480RR	52.1	50.4	26.2	42.9
Croplan Genetics 490	29.5	43.9	25.2	32.9
Croplan Genetics 4979RR	26.9	44.8	22.3	31.3
Delta King 4868RR	53.3	59.3	31.5	48.0
Delta King 4965RR	52.6	51.9	28.3	44.3
Delta King 5267RR	39.8	53.8	24.1	39.2
Delta King 5366RR	44.2	62.4	28.2	44.9
Deltapine DP 4909	36.7	45.8	30.7	37.7
EKXP 4800	49.0	60.1	28.0	45.7
EKXP 4858 RR	44.0	55.0	28.3	42.4
EKXP 4901RR	40.1	53.2	24.2	39.2
FFR 495	40.6	54.4	23.9	39.6
FFR 514	36.2	58.9	29.5	41.5
FFR RT517	48.4	53.3	27.7	43.1
Hartz H4884RR	47.4	50.3	26.2	41.3
Hartz Variety H4994RR	38.7	59.3	25.9	41.3
HBK R4920	36.6	53.4	24.2	38.1
Manokin	39.0	57.5	21.7	39.4
MPV 519NRR	33.3	57.8	23.8	38.3
Pioneer Brand 9492RR	50.0	56.6	24.6	43.7
Progeny 4910	48.3	56.9	26.5	43.9
SG 498RR	40.7	64.4	23.6	42.9
Southern States				
SSExpRT46704	34.4	55.7	22.3	37.5
Southern States RT 4980	41.9	56.1	26.7	41.6
Southern States SS 4985STS	36.3	62.1	29.8	42.7

Table 1. Yields of Early Planted Soybean Cultivars at All Locations, 2000^{1,2}.

Brand/Cultivar	Keiser Nonirr.	Rohwer Irr.	McLelland Irr.	Average
-----bu/A-----				
<u>Late Maturing Cultivars (RM 4.7 to 5.3) continued</u>				
Southern States				
SSExpRT5399	33.7	51.1	27.9	37.6
Terral TV4886RR	43.8	56.7	23.4	41.3
Terral TV4890RR	46.2	48.0	24.8	39.7
Terral TVX 48R908	46.3	45.5	25.0	38.9
Terral TVX 49R901	39.0	55.0	27.2	40.4
Grand mean	42.0	54.5	25.8	40.8
LSD (5%)	5.9	8.4	4.6	--
C.V. (%)	10.0	11.0	12.7	--

¹ Keiser = Northeast Research and Extension Center
Rohwer = Southeast Research and Extension Center - Rohwer Division
McLelland = Tracy McLelland Farm, Clark Co.

² Abnormally hot and dry conditions reduced yields and uniformity at some locations. Because of these conditions, the results of the nonirrigated tests at Rohwer, the irrigated tests at Kibler, and the Early Maturing Cultivar (RM 4.7 or less) test at McLelland Farm will not be reported.

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Early Maturing Cultivars (RM 4.7 or Less)</u>							
DEKALB DKB 44-51	58.0	.	.	8-27	1.0	3.0	34
Deltapine DP 4748S	57.7	.	.	9-11	1.0	2.0	38
HBK 4891	56.8	41.1	.	8-30	1.0	3.0	36
Asgrow AG4403	56.6	.	.	8-26	1.0	2.0	36
Asgrow AG 4602	52.4	41.7	.	9-06	1.0	1.0	31
MPV 457NRR	52.2	45.7	44.3	8-24	1.0	2.0	32
Croplan Genetics 477RR	51.6	41.6	41.7	9-05	1.0	1.0	35
Deltapine DP 3478	51.0	.	.	9-03	1.0	2.0	37
Pioneer Brand 94B01RR	51.0	.	.	8-26	1.0	4.0	25
DEKALB CX 444CRR	50.9	.	.	9-04	1.0	2.0	33
Terral TV4479	50.2	44.4	41.8	9-08	1.0	2.0	31
Terral TV4589RR	50.1	45.7	.	9-08	1.0	1.0	30
Delta King 4711	50.0	35.4	.	9-02	1.0	2.0	36
Delta King 4762 RR	49.5	38.2	35.2	9-07	1.0	2.0	40
Terral TVX47C902	49.0	.	.	8-31	1.0	2.0	36
Williams 82	48.9	41.7	39.0	8-20	1.0	3.0	36
Asgrow AG 4702	48.8	40.1	.	9-08	1.0	1.0	33
Southern States FFR439	48.5	41.7	.	9-04	1.0	2.0	33
Pioneer Brand 94B53	48.1	.	.	8-24	1.0	3.0	29
HBK R4855	47.3	32.4	.	9-04	1.0	2.0	42
Deltapine DP 4344RR	47.2	.	.	8-26	1.0	3.0	42
Delta King 4680	46.8	.	.	9-06	1.0	2.0	32
Croplan Genetics 466RR	45.9	.	.	8-22	1.0	1.0	36
HBK R4660	43.5	40.0	.	8-31	1.0	1.0	38
Deltapine DP 4690RR	42.8	.	.	9-02	1.0	2.0	36
Grand mean	50.2	.	.	9-01	1.0	2.0	35
LSD (5%)	6.1	.	.	.	.	.	.
C.V. (%)	8.7	.	.	.	.	.	.

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.8 to 5.3)</u>							
Delta King 4868RR	53.3	42.7	.	8-31	1.0	2.0	38
Delta King 4965 RR	52.6	42.4	40.8	8-31	1.0	1.0	35
Croplan Genetics 480RR	52.1	35.1	.	9-04	1.0	1.0	35
Pioneer Brand 9492RR	50.0	.	.	8-30	1.0	2.0	31
EKXP 4800	49.0	.	.	8-28	1.0	2.0	37
FFR RT 517	48.4	39.0	.	9-05	1.0	1.0	30
Progeny 4910	48.3	.	.	9-06	1.0	2.0	40
Hartz H4884RR	47.4	.	.	8-21	1.0	2.0	39
Asgrow A4922	47.3	35.5	36.5	8-31	1.0	2.0	38
Terral TVX48R908	46.3	.	.	9-04	1.0	1.0	39
Terral TV4890RR	46.2	.	.	8-27	1.0	2.0	37
Asgrow AG 4901	44.3	31.9	.	9-02	1.0	2.0	43
Asgrow AG 4902	44.3	36.4	.	9-03	1.0	1.0	35
Asgrow AG 5001	44.2	33.6	.	9-05	1.0	2.0	35
Delta King 5366RR	44.2	.	.	9-20	1.0	2.0	36
EKXP 4858 RR	44.0	.	.	8-31	1.0	2.0	39
Terral TV4886RR	43.8	.	.	9-02	1.0	1.0	40
Southern States RT4980	41.9	.	.	9-01	1.0	2.0	35
SG 498RR	40.7	35.6	35.1	9-01	1.0	1.0	31
FFR 495	40.6	31.4	.	9-04	1.0	1.0	41
EKXP 4901RR	40.1	.	.	9-04	1.0	2.0	45
Delta King 5267RR	39.8	.	.	9-03	1.0	1.0	38
Manokin	39.0	34.2	32.7	9-05	1.0	1.0	28
Terral TVX49R901	39.0	.	.	9-06	1.0	2.0	41
Hartz Variety H4994RR	38.7	31.6	33.2	9-14	1.0	1.0	34
Deltapine DP4909	36.7	33.4	.	8-31	1.0	1.0	43
HBK R4920	36.6	.	.	9-03	1.0	3.0	48
Southern States SS4985STS	36.3	.	.	9-02	1.0	1.0	36
FFR 514	36.2	33.0	.	9-05	1.0	1.0	30
Southern States SSExpRT46704	34.4	.	.	9-22	1.0	1.0	48
Southern States SSExpRT5399	33.7	.	.	9-08	1.0	1.0	28
MPV 519 NRR	33.3	.	.	9-07	1.0	1.0	28
Croplan Genetics 490	29.5	.	.	9-06	1.0	1.0	49
Croplan Genetics 4979RR	26.9	.	.	9-06	1.0	1.0	54
Grand mean	42.0	.	.	9-04	1.0	1.5	38
LSD (5%)	5.9	.	.	.	.	.	.
C.V. (%)	10.0	.	.	.	.	.	.

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Soil Series..... Commerce silt loam
 Previous Crop..... Soybean
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied None
 Planting Date..... 4-19-00
 Herbicide Application 1qt./A Treflan + 12 oz./A Scepter, 4-19-00, 1 pt./A Storm, 5-09-00
 1.6 qts./A Typhoon, 6-19-00
 Harvest Dates..... Early maturing cultivars: 9-14-00
 Late maturing cultivars: 9-26-00

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2000	4.8	6.3	5.2	1.7	0.7	3.0	1.0	22.7
Average	5.0	5.2	4.0	3.7	2.9	3.9	3.0	27.8
Departure	-0.2	+1.1	+1.2	-2.0	-2.2	-0.9	-2.0	-5.1

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2000.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Early Maturing Cultivars (RM 4.7 or Less)</u>							
DEKALB DKB 44-51	64.6	.	.	9-09	1.3	1.0	42
Delta King 4680	64.4	.	.	9-18	1.0	1.0	39
Deltapine DP 4748S	63.3	.	.	9-16	3.3	1.0	46
Asgrow AG4403	62.9	.	.	9-08	1.5	1.0	42
Asgrow AG 4602	60.2	64.7	.	9-12	1.5	1.0	47
Deltapine DP 4690RR	59.3	.	.	9-17	2.3	1.0	44
Terral TVX47C902	57.3	.	.	9-17	2.5	1.0	43
MPV 457NRR	57.1	57.1	58.5	9-10	1.5	1.0	40
Delta King 4711	56.8	58.5	.	9-15	2.5	1.0	48
Deltapine DP 3478	56.4	.	.	9-17	3.3	1.0	45
Southern States FFR439	56.3	61.4	.	9-05	2.0	1.0	46
Terral TV4479	55.5	61.2	60.7	9-12	1.0	1.0	44
Delta King 4762 RR	55.5	49.6	48.5	9-18	1.3	1.0	51
HBK R4855	55.4	51.4	.	9-17	2.0	1.0	46
DEKALB CX 444CRR	55.2	.	.	9-15	1.0	1.0	48
Pioneer Brand 94B01RR	55.0	.	.	9-02	1.0	1.0	42
Pioneer Brand 94B53	54.8	.	.	9-04	2.0	1.0	43
HBK 4891	54.4	55.8	.	9-13	3.0	1.0	41
Terral TV4589RR	54.4	58.4	.	9-07	1.0	1.0	45
Asgrow AG 4702	54.0	57.5	.	9-14	1.8	1.0	43
Croplan Genetics 477RR	53.6	56.1	53.2	9-16	1.0	1.0	43
Croplan Genetics 466RR	52.2	.	.	9-11	1.0	1.0	48
Deltapine DP 4344RR	51.5	.	.	9-09	3.3	1.0	50
HBK R4660	49.0	54.4	.	9-10	1.5	1.0	45
Williams 82	46.3	56.3	51.3	9-02	3.3	1.0	45
Grand mean	56.2	.	.	9-12	1.9	1.0	45
LSD (5%)	6.0	.	.	3	1.0	.	.
C.V. (%)	7.6	.	.	3	36.1	.	.

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.8 to 5.3)</u>							
SG 498RR	64.4	60.1	54.0	9-24	1.0	1.0	43
Delta King 5366RR	62.4	.	.	9-25	1.5	1.0	35
Southern States SS4985STS	62.1	.	.	9-24	1.8	1.0	40
EKXP 4800	60.1	.	.	9-19	1.3	1.0	45
Hartz Variety H4994RR	59.3	56.2	50.3	9-23	1.0	1.0	36
Delta King 4868RR	59.3	56.6	.	9-14	1.0	1.0	45
FFR 514	58.9	59.7	.	9-24	1.3	1.0	40
MPV 519 NRR	57.8	.	.	9-27	1.0	1.0	30
Manokin	57.5	51.7	46.7	9-24	1.0	1.0	31
Asgrow AG 4902	57.1	57.2	.	9-16	1.0	1.0	43
Progeny 4910	56.9	.	.	9-20	2.3	1.0	48
Terral TV4886RR	56.7	.	.	9-17	1.0	1.0	48
Asgrow AG 4901	56.6	58.9	.	9-19	1.3	1.0	49
Pioneer Brand 9492RR	56.6	.	.	9-15	1.0	1.0	44
Southern States RT4980	56.1	.	.	9-18	2.0	1.0	47
Southern States SSExpRT46704	55.7	.	.	9-25	2.5	1.0	56
Asgrow A4922	55.5	55.4	55.0	9-18	1.5	1.0	47
EKXP 4858 RR	55.0	.	.	9-18	1.3	1.0	48
Terral TVX49R901	55.0	.	.	9-21	1.5	1.0	46
FFR 495	54.4	49.6	.	9-24	1.3	1.0	51
Delta King 5267RR	53.8	.	.	9-24	1.0	1.0	39
HBK R4920	53.4	.	.	9-17	2.3	1.0	46
FFR RT 517	53.3	49.7	.	9-21	1.5	1.0	46
EKXP 4901RR	53.2	.	.	9-20	2.3	1.0	49
Delta King 4965 RR	51.9	57.8	56.8	9-20	1.3	1.0	44
Asgrow AG 5001	51.6	49.9	.	9-21	1.3	1.0	46
Southern States SSExpRT5399	51.1	.	.	9-25	1.3	1.0	34
Croplan Genetics 480RR	50.4	46.0	.	9-18	1.3	1.0	51
Hartz H4884RR	50.3	.	.	9-19	1.3	1.0	48
Terral TV4890RR	48.0	.	.	9-12	1.3	1.0	48
Deltapine DP4909	45.8	51.7	.	9-20	2.3	1.0	53
Terral TVX48R908	45.5	.	.	9-17	1.0	1.0	51
Croplan Genetics 4979RR	44.8	.	.	9-25	2.0	1.0	49
Croplan Genetics 490	43.9	.	.	9-23	1.8	1.0	50
Grand mean	54.5	.	.	9-21	1.5	1.0	45
LSD (5%)	8.4	.	.	4	0.8	.	.
C.V. (%)	11.0	.	.	3	40.5	.	.

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2000, Continued.

Soil Series.....	Sharkey clay
Previous Crop.....	Soybean
Row Width.....	19 inches
Fertilizer Applied.....	None
Lime Applied	None
Planting Date.....	5-17-00
Herbicide Application	2 pts./A Dual AE + 1.4 oz./A Scepter, 4-27-00 5 oz./A Classic + 8 oz./A Fusion, 6-01-00
Insecticide Application	1.6 oz./A Tracer, 8-24-00
Irrigation Dates.....	7-10, 7-19, 7-27, 8-11, 8-28
Harvest Dates.....	Early maturing cultivars: 9-28-00 Late maturing cultivars: 9-28-00

	<u>Precipitation (inches)</u>						
	April	May	June	July	August	September	Total
2000	6.6	5.6	4.8	0.6	0.0	1.6	19.2
Average	5.0	4.7	3.5	3.9	2.7	3.1	22.9
Departure	+1.6	+0.9	+1.3	-3.3	-2.7	-1.5	-3.7

Table 4. Performance of Irrigated Early Planted Soybean Cultivars, McLelland Farm, Clark Co., AR, 2000.

Brand/Cultivar	2000 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.8 to 5.3)</u>						
Delta King 4868RR	31.5	28.6	9-13	1.0	1.0	25
Deltapine DP4909	30.7	31.3	9-14	1.8	1.3	29
Southern States SS4985STS	29.8	.	9-11	1.0	1.0	19
FFR 514	29.5	30.2	9-11	1.0	1.0	19
Delta King 4965 RR	28.3	28.0	9-14	1.3	1.3	23
EKXP 4858	28.3	.	9-13	1.3	1.5	27
Delta King 5366RR	28.2	.	9-18	1.0	1.0	20
EKXP 4800	28.0	.	9-13	1.3	1.3	27
Southern States SSExpRT5399	27.9	.	9-14	1.0	1.0	15
FFR RT 517	27.7	29.5	9-11	1.0	1.0	18
Terral TVX49R901	27.2	.	9-14	1.3	1.0	27
Southern States RT4980	26.7	.	9-15	1.3	1.3	27
Progeny 4910	26.5	.	9-14	1.5	1.0	28
Croplan Genetics 480RR	26.2	25.3	9-13	1.5	2.0	27
Hartz H4884RR	26.2	.	9-14	1.3	1.3	24
Hartz Variety H4994RR	25.9	29.3	9-12	1.0	1.0	20
Croplan Genetics 490	25.2	.	9-17	1.5	1.0	36
Asgrow AG 5001	25.0	25.2	9-14	1.0	1.0	21
Terral TVX48R908	25.0	.	9-13	1.0	1.8	31
Terral TV4890RR	24.8	.	9-12	1.5	1.5	30
Pioneer Brand 9492RR	24.6	.	9-11	1.5	1.0	20
EKXP 4901RR	24.2	.	9-14	1.3	1.3	18
HBK R4920	24.2	.	9-14	1.0	1.3	26
Asgrow AG 4901	24.1	22.8	9-13	1.5	1.5	23
Delta King 5267RR	24.1	.	9-13	1.3	1.0	17
FFR 495	23.9	25.4	9-14	1.0	1.0	21
MPV 519 NRR	23.8	.	9-14	1.0	1.0	16
SG 498RR	23.6	25.1	9-12	1.0	1.0	19
Asgrow AG 4902	23.6	25.9	9-12	1.5	1.8	22
Asgrow A4922	23.4	23.0	9-13	1.5	1.0	21
Terral TV4886RR	23.4	.	9-13	1.3	1.3	22
Southern States SSExpRT46704	22.3	.	9-17	1.8	1.0	18
Croplan Genetics 4979RR	22.3	.	9-15	1.8	1.3	28
Manokin	21.7	26.6	9-13	1.0	1.0	14
Grand mean	25.8	.	9-13	1.3	1.2	23
LSD (5%)	4.6	.	2	0.6	0.5	.
C.V. (%)	12.7	.	2	31.9	27.3	.

Table 4. Performance of Irrigated Early Planted Soybean Cultivars, McLellandFarm, Clark Co., AR, 2000, Continued.

Soil Series.....	Marietta fine sandy loam
Previous Crop.....	Soybeans
Row Width.....	32 inches
Fertilizer Applied.....	None
Lime Applied	None
Planting Date.....	5-01-00
Herbicide Application	1.5 pts./A Dual 8E + 2 oz./A Scepter 1pt./A Blazer, 6-09-00, 1 pt./A Blazer + 1.5 pts./A Basagran, 7-03-00
Irrigation Dates.....	7-27, 8-11, 8-18
Harvest Dates.....	Early maturing cultivars: 9-07-00 Late maturing cultivars: 9-18-00

Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
-----bu/A-----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
AgriPro AP 4882	48.3	61.0	14.7	47.5	45.9	25.5	40.5
AgriPro AP 4888 RR	47.3	53.5	11.9	42.0	45.1	20.9	36.8
Asgrow A4324	46.8	53.2	14.5	53.5	25.2	21.6	35.8
Asgrow AG 4403	40.9	62.8	16.6	48.8	41.9	23.8	39.1
Asgrow AG 4601	42.3	51.3	16.2	47.1	34.9	26.5	36.4
Asgrow AG 4602	42.7	58.3	18.5	48.2	29.0	23.7	36.7
Asgrow AG 4702	46.5	55.4	14.7	44.2	24.9	21.8	34.6
Croplan Genetics 466RR	37.9	53.0	13.6	43.0	14.5	23.6	30.9
Croplan Genetics 477RR	50.4	50.4	14.0	49.2	24.8	27.3	36.0
DEKALB CX 444 CRR	48.3	53.6	13.6	54.3	33.7	29.6	38.9
DEKALB DK 44-51	54.2	60.1	17.5	49.3	39.9	24.4	40.9
Delta Grow 4740	44.7	53.7	12.3	58.7	31.7	28.3	38.2
Delta King 4680	37.0	64.1	9.7	48.9	29.6	24.0	35.6
Delta King 4711	42.3	60.1	14.7	51.0	34.7	23.0	37.6
Delta King 4762RR	49.2	53.5	15.1	49.9	36.0	27.7	38.6
Deltapine 4344RR	41.8	48.4	12.8	45.9	37.9	16.0	33.8
Deltapine 4748S	56.0	60.3	15.9	61.0	53.7	28.1	45.8
Deltapine DP 3478	45.3	60.1	14.0	51.4	37.1	22.6	38.4
Deltapine DP 4690RR	44.9	58.3	12.3	51.2	45.9	26.1	39.8
Dixie 478	58.6	45.9	15.5	55.3	52.7	20.5	41.4
Dyna-Gro 3468NRR	47.8	60.7	16.6	46.1	34.4	28.1	39.0
FC 470	40.3	44.6	14.9	43.2	34.7	18.6	32.7
Garst D472RR/N	42.2	55.0	13.6	47.8	31.6	25.4	35.9
HBK 4891	52.8	57.2	15.1	50.7	44.6	20.2	40.1
HBK R4660	41.3	56.3	15.3	47.8	32.1	28.6	36.9
HBK R4855	42.5	53.0	14.9	45.2	42.1	15.9	35.6
MFA Morsoy 4580	36.8	--	--	--	35.4	--	--
MFA Morsoy RT4729SCN	39.1	53.7	12.7	47.7	31.4	24.5	34.9

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
	-----bu/A-----						
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>							
MPV 457NRR	35.8	--	--	--	40.6	--	--
NK Brand S46-W8	45.3	49.9	14.4	55.2	43.3	22.4	38.4
Progeny 4910	46.1	58.5	12.3	58.9	35.9	30.1	40.3
Terral TV 4589RR	43.0	51.2	15.1	47.6	41.5	19.8	36.4
Terral TV 4787RR	46.9	54.6	12.9	45.3	40.6	21.4	37.0
Grand Mean	45.0	55.2	14.4	49.5	36.6	23.9	37.4
LSD (5%)	6.0	5.5	3.1	7.3	10.0	5.4	--
C.V. (%)	8.2	6.1	13.4	9.1	16.9	14.1	--
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
Asgrow A4922	40.0	52.1	// ²	53.2	34.6	20.0	40.0
Asgrow AG 4901	39.3	55.0	//	52.0	43.3	29.7	43.9
Asgrow AG 4902	45.6	58.8	//	51.1	41.2	26.8	44.7
Croplan Genetics 480RR	41.6	58.4	//	48.6	36.0	25.8	42.1
Croplan Genetics 490	46.6	46.8	//	55.4	35.3	28.1	42.4
Croplan Genetics 4979RR	45.8	46.8	//	52.6	26.4	25.5	39.4
Delta Grow 4850RR	41.9	55.9	//	49.0	35.3	29.7	42.4
Delta King 4868RR	54.8	65.4	//	53.3	42.2	23.8	47.9
Delta King 4965RR	42.4	59.7	//	52.4	32.0	21.5	41.6
Deltapine DP4909	48.5	51.0	//	55.6	35.9	33.1	44.8
Dixie 4803	36.9	58.6	//	55.1	39.2	18.9	41.7
DPX 4910S	54.9	--	//	--	46.7	--	--
DT97-4290	54.4	45.5	//	54.5	46.8	33.7	47.0
Dyna-Gro 3484NRR	46.7	--	//	--	36.5	--	--
ES 4902RR	52.3	--	//	--	41.4	--	--
FC 490	46.1	51.9	//	47.5	21.5	17.7	36.9
Garst D484RR/N	38.3	--	//	--	28.6	--	--
Hartz H4884RR	45.2	52.3	//	56.6	36.4	23.0	42.7
Hartz Variety H4994RR	48.8	51.2	//	57.1	37.2	26.4	44.1
HBK R4920	45.8	53.2	//	50.5	34.1	21.4	41.0

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
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-----bu/A-----

Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued

Manokin	44.8	53.4	//	56.7	36.2	31.1	44.4
Md 4900	55.9	63.7	//	56.8	47.0	32.5	51.2
MFA Morsoy 4850	44.2	--	//	--	33.0	--	--
MFA Morsoy RT4809	49.8	65.7	//	60.8	41.6	24.3	48.4
MFA Morsoy RT4889N	42.6	58.4	//	52.2	39.5	24.3	43.4
Pioneer Brand 9482	49.0	58.5	//	60.2	39.8	30.8	47.7
Pioneer Brand 9492RR	45.9	54.5	//	53.5	31.0	28.2	42.6
SG 498RR	50.2	58.1	//	54.5	39.7	29.5	46.4
Southern States 4985STS	48.1	55.2	//	61.2	37.9	25.2	45.5
Southern States Exp 4899	51.5	--	//	--	37.3	--	--
Southern States RT4980	50.2	57.2	//	53.4	38.2	19.1	43.6
Southern States SS495	52.5	55.0	//	59.3	48.5	26.4	48.3
Terral TV4881	49.1	60.3	//	55.4	31.4	23.5	43.9
Terral TV4886RR	46.4	54.6	//	50.1	38.4	20.7	42.0
Terral TV4890RR	34.9	54.3	//	50.5	34.1	30.3	40.8
Terral TV4975	44.6	42.4	//	56.1	52.9	27.4	44.7
Terral TVX48R901	53.0	56.6	//	50.6	35.4	22.4	43.6
Terral TVX48R908	42.3	53.4	//	52.9	31.9	21.1	40.3
TN 93-87	51.4	58.5	//	59.6	31.0	27.4	45.6
Grand Mean	46.7	55.2	//	54.2	37.3	25.7	43.8
LSD (5%)	9.1	5.3	//	6.6	9.8	7.8	--
C.V. (%)	12.0	5.9	//	7.6	16.2	18.4	--

Maturity Group V Early Maturing Cultivars (RM 5.6 or Less)

Accomac	58.0	45.2	// ²	61.9	// ⁴	25.9	47.8
Anand	58.1	61.5	//	50.0	//	30.0	49.9
Armor A52-C2	59.5	62.5	//	62.4	//	23.8	52.1
Asgrow A5547	68.1	61.5	//	61.6	//	24.7	54.0
Asgrow AG5001	46.0	46.2	//	60.5	//	24.4	44.3

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
	-----bu/A-----						
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued</u>							
Asgrow AG5602	65.4	57.7	//	60.0	//	25.7	52.2
Asgrow AG5501	62.7	59.9	//	67.7	//	31.4	55.4
Croplan Genetics 556RR	57.9	41.9	//	55.5	//	24.4	44.9
Croplan Genetics Robin-5	68.4	23.3	//	58.0	//	24.8	43.6
Delsoy 5500	66.9	56.3	//	62.4	//	32.5	54.5
Delta Grow 5250RR	60.8	61.4	//	60.3	//	27.4	52.5
Delta Grow 5310RR	50.7	54.4	//	58.0	//	29.8	48.2
Delta Grow 5450RR	64.0	61.0	//	61.1	//	27.4	53.4
Delta Grow 5630RR	63.5	55.7	//	60.5	//	27.6	51.8
Delta King 5267RR	60.9	62.7	//	57.9	//	27.6	52.3
Delta King 5366RR	74.3	59.9	//	58.9	//	33.2	56.6
Delta King 5465RR	68.7	62.5	//	61.4	//	25.2	54.5
Delta King 5580	65.2	54.1	//	64.8	//	39.4	55.9
Delta King 5661RR	65.6	58.5	//	60.1	//	34.9	54.8
Delta King 5668RR	64.1	56.6	//	60.6	//	30.6	53.0
Delta King 5850	64.1	53.2	//	62.0	//	34.8	53.5
Deltapine DP 5354	63.7	42.6	//	65.7	//	26.4	49.6
Deltapine DP 5644RR	59.3	53.0	//	64.1	//	24.7	50.3
Deltapine DP 5655	63.5	55.9	//	64.4	//	37.2	55.3
DPX 5514RR	60.8	--	//	--	//	--	--
Dyna-Gro 3521NRR	63.9	--	//	--	//	--	--
Dyna-Gro 3535NRR	64.6	--	//	--	//	--	--
Dyna-Gro 3562NRR	63.0	--	//	--	//	--	--
EK XP5050RR	57.4	--	//	--	//	--	--
EK XP5100	55.8	55.0	//	54.8	//	25.1	47.7
EK XP5585	55.7	--	//	--	//	--	--
EK XP5660RR	64.6	--	//	--	//	--	--
ES 4900RR	56.5	--	//	--	//	--	--
ES 5000RR	51.8	--	//	--	//	--	--
Essex	55.9	47.0	//	57.3	//	17.8	44.5
Essex RSV1	60.3	52.3	//	54.2	//	19.9	46.7
Essex RSV4	59.8	49.2	//	53.8	//	24.4	46.8

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
	-----bu/A-----						
FC 530	59.8	48.4	//	53.9	//	28.5	47.7
Garst 529RR	64.8	--	//	--	//	--	--
Hartz H5231RR	64.4	57.9	//	60.0	//	25.3	51.9
HBK R5588	61.4	50.4	//	62.5	//	32.6	51.7
HBK X555-00	61.9	--	//	--	//	--	--
HBK XR535-00	54.1	--	//	--	//	--	--
Hutcheson	67.5	52.1	//	61.9	//	25.9	51.9
MFA Morsoy 5080	54.7	--	//	--	//	--	--
MFA Morsoy 5108N	56.1	57.7	//	49.8	//	35.4	49.8
MFA Morsoy 5389N	60.8	41.3	//	55.2	//	20.6	44.5
MFA Morsoy RT5050	54.0	--	//	--	//	--	--
MFA Morsoy RT5110N	65.4	--	//	--	//	--	--
MFA Morsoy RT5220N	58.0	--	//	--	//	--	--
MFA Morsoy RT541SCN	55.5	54.4	//	55.9	//	26.9	48.2
MFA Morsoy RT5440N	61.7	--	//	--	//	--	--
MPV 519NRR	59.6	--	//	--	//	--	--
NK X053R	62.2	--	//	--	//	--	--
NK X056	51.4	--	//	--	//	--	--
Pioneer Brand 95B32RR	63.6	60.1	//	66.1	//	35.0	56.2
Pioneer Brand 95B33	60.7	61.2	//	66.2	//	27.0	53.8
Pioneer Brand 95B53RR	59.7	51.2	//	61.7	//	19.5	48.0
Progeny 5120N	55.4	60.6	//	59.5	//	31.4	51.7
Progeny 5410RR	54.3	50.6	//	56.7	//	32.3	48.5
Progeny 5600	63.2	61.7	//	61.7	//	31.5	54.5
R96-209	62.5	57.9	//	61.0	//	26.6	52.0
S96-2692	53.3	56.8	//	60.6	//	30.3	50.3
Southern States Exp 5409N	54.5	--	//	--	//	--	--
Southern States Exp RT5399	46.1	49.7	//	55.5	//	29.1	45.1
Southern States Exp RT5609	60.5	--	//	--	//	--	--
Southern States RT557N	57.6	48.3	//	61.8	//	31.1	49.7
Terral TV5486RR	51.2	42.8	//	65.8	//	29.0	47.2
Terral TV5495	61.1	44.8	//	59.5	//	30.2	48.9

Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co ³ Irr.	Average
	-----bu/A-----						
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued</u>							
Terral TV5666RR	51.9	46.4	//	59.5	//	32.4	47.6
Terral TVX50R901	49.8	--	//	--	//	--	--
Terral TVX52R901	48.1	--	//	--	//	--	--
Terral TVX54R908	54.8	42.6	//	61.9	//	33.0	48.1
Willcross RR2520N	62.4	59.9	//	59.4	//	27.5	52.3
Grand Mean	59.6	53.4	//	59.9	//	28.4	50.3
LSD (5%)	7.6	6.3	//	5.8	//	7.4	--
C.V. (%)	7.9	7.2	//	6.0	//	16.1	--
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9)</u>							
Asgrow A5944	68.6	60.3	// ²	68.7	// ⁴	42.3	60.0
Asgrow A5959	64.6	55.4	//	67.6	//	32.4	55.0
Asgrow AG5701	65.3	55.2	//	63.2	//	24.1	52.0
Asgrow AG5802	53.2	53.9	//	67.1	//	32.6	51.7
Asgrow AG5901	53.2	50.4	//	68.6	//	28.7	50.2
Asgrow AG5902	63.6	50.3	//	64.3	//	28.7	51.7
AST-82	58.7	56.4	//	62.6	//	25.4	50.8
Bolivar	49.5	41.6	//	65.5	//	24.9	45.4
Caviness	49.8	55.7	//	67.1	//	25.3	49.5
Croplan Genetics 5770RR	60.2	43.4	//	59.9	//	28.6	48.0
Croplan Genetics 590RR	54.1	43.9	//	66.0	//	29.9	48.5
DEKALB CX 580CRR	49.0	56.8	//	63.1	//	31.8	50.2
Delta Grow 5710	61.1	51.5	//	61.3	//	30.5	51.1
Delta Grow 5940	54.6	49.7	//	68.9	//	34.8	52.0
Delta Grow 5950RR	58.9	47.7	//	70.0	//	35.1	52.9
Delta King 5762RR	45.8	46.8	//	64.0	//	36.2	48.2
Delta King 5961RR	48.8	43.1	//	65.5	//	29.1	46.6
Delta King 5995	61.0	60.8	//	63.9	//	38.1	56.0
Deltapine DP5806RR	54.8	49.9	//	67.2	//	34.0	51.5
Deltapine DP5989	46.2	44.2	//	67.1	//	40.0	49.4

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
	-----bu/A-----						
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>							
Deltapine DP5915RR	56.2	60.3	//	67.1	//	23.0	51.7
Dixie 5799	54.8	44.6	//	67.5	//	28.4	48.8
DPX 5877	56.4	--	//	--	//	--	--
DT96-6840	62.0	49.5	//	71.5	//	29.2	53.1
Dyna-Gro 3582	54.5	49.2	//	64.1	//	28.5	49.1
ES5700RR	62.6	--	//	--	//	--	--
ES5903RR	58.0	--	//	--	//	--	--
Excel	57.0	51.9	//	61.1	//	26.3	49.1
Hartz H5885RR	55.9	56.1	//	65.7	//	20.7	49.6
Hartz Variety H5999RR	55.6	44.8	//	62.5	//	23.9	46.7
HBK 5990	60.0	53.7	//	69.2	//	30.3	53.3
HBK 5991	67.6	63.9	//	67.5	//	31.9	57.7
HBK R5920	51.6	47.9	//	64.7	//	32.7	49.2
HBK X570-00	62.3	--	//	--	//	--	--
HBK X590-00	56.3	--	//	--	//	--	--
HBK XR575-99	64.0	--	//	--	//	--	--
MFA Morsoy RT5900N	60.3	--	//	--	//	--	--
MFA Morsoy RT5990N	54.1	--	//	--	//	--	--
NK Brand S59-60	59.7	46.1	//	69.5	//	34.9	52.6
NK Brand S57-A4	52.5	42.2	//	59.7	//	26.1	45.1
NK Brand S59-V6	57.0	47.2	//	66.9	//	28.8	50.0
NK X057R	55.2	--	//	--	//	--	--
Pioneer Brand 9594	73.7	55.7	//	73.8	//	33.0	59.1
Pioneer Brand 95B95RR	62.0	54.1	//	65.8	//	25.9	52.0
Progeny 5900RR	56.9	47.5	//	65.9	//	30.4	50.2
R95-2210	49.9	53.5	//	64.0	//	30.5	49.5
S94-1867	44.5	56.1	//	59.9	//	33.8	48.6
S96-2641	52.0	50.8	//	64.6	//	17.2	46.1
Southern States 597N	61.2	41.9	//	69.1	//	30.6	50.7
Southern States Exp 5709	51.4	--	//	--	//	--	--
Southern States RT587N	51.3	40.3	//	63.1	//	32.3	46.8
Southern States RT5999N	48.6	52.3	//	66.6	//	36.2	50.9

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
	-----bu/A-----						

Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued

Terral TV5866RR	48.7	45.3	//	58.1	//	38.7	47.7
Terral TV5926	61.2	51.2	//	59.9	//	25.3	49.4
Terral TVX5794RR	47.1	44.4	//	67.1	//	27.2	46.5
Terral TVX59R901	55.2	49.5	//	62.7	//	38.8	51.6
TN 93-99	64.4	54.3	//	66.6	//	24.8	52.5
TN 94-213	65.3	58.6	//	71.7	//	16.9	53.1
UARK-5798	54.1	40.6	//	68.0	//	33.7	49.1
UARK-5896	51.2	45.3	//	66.7	//	28.5	47.9
V91-3036	58.6	53.9	//	65.7	//	29.5	51.9
Willcross RR2580N	52.3	43.0	//	60.4	//	27.4	45.8
Grand Mean	56.5	50.2	//	65.5	//	30.0	50.6
LSD (5%)	10.9	6.4	//	5.6	//	9.6	--
C.V. (%)	12.0	7.9	//	5.3	//	19.8	--

Maturity Group VI

Asgrow AG6101	44.4	47.2	// ²	56.0	// ⁴	25.0	43.2
Asgrow AG6201	50.4	54.2	//	54.3	//	26.5	46.4
Croplan Genetics 6299RR	55.4	50.1	//	54.8	//	22.7	45.8
Dillon	51.0	53.1	//	50.2	//	26.3	45.2
HBK 6600	40.2	48.6	//	56.2	//	28.1	43.3
HBK R6020	49.2	44.0	//	53.3	//	24.0	42.6
HBK X630-00	52.7	--	//	--	//	--	--
HBK X631-00	48.9	--	//	--	//	--	--
NK Brand S62-62	55.1	60.4	//	55.6	//	22.3	48.4
Pioneer Brand 96B21RR	47.2	51.4	//	65.3	//	28.1	48.0

**Table 5. Yields of Maturity Groups IV, V, and VI Soybean Cultivars at All Locations¹, 2000.
Continued.**

Brand/Cultivar	Keiser Irr.	Marianna Irr.	Marianna ² Nonirr.	Stuttgart Irr.	Rohwer Irr.	Clark Co. ³ Irr.	Average
	-----bu/A-----						
<u>Maturity Group VI Continued</u>							
R92-1258	48.8	50.1	//	65.5	//	20.6	46.3
Southern States RT6299N	50.9	44.8	//	58.1	//	23.6	44.4
Terral TVX62R901	46.4	--	//	--	//	--	--
TN 93-142-17	46.8	57.5	//	61.2	//	25.5	47.8
Grand Mean	49.1	51.0	//	57.3	//	24.8	45.6
LSD (5%)	9.8	7.4	//	6.9	//	8.8	--
C.V. (%)	12.0	8.6	//	7.1	//	21.0	--

¹ Keiser = Northeast Research & Extension Center
 Marianna = Cotton Branch Station
 Stuttgart = Rice Research & Extension Center
 Rohwer = Southeast Research & Extension Center- Rohwer Division
 Clark Co. = Tracy McLelland Farm, Clark Co.

² Because of abnormally hot and dry weather, the only nonirrigated test that will be reported is the “Early” MG4 test at Marianna.

³ The tests in Clark county were not irrigated based on 2 inch soil moisture deficit. Irrigation dates were: 7-27, 8-11, 8-18 and 9-01.

⁴ The MG5 and MG6 irrigated tests at Rohwer were planted and replanted but adequate stands were not achieved.

-- Strains were tested under irrigated conditions at Keiser and Rohwer only.

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
Dixie 478	58.6	53.3	52.7	10-08	1.5	1.0	42
Deltapine 4748S	56.0	.	.	10-10	2.5	1.0	38
DEKALB DK44-51	54.2	.	.	9-30	1.7	1.3	32
HBK 4891	52.8	52.4	.	10-06	1.5	1.0	32
Croplan Genetics 477RR	50.4	51.2	.	10-05	1.5	1.0	36
Delta King 4762 RR	49.2	52.5	49.7	10-09	1.8	1.0	38
DEKALB CX 444 CRR	48.3	45.3	.	10-05	1.0	1.0	32
AgriPro AP 4882	48.3	48.4	.	10-08	2.2	2.0	38
Dyna-Gro 3468NRR	47.8	47.1	.	10-10	1.5	1.0	30
AgriPro AP 4888 RR	47.3	47.2	.	10-09	1.7	1.3	35
Terral TV4787RR	46.9	.	.	10-09	2.0	1.3	29
Asgrow A4324	46.8	.	.	9-25	1.0	1.0	27
Asgrow AG 4702	46.5	46.6	.	9-24	1.5	1.0	36
Progeny 4910	46.1	.	.	10-07	2.2	1.0	38
Deltapine DP 3478	45.3	45.9	.	10-06	2.2	1.7	37
NK Brand S46-W8	45.3	43.5	42.4	10-05	1.8	1.3	39
Deltapine DP 4690RR	44.9	49.3	.	10-09	2.0	1.3	34
Delta Grow 4740	44.7	.	.	10-07	2.0	1.0	36
Terral TV4589RR	43.0	.	.	10-06	1.2	1.0	33
Asgrow AG 4602	42.7	45.4	.	9-29	1.8	1.3	34
HBK R4855	42.5	47.9	.	10-07	1.7	1.3	36
Delta King 4711	42.3	47.0	.	10-08	1.8	1.3	36
Asgrow AG 4601	42.3	44.7	.	10-04	2.2	1.7	33
Garst D472RR/N	42.2	.	.	10-04	1.5	1.0	32
Deltapine 4344RR	41.8	.	.	9-26	2.2	1.3	39
HBK R4660	41.3	46.2	.	10-04	1.5	1.0	40
Asgrow AG 4403	40.9	.	.	9-24	1.0	1.0	28
FC 470	40.3	.	.	9-25	2.2	1.7	31
MFA Morsoy RT4729SCN	39.1	.	.	9-29	1.0	1.0	31
Croplan Genetics 466RR	37.9	43.1	.	10-05	1.8	1.0	40
Delta King 4680	37.0	40.5	.	10-11	2.0	1.3	32
MFA Morsoy 4580	36.8	.	.	10-07	1.3	1.3	31
MPV 457NRR	35.8	42.7	.	9-26	1.7	1.0	33
Grand mean	45.0	.	.	10-04	1.7	1.2	34
LSD (5%)	6.0	.	.	1	0.5	0.5	.
C.V. (%)	8.2	.	.	1	18.1	26.8	.

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
Md 4900	55.9	52.9	.	10-12	1.0	1.0	19
DPX 4910S	54.9	.	.	10-12	2.0	1.0	38
Delta King 4868RR	54.8	56.2	.	10-05	1.0	1.0	36
DT97-4290	54.4	.	.	10-08	2.7	1.0	44
Terral TVX48R901	53.0	.	.	10-07	1.5	1.0	38
Southern States SS495	52.5	51.6	53.6	10-08	2.0	1.0	40
ES 4902RR	52.3	.	.	10-12	2.0	1.0	38
Southern States Exp4899	51.5	.	.	10-08	1.8	1.0	36
TN 93-87	51.4	.	.	10-12	2.8	1.0	29
SG 498RR	50.2	53.0	53.8	10-12	2.0	1.0	29
Southern States RT4980	50.2	.	.	10-11	2.0	1.0	35
MFA Morsoy RT 4809	49.8	50.9	.	10-05	1.8	1.0	27
Terral TV4881	49.1	51.6	.	10-06	2.3	1.3	40
Pioneer Brand 9482	49.0	50.8	53.5	10-08	1.0	1.0	35
Hartz Variety H4994RR	48.8	53.7	55.1	10-12	1.8	1.3	38
Deltapine DP 4909	48.5	47.9	.	10-12	1.8	1.0	38
Southern States 4985STS	48.1	.	.	10-12	2.8	1.0	33
Dyna Gro 3484NRR	46.7	.	.	10-06	1.8	1.0	40
Croplan Genetics 490	46.6	44.6	46.6	10-12	1.7	1.0	40
Terral TV4886RR	46.4	.	.	10-09	1.5	1.0	40
FC 490	46.1	.	.	10-12	1.8	1.0	31
Pioneer Brand 9492RR	45.9	.	.	10-05	2.0	1.0	32
HBK R4920	45.8	.	.	10-12	1.0	1.7	31
Croplan Genetics 4979RR	45.8	.	.	10-12	2.3	1.0	41
Asgrow AG 4902	45.6	50.9	.	10-06	2.0	1.3	38
Hartz H4884RR	45.2	.	.	10-07	1.0	1.0	35
Manokin	44.8	50.1	52.1	10-12	2.3	1.0	27
Terral TV4975	44.6	44.1	46.9	10-06	2.3	1.0	49
MFA Morsoy 4850	44.2	.	.	10-08	2.0	2.0	39
MFA Morsoy RT4889N	42.6	.	.	10-05	1.7	1.0	38
Delta King 4965 RR	42.4	48.8	50.4	10-06	1.2	1.0	29
Terral TVX48R908	42.3	.	.	10-11	1.0	1.0	37
Delta Grow 4850RR	41.9	47.2	.	10-08	1.7	1.0	38
Croplan Genetics 480RR	41.6	49.8	.	10-08	1.8	1.0	33

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Asgrow A4922	40.0	48.5	50.1	10-09	2.0	1.3	35
Asgrow AG 4901	39.3	45.4	.	10-05	2.8	1.7	41
Garst D484RR/N	38.3	.	.	10-06	1.5	1.0	38
Dixie 4803	36.9	43.1	.	10-10	1.0	1.0	28
Terral TV4890 RR	34.9	45.4	.	10-05	1.8	1.0	39
Grand mean	46.7	.	.	10-09	1.8	1.1	36
LSD (5%)	9.1	.	.	.	0.5	0.4	.
C.V. (%)	12.0	.	.	.	17.2	24.4	.
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less)</u>							
Delta King 5366RR	74.3	.	.	. ¹	2.0	1.0	34
Delta King 5465RR	68.7	.	.	.	2.0	1.0	34
Croplan Genetics Robin-5	68.4	56.8	55.2	.	1.2	1.0	27
Asgrow A5547	68.1	66.1	62.9	.	2.0	1.0	30
Hutcheson	67.5	60.7	58.7	.	1.0	1.0	34
Delsoy 5500	66.9	57.9	56.7	.	1.3	1.0	33
Delta King 5661RR	65.6	62.8	.	.	1.0	1.0	35
Asgrow AG 5602	65.4	62.8	.	.	2.5	1.3	35
MFA Morsoy RT5110N	65.4	.	.	.	1.8	1.0	37
Delta King 5580	65.2	59.2	.	.	2.8	1.0	39
Garst 529RR	64.8	.	.	.	1.0	1.0	36
EK XP5660RR	64.6	.	.	.	1.0	1.0	36
Dyna Gro 3535NRR	64.6	.	.	.	2.0	1.0	34
Hartz H5231RR	64.4	.	.	.	1.7	1.0	34
Delta King 5850	64.1	56.0	55.8	.	2.0	1.0	34
Delta King 5668RR	64.1	.	.	.	1.7	1.0	33
Delta Grow 5450RR	64.0	.	.	.	1.0	1.0	32
Dyna Gro 3521NRR	63.9	.	.	.	2.0	1.0	33
Deltapine DP 5354	63.7	57.5	57.7	.	3.3	1.0	37
Pioneer Brand 95B32RR	63.6	65.3	.	.	1.0	1.0	25
Deltapine DP 5655	63.5	53.5	.	.	2.0	1.0	40
Delta Grow 5630RR	63.5	.	.	.	2.0	1.0	36

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued</u>							
Progeny 5600	63.2	54.9	.	. ¹	2.7	1.0	30
Dyna Gro 3562NRR	63.0	.	.	.	2.3	1.0	35
Asgrow AG5501	62.7	.	.	.	1.2	1.0	33
R96-209	62.5	.	.	.	2.3	1.0	36
Willcross RR2520N	62.4	57.5	.	.	2.0	1.0	31
NK X053R	62.2	.	.	.	2.0	1.0	31
HBK X555-00	61.9	.	.	.	2.5	1.0	35
MFA Morsoy RT5440N	61.7	.	.	.	1.2	1.0	34
HBK R5588	61.4	57.6	55.6	.	2.0	1.0	29
Terral TV5495	61.1	52.2	51.0	.	2.7	1.0	44
Delta King 5267RR	60.9	.	.	.	1.2	1.0	37
MFA Morsoy 5389N	60.8	57.6	.	.	2.0	1.0	24
Delta Grow 5250RR	60.8	.	.	.	2.0	1.0	36
DPX 5514RR	60.8	.	.	.	2.8	1.0	40
Pioneer Brand 95B33	60.7	60.4	.	.	1.7	1.0	31
Southern States ExpRT5609	60.5	.	.	.	3.0	1.0	33
Essex RSV1	60.3	54.7	54.0	.	2.0	1.0	29
Essex RSV4	59.8	55.8	.	.	1.7	1.0	27
FC 530	59.8	.	.	.	1.3	1.0	29
Pioneer Brand 95B53RR	59.7	53.6	.	.	1.2	1.0	30
MPV 519NRR	59.6	.	.	.	1.0	1.0	35
Armor A52-C2	59.5	.	.	.	2.5	1.0	26
Deltapine DP 5644RR	59.3	55.0	53.8	.	2.7	1.0	36
Anand	58.1	57.8	56.4	.	1.0	1.0	27
Accomac	58.0	53.6	55.1	.	3.0	1.0	36
MFA Morsoy RT5220N	58.0	.	.	.	1.5	1.0	38
Croplan Genetics 556RR	57.9	54.3	.	.	2.0	1.0	30
Southern States RT557N	57.6	54.5	53.7	.	2.0	1.0	33
EK XP5050RR	57.4	.	.	.	2.0	1.0	36
ES 4900RR	56.5	.	.	.	1.2	1.0	31
MFA Morsoy 5108N	56.1	.	.	.	1.7	1.0	34
Essex	55.9	57.0	55.8	.	2.2	1.0	25
EK XP5100	55.8	.	.	.	1.0	2.0	36
EK XP5585	55.7	.	.	.	2.0	1.0	36
MFA Morsoy RT541SCN	55.5	51.5	.	.	2.2	1.0	33

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued</u>							
Progeny 5120N	55.4	54.5	.	. ¹	1.0	1.0	36
Terral TVX54R908	54.8	.	.	.	2.7	1.0	36
MFA Morsoy 5080	54.7	.	.	.	1.0	1.0	43
Southern States Exp5409N	54.5	.	.	.	2.2	1.0	36
Progeny 5410RR	54.3	.	.	.	2.3	1.0	34
HBK XR535-00	54.1	.	.	.	3.0	1.0	35
MFA Morsoy RT5050	54.0	.	.	.	2.0	1.0	35
S96-2692	53.3	.	.	.	1.3	1.0	29
Terral TV5666RR	51.9	47.5	48.7	.	2.7	1.0	30
ES 5000RR	51.8	.	.	.	2.0	1.0	41
NK X056	51.4	.	.	.	2.5	1.0	47
Terral TV5486RR	51.2	48.8	.	.	2.0	1.0	36
Delta Grow 5310RR	50.7	.	.	.	2.8	1.0	38
Terral TVX50R901	49.8	.	.	.	1.8	1.0	37
Terral TVX52R901	48.1	.	.	.	2.0	1.0	34
Southern States ExpRT5399	46.1	.	.	.	2.0	1.0	30
Asgrow AG 5001	46.0	48.8	.	.	2.2	1.0	37
Grand mean	59.6	.	.	.	1.9	1.0	34
LSD (5%)	7.6	.	.	.	0.4	0.1	.
C.V. (%)	7.9	.	.	.	14.7	6.5	.
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9)</u>							
Pioneer Brand 9594	73.7	63.7	60.6	. ¹	2.0	1.0	37
Asgrow A5944	68.6	63.6	62.0	.	1.8	1.0	36
HBK 5991	67.6	60.8	58.9	.	2.0	1.0	35
Asgrow AG 5701	65.3	60.7	.	.	2.0	1.0	36
TN 94-213	65.3	.	.	.	1.5	1.0	31
Asgrow A5959	64.6	61.1	61.3	.	2.5	1.0	35
TN 93-99	64.4	57.3	.	.	2.0	1.0	33
HBK XR575-99	64.0	.	.	.	1.3	1.0	33
Asgrow AG5902	63.6	.	.	.	2.0	1.0	39
ES 5700RR	62.6	.	.	.	2.0	1.0	36
HBK X570-00	62.3	.	.	.	2.2	1.0	43

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>							
Pioneer Brand 95B95RR	62.0	58.3	.	. ¹	2.0	1.0	40
DT96-6840	62.0	56.7	.	.	2.0	1.0	29
Terral TV 5926	61.2	52.6	52.7	.	2.0	1.0	34
Southern States 597N	61.2	.	.	.	2.0	1.0	38
Delta Grow 5710	61.1	57.2	56.0	.	2.5	1.0	37
Delta King 5995	61.0	57.0	58.2	.	2.0	1.0	34
MFA Morsoy RT5900N	60.3	.	.	.	2.0	1.0	39
Croplan Genetics 5770RR	60.2	.	.	.	1.3	1.0	37
HBK 5990	60.0	53.3	55.3	.	1.5	1.0	33
NK Brand S59-60	59.7	54.5	54.9	.	2.0	1.0	32
Delta Grow 5950RR	58.9	54.2	.	.	2.0	1.0	42
AST-82	58.7	.	.	.	1.7	1.0	28
V91-3036	58.6	54.5	54.0	.	1.2	1.0	32
ES 5903RR	58.0	.	.	.	1.8	1.0	39
NK Brand S59-V6	57.0	55.1	54.1	.	2.0	1.0	33
Excel	57.0	.	.	.	1.5	1.0	34
Progeny 5900RR	56.9	53.8	.	.	2.0	1.0	40
DPX 5877	56.4	.	.	.	2.5	1.0	42
HBK X590-00	56.3	.	.	.	2.0	1.0	40
Deltapine DP5915RR	56.2	55.6	.	.	2.0	1.0	35
Hartz H5885RR	55.9	.	.	.	1.0	1.0	39
Hartz Variety H5999RR	55.6	48.9	49.4	.	1.7	1.3	34
Terral TVX59R901	55.2	.	.	.	1.7	1.0	45
NK X057R	55.2	.	.	.	2.0	1.0	36
Deltapine DP 5806RR	54.8	55.8	56.2	.	2.0	1.0	40
Dixie 5799	54.8	54.9	.	.	1.2	1.0	34
Delta Grow 5940	54.6	.	.	.	1.8	1.0	39
Dyna Gro 3582	54.5	.	.	.	2.0	1.0	35
UARK-5798	54.1	51.5	51.2	.	2.0	1.0	34
Croplan Genetics 590RR	54.1	52.5	.	.	2.0	1.0	40
MFA Morsoy RT5990N	54.1	.	.	.	1.8	1.0	44
Asgrow AG 5901	53.2	47.5	.	.	2.0	1.0	37
Asgrow AG 5802	53.2	50.7	.	.	2.0	1.0	37
NK Brand S57-A4	52.5	.	.	.	1.2	1.0	34
Willcross RR2580N	52.3	54.4	.	.	2.0	1.0	34

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>							
S96-2641	52.0	.	.	. ¹	1.7	1.0	30
HBK R5920	51.6	51.2	.	.	1.8	1.0	36
Southern States Exp5709	51.4	.	.	.	2.0	1.0	39
Southern States RT587N	51.3	48.6	49.9	.	2.0	1.0	35
UARK-5896	51.2	52.4	51.1	.	1.8	1.0	34
R95-2210	49.9	.	.	.	1.8	1.0	32
Caviness	49.8	53.2	55.0	.	2.0	1.0	36
Bolivar	49.5	51.1	52.4	.	2.0	1.0	42
DEKALB CX580CRR	49.0	50.3	.	.	1.8	1.0	38
Delta King 5961 RR	48.8	50.0	49.2	.	2.0	1.0	38
Terral TV 5866RR	48.7	.	.	.	2.5	1.0	36
Southern States RT5999N	48.6	.	.	.	2.0	1.0	35
Terral TVX 5794RR	47.1	.	.	.	1.2	1.0	38
Deltapine DP 5989	46.2	42.2	.	.	3.0	1.0	47
Delta King 5762RR	45.8	49.1	.	.	2.0	1.0	39
S94-1867	44.5	.	.	.	2.0	1.0	37
Grand mean	56.5	.	.	.	1.9	1.0	37
LSD (5%)	10.9	.	.	.	0.4	0.1	.
C.V. (%)	12.0	.	.	.	14.1	7.1	.
<u>Maturity Group VI</u>							
Croplan Genetics 6299RR	55.4	.	.	. ¹	2.0	1.0	34
NK Brand S62-62	55.1	51.1	51.1	.	2.0	1.0	36
HBK X630-00	52.7	.	.	.	3.0	1.0	37
Dillon	51.0	48.1	50.5	.	2.0	1.0	40
Southern States RT6299N	50.9	.	.	.	2.0	1.0	42
Asgrow AG 6201	50.4	45.9	.	.	2.0	1.0	36
HBK R6020	49.2	46.8	.	.	3.0	1.0	32
HBK X631-00	48.9	.	.	.	3.0	1.0	43
R92-1258	48.8	46.7	47.9	.	2.0	1.0	37
Pioneer Brand 96B21RR	47.2	47.3	.	.	2.0	1.0	36

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group VI Continued</u>							
TN 93-142-17	46.8	.	.	. ¹	2.0	1.0	33
Terral TVX62R901	46.4	.	.	.	3.0	1.0	41
Asgrow AG 6101	44.4	44.3	.	.	2.0	1.0	38
HBK 6600	40.2	43.5	44.8	.	3.0	1.0	42
Grand mean	49.1	.	.	.	2.4	1.0	38
LSD (5%)	9.8	.	.	.	.	.	.
C.V. (%)	12.0	.	.	.	.	.	.

¹ Maturity dates of MG 5 and 6 cultivars were not recorded due to unseasonably low temperatures in mid-October.

Soil Series..... Sharkey clay
 Previous Crop..... Grain Sorghum
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied None
 Planting Date..... 5-19-00
 Herbicide Application 32 oz./A Roundup, 5-20-00, 3 pts./A Prowl + 3/4 lb./A Sencor, 5-20-00,
 16 oz./A Poast Plus, 6-02-00, 8 oz./A Fusion, 6-12-00,
 10 oz./A Select, 6-26-00, 1.5 pts./A Storm, 6-22-00
 Irrigation Dates..... 7-10, 7-24, 8-03, 8-10, 8-17, 8-25, 9-06
 Harvest Dates..... MG 4 Early maturing cultivars: 10-14-00
 MG 4 Late maturing cultivars: 10-14-00
 MG 5 Early maturing cultivars: 10-21-00
 MG 5 Late maturing cultivars: 10-21-00
 MG 6: 10-22-00

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2000	4.8	6.3	5.2	1.7	0.7	3.0	1.0	22.7
Average	5.0	5.2	4.0	3.7	2.9	3.9	3.0	27.8
Departure	-0.2	+1.1	+1.2	-2.0	-2.2	-0.9	-2.0	-5.1

Table 7. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
Delta King 4680	64.1	62.7	.	9-26	1.3	2.7	35
Asgrow AG 4403	62.8	.	.	9-18	1.3	3.0	40
AgriPro AP 4882	61.0	.	.	9-25	1.7	3.3	39
Dyna-Gro 3468NRR	60.7	.	.	9-26	1.0	2.3	36
Deltapine 4748S	60.3	.	.	9-23	2.3	4.3	42
Deltapine DP 3478	60.1	58.8	.	9-25	2.7	2.7	38
Delta King 4711	60.1	63.4	.	9-26	2.3	3.3	39
DEKALB DK44-51	60.1	.	.	9-18	1.0	2.0	40
Progeny 4910	58.5	.	.	9-24	2.0	3.0	44
Asgrow AG 4602	58.3	60.4	.	9-18	1.7	2.7	42
Deltapine DP 4690RR	58.3	57.7	.	9-27	1.0	2.3	42
HBK 4891	57.2	60.1	.	9-20	1.7	3.3	39
HBK R4660	56.3	56.6	.	9-21	2.0	2.0	42
Asgrow AG 4702	55.4	57.9	.	9-23	1.0	3.0	35
Garst D472RR/N	55.0	.	.	9-17	2.0	3.3	40
Terral TV4787RR	54.6	.	.	9-28	3.0	3.0	41
Delta Grow 4740	53.7	.	.	9-27	1.0	3.0	43
MFA Morsoy RT4729SCN	53.7	.	.	9-16	1.3	2.3	40
DEKALB CX 444 CRR	53.6	55.1	.	9-18	2.0	2.3	41
Delta King 4762 RR	53.5	54.5	52.4	9-30	1.3	4.0	46
AgriPro AP 4888 RR	53.5	.	.	9-27	2.0	3.3	41
Asgrow A4324	53.2	.	.	9-14	2.3	2.7	32
Croplan Genetics 466RR	53.0	53.0	.	9-18	1.7	2.7	42
HBK R4855	53.0	55.3	.	9-21	1.3	3.3	39
Asgrow AG 4601	51.3	54.1	.	9-18	1.0	4.3	34
Terral TV4589RR	51.2	.	.	9-16	2.0	2.3	38
Croplan Genetics 477RR	50.4	50.2	.	9-21	1.0	2.7	30
NK Brand S46-W8	49.9	56.5	54.7	9-17	2.7	2.0	38
Deltapine 4344RR	48.4	.	.	9-17	2.7	4.7	46
Dixie 478	45.9	48.2	47.5	9-21	1.3	3.7	45
FC 470	44.6	.	.	9-13	2.7	3.3	38
Grand mean	55.2	.	.	9-21	1.8	3.0	40
LSD (5%)	5.5	.	.	0.8	0.8	5	.
C.V. (%)	6.1	.	.	28.1	16.4	21	.

Table 7. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)	SDS ¹ %TLAA
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>								
MFA Morsoy RT 4809	65.7	.	.	9-22	1.0	1.0	41	0
Delta King 4868RR	65.4	66.6	.	9-23	1.0	1.0	43	0
Md 4900	63.7	61.7	.	9-24	1.0	1.0	20	0
Terral TV4881	60.3	.	.	9-22	2.7	1.3	43	0
Delta King 4965 RR	59.7	59.2	56.8	9-27	1.0	1.0	39	0
Asgrow AG 4902	58.8	60.5	.	9-20	1.0	1.0	39	0
Dixie 4803	58.6	.	.	9-23	2.3	1.3	42	0
Pioneer Brand 9482	58.5	61.1	56.4	9-18	2.7	1.7	43	0
TN 93-87	58.5	.	.	9-23	1.7	1.0	31	0
Croplan Genetics 480RR	58.4	60.1	.	9-22	2.7	1.7	44	0
MFA Morsoy RT4889N	58.4	.	.	9-22	2.0	1.7	44	0
SG 498RR	58.1	57.3	54.2	9-27	1.0	1.0	37	0
Southern States RT4980	57.2	.	.	9-24	2.3	1.3	41	0
Terral TVX48R901	56.6	.	.	9-22	2.3	1.7	42	0
Delta Grow 4850RR	55.9	.	.	9-25	2.0	1.3	43	0
Southern States 4985STS	55.2	.	.	9-25	3.0	1.0	33	0
Southern States SS495	55.0	54.0	52.4	9-30	1.0	1.0	45	0
Asgrow AG 4901	55.0	59.0	.	9-20	1.7	2.0	39	0
Terral TV4886RR	54.6	.	.	9-22	1.7	1.0	47	0
Pioneer Brand 9492RR	54.5	.	.	9-17	1.3	1.3	40	0
Terral TV4890 RR	54.3	56.6	.	9-16	1.3	1.0	43	0
Manokin	53.4	55.7	51.1	9-27	1.7	1.0	32	0
Terral TVX48R908	53.4	.	.	9-22	1.7	1.0	47	0
HBK R4920	53.2	.	.	9-23	2.7	1.3	44	0
Hartz H4884RR	52.3	.	.	9-24	1.3	2.0	44	0
Asgrow A4922	52.1	56.8	54.5	9-20	1.0	2.0	40	0
FC 490	51.9	.	.	9-22	1.7	1.0	46	0
Hartz Variety H4994RR	51.2	56.6	53.1	9-25	1.0	1.0	32	0
Deltapine DP 4909	51.0	54.8	.	9-29	1.7	1.0	46	0
Croplan Genetics 490	46.8	47.4	44.5	9-29	2.0	1.0	47	1
Croplan Genetics 4979RR	46.8	.	.	9-29	3.7	1.0	48	1
DT97-4290	45.5	.	.	9-26	2.3	1.0	41	0
Terral TV4975	42.4	45.5	42.9	9-26	2.7	1.0	46	20
Grand mean	55.2	.	.	9-24	1.8	1.2	41	.
LSD (5%)	5.3	.	.	4	0.7	0.5	.	.
C.V. (%)	5.9	.	.	3	25.3	24.7	.	.

Table 7. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)	SDS ¹ %TLAA
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less)</u>								
Delta King 5267RR	62.7	.	.	9-26	1.0	1.0	35	0
Delta King 5465RR	62.5	.	.	10-06	1.0	1.0	27	0
Armor A52-C2	62.5	.	.	9-28	1.3	1.0	23	0
Progeny 5600	61.7	63.6	.	10-05	2.0	1.0	34	0
Asgrow A5547	61.5	66.9	64.6	10-04	1.7	1.0	33	1
Anand	61.5	67.8	66.7	10-05	1.0	1.0	25	0
Delta Grow 5250RR	61.4	.	.	10-04	1.0	1.0	34	0
Pioneer Brand 95B33	61.2	65.2	.	10-03	1.0	1.0	31	0
Delta Grow 5450RR	61.0	.	.	10-06	1.0	1.0	32	0
Progeny 5120N	60.6	61.2	.	9-29	1.3	1.0	34	1
Pioneer Brand 95B32RR	60.1	62.7	.	9-28	1.0	1.0	29	5
Willcross RR2520N	59.9	.	.	10-03	1.0	1.0	27	0
Delta King 5366RR	59.9	.	.	10-04	2.7	1.0	32	0
Asgrow AG5501	59.9	.	.	10-05	1.3	1.0	35	0
Delta King 5661RR	58.5	63.7	.	10-05	2.0	1.0	37	0
R96-209	57.9	.	.	10-01	1.0	1.7	31	0
Hartz H5231RR	57.9	.	.	10-04	1.0	1.0	28	0
Asgrow AG 5602	57.7	58.9	.	10-06	1.3	1.0	36	2
MFA Morsoy 5108N	57.7	.	.	9-29	1.0	1.0	31	1
S96-2692	56.8	.	.	10-02	1.7	1.0	34	0
Delta King 5668RR	56.6	.	.	10-05	2.0	1.0	31	0
Delsoy 5500	56.3	58.5	59.8	10-01	1.3	1.0	27	0
Deltapine DP 5655	55.9	59.0	.	10-04	3.3	1.0	41	0
Delta Grow 5630RR	55.7	.	.	10-06	2.0	1.0	34	0
EK XP5100	55.0	.	.	9-23	2.3	1.7	46	0
MFA Morsoy RT541SCN	54.4	56.5	.	9-27	1.0	1.0	31	0
Delta Grow 5310RR	54.4	.	.	10-01	2.0	1.0	33	0
Delta King 5580	54.1	58.1	.	10-03	2.0	1.0	33	0
Delta King 5850	53.2	57.3	56.0	10-05	2.0	1.0	34	0
Deltapine DP 5644RR	53.0	56.1	57.1	10-03	2.0	1.0	37	0
Essex RSV1	52.3	58.1	54.6	9-26	2.0	1.3	26	1
Hutcheson	52.1	54.9	53.3	10-05	1.3	1.0	31	0
Pioneer Brand 95B53RR	51.2	55.5	.	10-03	1.7	1.0	25	2
Progeny 5410RR	50.6	.	.	9-29	2.0	1.0	34	2
HBK R5588	50.4	57.8	54.3	9-30	2.0	1.0	31	2

Table 7. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)	SDS ¹ %TLAA
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued</u>								
Southern States ExpRT5399	49.7	.	.	9-24	1.3	1.0	32	0
Essex RSV4	49.2	53.4	.	9-24	1.0	1.7	28	8
FC 530	48.4	.	.	10-04	1.3	1.0	26	0
Southern States RT557N	48.3	56.4	56.5	10-01	2.3	1.0	34	4
Essex	47.0	51.9	51.9	9-28	2.0	1.0	30	5
Terral TV5666RR	46.4	49.9	47.6	10-04	2.3	1.3	32	3
Asgrow AG 5001	46.2	51.4	.	9-21	2.0	2.0	36	26
Accomac	45.2	53.4	53.3	10-05	2.3	1.0	31	1
Terral TV5495	44.8	46.8	48.2	10-02	2.7	1.0	38	2
Terral TV5486RR	42.8	48.3	.	10-02	2.7	1.0	50	0
Deltapine DP 5354	42.6	50.1	51.5	9-26	3.7	1.3	38	18
Terral TVX54R908	42.6	.	.	10-01	2.7	1.0	47	12
Croplan Genetics 556RR	41.9	50.2	.	10-03	1.3	1.0	27	0
MFA Morsoy 5389N	41.3	.	.	10-05	1.3	1.0	23	0
Croplan Genetics Robin-5	23.3	40.3	45.6	10-07	1.3	1.0	23	0
Grand mean	53.4	.	.	10-02	1.7	1.1	32	.
LSD (5%)	6.3	.	.	3	0.7	0.4	.	.
C.V. (%)	7.2	.	.	2	23.6	22.4	.	.
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9)</u>								
HBK 5991	63.9	66.1	65.5	10-06	2.0	1.0	36	0
Delta King 5995	60.8	63.2	63.7	10-05	2.7	1.0	33	0
Asgrow A5944	60.3	60.7	60.1	10-10	1.3	1.3	35	0
Deltapine DP5915RR	60.3	.	.	10-09	2.3	1.0	34	1
TN 94-213	58.6	.	.	10-02	1.0	1.0	39	12
DEKALB CX580CRR	56.8	60.7	.	10-04	2.3	1.0	36	0
AST-82	56.4	.	.	10-01	2.0	1.0	33	3
S94-1867	56.1	.	.	10-06	2.7	1.0	44	0
Hartz H5885RR	56.1	.	.	10-04	2.3	1.3	37	0
Pioneer Brand 9594	55.7	60.2	58.7	10-06	3.3	1.0	41	5
Caviness	55.7	59.4	62.1	10-02	3.3	1.0	33	25
Asgrow A5959	55.4	63.3	62.1	10-06	2.3	1.0	34	0
Asgrow AG 5701	55.2	59.5	.	10-08	2.7	1.0	36	0

Table 7. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)	SDS ¹ %TLAA
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>								
TN 93-99	54.3	.	.	10-02	1.7	1.0	32	25
Pioneer Brand 95B95RR	54.1	56.3	.	10-07	1.7	1.0	35	16
V91-3036	53.9	57.5	56.8	10-03	2.3	1.0	31	6
Asgrow AG 5802	53.9	58.9	.	10-11	1.7	1.0	40	2
HBK 5990	53.7	57.8	56.7	10-07	1.0	1.0	32	13
R95-2210	53.5	.	.	10-05	3.3	1.0	41	1
Southern States RT5999N	52.3	.	.	10-04	1.7	1.0	43	8
Excel	51.9	.	.	10-04	1.7	1.0	32	3
Delta Grow 5710	51.5	54.5	57.1	10-04	1.3	1.3	34	16
Terral TV 5926	51.2	53.1	56.3	10-09	2.0	1.0	36	2
S96-2641	50.8	.	.	10-10	2.3	1.0	34	0
Asgrow AG 5901	50.4	56.9	.	10-07	2.7	1.0	31	10
Asgrow AG 5902	50.3	.	.	10-06	3.7	1.0	38	9
Deltapine DP 5806RR	49.9	53.9	55.2	10-06	3.0	1.0	39	11
Delta Grow 5940	49.7	.	.	10-12	2.7	1.0	35	7
DT96-6840	49.5	.	.	10-05	3.3	1.0	35	4
Terral TVX59R901	49.5	.	.	10-07	3.7	1.0	36	0
Dyna Gro 3582	49.2	.	.	10-06	2.7	1.0	37	1
HBK R5920	47.9	52.9	.	10-06	3.3	1.0	41	1
Delta Grow 5950RR	47.7	53.6	.	10-07	3.0	1.0	42	1
Progeny 5900RR	47.5	55.9	.	10-07	3.7	1.0	34	0
NK Brand S59-V6	47.2	52.1	52.6	10-02	3.0	1.0	31	13
Delta King 5762RR	46.8	55.1	.	10-06	2.7	1.0	39	1
NK Brand S59-60	46.1	55.0	55.8	10-06	3.0	1.0	32	25
UARK-5896	45.3	49.4	50.3	10-06	3.0	1.0	34	4
Terral TV 5866RR	45.3	.	.	10-05	3.7	1.0	30	2
Hartz Variety H5999RR	44.8	50.3	49.2	10-07	3.7	1.0	39	22
Dixie 5799	44.6	55.5	.	10-05	1.3	1.0	29	1
Terral TVX 5794RR	44.4	.	.	10-07	1.0	1.0	37	4
Deltapine DP 5989	44.2	48.8	.	10-07	3.7	1.0	44	5
Croplan Genetics 590RR	43.9	52.4	.	10-08	2.7	1.3	39	1
Croplan Genetics 5770RR	43.4	.	.	10-08	1.3	1.0	32	7
Delta King 5961 RR	43.1	50.8	50.3	10-08	2.3	1.0	39	25
Willcross RR2580N	43.0	.	.	10-04	3.0	1.0	32	0
NK Brand S57-A4	42.2	.	.	10-06	1.7	1.0	36	1

Table 7. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)	SDS ¹ %TLAA
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>								
Southern States 597N	41.9	.	.	10-05	2.7	1.0	38	34
Bolivar	41.6	50.6	.	10-02	4.3	1.0	40	1
UARK-5798	40.6	46.9	46.8	10-05	3.3	1.0	35	36
Southern States RT587N	40.3	48.6	49.3	10-06	1.3	1.7	37	43
Grand mean	50.2	.	.	10-06	2.5	1.0	36	.
LSD (5%)	6.4	.	.	2	1.0	0.3	.	.
C.V. (%)	7.9	.	.	1	25.0	16.8	.	.
<u>Maturity Group VI</u>								
NK Brand S62-62	60.4	60.7	58.5	10-22	1.0	1.0	35	0
TN 93-142-17	57.5	.	.	10-09	1.7	1.0	42	1
Asgrow AG 6201	54.2	.	.	10-13	2.7	1.3	39	2
Dillon	53.1	51.9	49.9	10-13	1.7	1.3	43	2
Pioneer Brand 96B21RR	51.4	52.0	.	10-09	3.3	1.0	39	2
R92-1258	50.1	47.0	46.7	10-15	3.3	1.0	50	1
Croplan Genetics 6299RR	50.1	.	.	10-09	2.3	1.3	44	2
HBK 6600	48.6	45.1	45.6	10-15	3.0	1.0	47	2
Asgrow AG 6101	47.2	47.9	.	10-10	1.7	1.7	40	9
Southern States RT6299N	44.8	.	.	10-19	1.3	1.3	44	6
HBK R6020	44.0	51.4	.	10-16	2.7	1.0	40	1
Grand mean	51.0	.	.	10-14	2.2	1.2	42	.
LSD (5%)	7.4	.	.	9	1.1	0.7	.	.
C.V. (%)	8.6	.	.	5	29.9	36.1	.	.

¹ Sudden Death Syndrome, ratings are in %Total Leaf Area Affected. Ratings by Dr. J. Rupe.

Table 7. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000, Continued.

Soil Series.....	Calloway silt loam
Previous Crop.....	Cotton
Row Width.....	38 inches
Fertilizer Applied.....	200 lbs./A 0-23-30, 4-21-00
Lime Applied	None
Planting Date.....	5-15-00
Herbicide Application	1.5 pts./A Treflan, 5-15-00, 1 pt./A Storm, 6-01-00, 1 pt./A Storm, 6-20-00
Irrigation Dates.....	7-08, 7-15, 7-25, 7-30, 8-10, 8-22, 9-07
Harvest Dates.....	MG 4 Early maturing cultivars: 10-02-00
	MG 4 Late maturing cultivars: 10-05-00
	MG 5 Early maturing cultivars: 10-11-00
	MG 5 Late maturing cultivars: 10-13-00
	MG 6: 10-23-00

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2000	3.8	4.9	3.2	0.3	0.4	1.1	0.3	14.0
Average	5.4	5.2	3.4	4.0	2.8	4.0	3.0	27.8
Departure	-1.6	-0.3	-0.2	-3.7	-2.4	-2.9	-2.7	-13.8

Table 8. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000¹.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
Asgrow AG 4602	18.5	.	.	9-13	1.0	1.0	23
DEKALB DK44-51	17.5	.	.	8-29	1.0	2.0	26
Dyna-Gro 3468NRR	16.6	.	.	9-02	1.0	1.7	23
Asgrow AG 4403	16.6	.	.	8-31	1.0	2.3	25
Asgrow AG 4601	16.2	.	.	9-05	1.0	1.0	28
Deltapine 4748S	15.9	.	.	9-03	1.0	1.3	30
Dixie 478	15.5	18.6	20.2	8-30	1.0	1.0	32
HBK R4660	15.3	.	.	9-01	1.0	1.0	29
Delta King 4762 RR	15.1	18.9	23.0	9-09	1.0	1.0	28
HBK 4891	15.1	.	.	8-29	1.0	2.0	25
Terral TV4589RR	15.1	.	.	8-31	1.0	1.3	24
HBK R4855	14.9	.	.	9-08	1.0	2.0	30
FC 470	14.9	.	.	8-29	1.0	1.7	29
Delta King 4711	14.7	.	.	9-01	1.0	2.0	29
Asgrow AG 4702	14.7	.	.	8-31	1.0	1.3	27
AgriPro AP 4882	14.7	.	.	8-30	1.0	2.0	29
Asgrow A4324	14.5	.	.	8-28	1.0	2.7	28
NK Brand S46-W8	14.4	20.7	.	9-06	1.0	1.7	27
Deltapine DP 3478	14.0	.	.	8-30	1.0	1.7	30
Croplan Gen 477RR	14.0	.	.	9-03	1.0	1.0	26
Croplan Gen 466RR	13.6	.	.	9-02	1.0	1.0	28
DEKALB CX 444 CRR	13.6	.	.	9-02	1.0	1.3	23
Garst D472RR/N	13.6	.	.	8-31	1.0	1.0	29
Terral TV4787RR	12.9	.	.	8-29	1.0	2.0	29
Deltapine 4344RR	12.8	.	.	8-30	1.0	2.3	32
MFA Morsoy RT4729SCN	12.7	.	.	9-04	1.0	2.0	24
Deltapine DP 4690RR	12.3	.	.	8-31	1.0	1.0	29
Delta Grow 4740	12.3	.	.	9-01	1.0	1.3	29
Progeny 4910	12.3	.	.	9-01	1.0	2.0	28
AgriPro AP 4888 RR	11.9	.	.	8-31	1.0	1.3	28
Delta King 4680	9.7	.	.	9-02	1.0	1.0	25
Grand mean	14.4	.	.	9-02	1.0	1.5	27
LSD (5%)	3.1	.	.	7	.	0.8	.
C.V. (%)	13.4	.	.	7	.	31.5	.

¹ Because of the abnormally hot and dry weather only the MG4 “early” test will be reported.

² The 1999 nonirrigated tests were not reported. Two- and three-year averages are based on 1998 and 2000 yields, and 1997, 1998 and 2000 yields respectively.

Table 8. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2000¹, Continued.

Soil Series..... Calloway silt loam
 Previous Crop..... Soybean
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied None
 Planting Date..... 5-17-00
 Herbicide Application 1.5 pts./A Treflan, 5-18-00, 1 pt./A Storm, 6-02-00
 Irrigation Dates..... None
 Harvest Date..... MG 4 Early maturing cultivars: 9-15-00

	<u>Precipitation (inches)</u>							
	April	May	June	July	August	September	October	Total
2000	3.8	4.9	3.2	0.3	0.4	1.1	0.3	14.0
Average	5.4	5.2	3.4	4.0	2.8	4.0	3.0	27.8
Departure	-1.6	-0.3	-0.2	-3.7	-2.4	-2.9	-2.7	-13.8

Table 9. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2000.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>						
Deltapine 4748S	61.0	.	.	1.0	1.2	39
Progeny 4910	58.9	.	.	1.0	1.0	37
Delta Grow 4740	58.7	.	.	1.0	1.0	36
Dixie 478	55.3	56.0	47.0	1.0	1.0	35
NK Brand S46-W8	55.2	50.4	40.5	1.0	1.0	31
DEKALB CX 444 CRR	54.3	55.1	.	1.0	1.0	34
Asgrow A4324	53.5	.	.	1.0	1.0	32
Deltapine DP 3478	51.4	47.6	.	1.0	1.0	37
Deltapine DP 4690RR	51.2	50.1	.	1.0	1.0	36
Delta King 4711	51.0	52.5	.	1.0	1.0	38
HBK 4891	50.7	55.4	.	1.0	1.0	34
Delta King 4762 RR	49.9	49.9	43.8	1.0	1.0	40
DEKALB DK44-51	49.3	.	.	1.0	1.5	32
Croplan Genetics 477RR	49.2	48.6	.	1.0	1.0	32
Delta King 4680	48.9	51.7	.	1.0	1.0	31
Asgrow AG 4403	48.8	.	.	1.0	1.0	35
Asgrow AG 4602	48.2	49.3	.	1.0	1.0	34
HBK R4660	47.8	49.0	.	1.0	1.0	39
Garst D472RR/N	47.8	.	.	1.0	1.0	36
MFA Morsoy RT4729SCN	47.7	.	.	1.0	1.0	32
Terral TV4589RR	47.6	.	.	1.0	1.2	31
AgriPro AP 4882	47.5	.	.	1.0	1.0	36
Asgrow AG 4601	47.1	50.5	.	1.0	1.0	33
Dyna-Gro 3468NRR	46.1	.	.	1.0	1.0	26
Deltapine 4344RR	45.9	.	.	1.0	1.0	37
Terral TV4787RR	45.3	.	.	1.0	1.0	34
HBK R4855	45.2	49.7	.	1.0	1.5	33
Asgrow AG 4702	44.2	45.5	.	1.0	1.0	34
FC 470	43.2	.	.	1.0	1.0	32
Croplan Genetics 466RR	43.0	44.2	.	1.0	1.0	37
AgriPro AP 4888 RR	42.0	.	.	1.0	1.0	35
Grand mean	49.5	.	.	1.0	1.0	34
LSD (5%)	7.3	.	.	.	0.2	.
C.V. (%)	9.1	.	.	.	13.6	.

Table 9. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>						
Southern States 4985STS	61.2	.	.	1.0	1.0	32
MFA Morsoy RT 4809	60.8	.	.	1.0	1.0	34
Pioneer Brand 9482	60.2	62.1	52.9	1.0	1.0	37
TN 93-87	59.6	.	.	1.0	1.0	26
Southern States SS495	59.3	59.9	52.0	1.0	1.0	37
Hartz Variety H4994RR	57.1	60.3	51.2	1.0	1.0	39
Md 4900	56.8	57.8	.	1.0	1.0	13
Manokin	56.7	58.7	49.3	1.0	1.0	24
Hartz H4884RR	56.6	.	.	1.0	1.0	38
Terral TV4975	56.1	59.7	51.1	1.2	1.0	44
Deltapine DP 4909	55.6	57.1	.	1.0	1.0	39
Croplan Genetics 490	55.4	57.5	48.7	1.0	1.0	40
Terral TV4881	55.4	56.3	.	1.0	1.0	34
Dixie 4803	55.1	.	.	1.0	1.0	35
SG 498RR	54.5	58.7	50.2	1.0	1.0	27
DT97-4290	54.5	.	.	1.0	1.0	36
Pioneer Brand 9492RR	53.5	.	.	1.0	1.0	33
Southern States RT4980	53.4	.	.	1.0	1.0	36
Delta King 4868RR	53.3	55.6	.	1.0	1.0	31
Asgrow A4922	53.2	57.4	48.9	1.0	1.0	35
Terral TVX48R908	52.9	.	.	1.0	1.0	38
Croplan Genetics 4979RR	52.6	.	.	3.0	1.0	39
Delta King 4965 RR	52.4	52.8	45.5	1.0	1.0	32
MFA Morsoy RT4889N	52.2	.	.	1.0	1.0	34
Asgrow AG 4901	52.0	54.7	.	1.0	1.0	37
Asgrow AG 4902	51.1	54.4	.	1.0	1.0	27
Terral TVX48R901	50.6	.	.	1.0	1.0	38
Terral TV4890 RR	50.5	52.8	.	1.0	1.0	37
HBK R4920	50.5	.	.	1.0	1.0	38
Terral TV4886RR	50.1	.	.	1.0	1.0	34
Delta Grow 4850RR	49.0	.	.	1.0	1.0	36
Croplan Genetics 480RR	48.6	51.7	.	1.0	1.0	33
FC 490	47.5	.	.	1.0	1.0	36
Grand mean	54.2	.	.	1.1	1.0	34
LSD (5%)	6.6	.	.	0.1	.	.
C.V. (%)	7.6	.	.	4.6	.	.

Table 9. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less)</u>						
Asgrow AG5501	67.7	.	.	1.0	1.0	24
Pioneer Brand 95B33	66.2	65.9	.	1.0	1.0	28
Pioneer Brand 95B32RR	66.1	65.8	.	1.0	1.0	21
Terral TV5486RR	65.8	63.4	.	1.0	1.0	39
Deltapine DP 5354	65.7	67.5	57.6	1.8	1.0	31
Delta King 5580	64.8	64.3	.	1.0	1.0	26
Deltapine DP 5655	64.4	63.7	.	3.0	1.0	36
Deltapine DP 5644RR	64.1	63.4	54.9	1.0	1.0	28
HBK R5588	62.5	61.4	53.6	1.0	1.0	28
Delsoy 5500	62.4	63.0	55.3	1.0	1.0	28
Armor A52-C2	62.4	.	.	1.0	1.0	23
Delta King 5850	62.0	61.4	53.5	1.0	1.0	25
Hutcheson	61.9	59.8	53.3	1.0	1.0	26
Accomac	61.9	61.6	51.5	1.0	1.0	34
Terral TVX54R908	61.9	.	.	1.0	1.0	36
Southern States RT557N	61.8	62.2	54.0	1.0	1.0	31
Progeny 5600	61.7	59.4	.	1.0	1.0	28
Pioneer Brand 95B53RR	61.7	62.8	.	1.0	1.0	22
Asgrow A5547	61.6	63.8	.	1.0	1.0	25
Delta King 5465RR	61.4	.	.	1.0	1.0	28
Delta Grow 5450RR	61.1	.	.	1.0	1.0	25
R96-209	61.0	.	.	1.0	1.0	25
Delta King 5668RR	60.6	.	.	1.0	1.0	27
S96-2692	60.6	.	.	1.0	1.0	26
Asgrow AG 5001	60.5	60.8	.	1.0	1.0	33
Delta Grow 5630RR	60.5	.	.	1.0	1.0	28
Delta Grow 5250RR	60.3	.	.	1.0	1.0	24
Delta King 5661RR	60.1	60.9	.	1.0	1.0	29
Asgrow AG 5602	60.0	59.8	.	1.0	1.0	29
Hartz H5231RR	60.0	.	.	1.0	1.0	23
Terral TV5495	59.5	58.2	50.2	1.0	1.0	38
Terral TV5666RR	59.5	57.2	48.6	1.0	1.0	29
Progeny 5120N	59.5	58.3	.	1.0	1.0	25
Willcross RR2520N	59.4	.	.	1.0	1.0	24
Delta King 5366RR	58.9	.	.	1.0	1.0	30

Table 9. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued</u>						
Croplan Genetics Robin-5	58.0	58.3	51.0	1.0	1.0	28
Delta Grow 5310RR	58.0	.	.	1.0	1.0	29
Delta King 5267RR	57.9	.	.	1.0	1.0	31
Essex	57.3	57.0	48.5	1.0	1.0	20
Progeny 5410RR	56.7	.	.	1.0	1.0	28
MFA Morsoy RT541SCN	55.9	57.8	.	1.0	1.0	23
Croplan Genetics 556RR	55.5	57.1	.	1.0	1.0	24
Southern States ExpRT5399	55.5	.	.	1.0	1.0	28
MFA Morsoy 5389N	55.2	.	.	1.0	1.0	22
EK XP5100	54.8	.	.	1.0	1.8	34
Essex RSV1	54.2	53.8	46.3	1.0	1.0	21
FC 530	53.9	.	.	1.0	1.0	21
Essex RSV4	53.8	54.0	.	1.0	1.0	19
Anand	50.0	51.9	44.6	1.0	1.0	21
MFA Morsoy 5108N	49.8	.	.	1.0	1.0	25
Grand mean	59.9	.	.	1.1	1.0	27
LSD (5%)	5.8	.	.	0.2	0.1	.
C.V. (%)	6.0	.	.	13.8	4.0	.

Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9)

Pioneer Brand 9594	73.8	70.7	61.1	1.0	1.0	27
TN 94-213	71.7	.	.	1.0	1.0	25
DT96-6840	71.5	.	.	2.2	1.0	31
Delta Grow 5950RR	70.0	64.8	.	1.0	1.0	28
NK Brand S59-60	69.5	64.8	56.6	1.0	1.0	29
HBK 5990	69.2	66.1	59.6	1.0	1.0	26
Southern States 597N	69.1	.	.	1.2	1.0	34
Delta Grow 5940	68.9	.	.	1.0	1.0	31
Asgrow A5944	68.7	67.1	57.8	1.0	1.0	30
Asgrow AG 5901	68.6	62.5	.	1.0	1.0	36
UARK-5798	68.0	64.2	54.4	1.3	1.0	35
Asgrow A5959	67.6	68.4	56.8	1.0	1.0	27
HBK 5991	67.5	68.3	59.0	1.0	1.0	28

Table 9. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>						
Dixie 5799	67.5	64.9	.	1.0	1.0	26
Deltapine DP 5806RR	67.2	62.4	54.7	1.5	1.0	34
Caviness	67.1	66.2	54.8	1.0	1.0	27
Asgrow AG 5802	67.1	60.0	.	1.0	1.0	33
Deltapine DP 5989	67.1	65.9	.	1.7	1.0	40
Terral TVX 5794RR	67.1	.	.	1.0	1.0	27
Deltapine DP5915RR	67.1	.	.	1.0	1.0	33
NK Brand S59-V6	66.9	64.1	54.5	1.0	1.0	26
UARK-5896	66.7	62.8	54.6	1.0	1.0	31
TN 93-99	66.6	.	.	1.0	1.0	24
Southern States RT5999N	66.6	.	.	1.0	1.0	36
Croplan Genetics 590RR	66.0	62.3	.	1.0	1.0	32
Progeny 5900RR	65.9	65.3	.	1.0	1.0	33
Pioneer Brand 95B95RR	65.8	62.8	.	1.0	1.0	26
V91-3036	65.7	62.6	54.3	1.0	1.0	28
Hartz H5885RR	65.7	.	.	1.0	1.0	26
Delta King 5961 RR	65.5	60.1	52.7	1.2	1.0	32
Bolivar	65.5	63.9	.	1.0	1.0	35
HBK R5920	64.7	64.2	.	1.0	1.0	32
S96-2641	64.6	.	.	1.0	1.0	28
Asgrow AG5902	64.3	.	.	1.0	1.0	39
Dyna Gro 3582	64.1	.	.	1.0	1.0	32
Delta King 5762RR	64.0	62.5	.	1.0	1.0	30
R95-2210	64.0	.	.	1.0	1.0	27
Delta King 5995	63.9	62.0	53.5	1.0	1.0	29
Asgrow AG 5701	63.2	63.9	.	1.0	1.0	23
Southern States RT587N	63.1	60.0	51.7	1.0	1.0	28
DEKALB CX580CRR	63.1	62.6	.	1.0	1.0	28
Terral TVX59R901	62.7	.	.	1.0	1.0	33
AST-82	62.6	.	.	1.0	1.0	24
Hartz Variety H5999RR	62.5	59.8	53.3	1.3	1.0	34
Delta Grow 5710	61.3	62.4	53.0	1.0	1.0	29
Excel	61.1	.	.	1.0	1.0	27
Willcross RR2580N	60.4	.	.	1.0	1.0	27
Terral TV 5926	59.9	56.7	51.1	1.0	1.0	29

Table 9. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2000, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>						
S94-1867	59.9	.	.	1.2	1.0	35
Croplan Genetics 5770RR	59.9	.	.	1.0	1.0	32
NK Brand S57-A4	59.7	.	.	1.0	1.0	28
Terral TV 5866RR	58.1	.	.	2.0	1.0	29
Grand mean	65.5	.	.	1.1	1.0	30
LSD (5%)	5.6	.	.	0.3	.	.
C.V. (%)	5.3	.	.	14.5	.	.
<u>Maturity Group VI</u>						
R92-1258	65.5	61.2	56.5	1.0	1.0	31
Pioneer Brand 96B21RR	65.3	67.0	.	1.0	1.0	33
TN 93-142-17	61.2	.	.	1.0	1.0	32
Southern States RT6299N	58.1	.	.	1.0	1.0	32
HBK 6600	56.2	55.5	52.4	1.8	1.0	35
Asgrow AG 6101	56.0	57.5	.	1.0	1.0	30
NK Brand S62-62	55.6	57.2	53.1	1.0	1.0	27
Croplan Genetics 6299RR	54.8	.	.	1.0	1.0	33
Asgrow AG 6201	54.3	.	.	1.0	1.0	32
HBK R6020	53.3	55.8	.	1.0	1.0	25
Dillon	50.2	50.4	47.6	1.0	1.0	31
Grand mean	57.3	.	.	1.1	1.0	31
LSD (5%)	6.9	.	.	0.1	.	.
C.V. (%)	7.1	.	.	7.8	.	.

Table 9. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2000, Continued.

Soil Series.....	Crowley silt loam
Previous Crop.....	Rice
Row Width.....	32 inches
Fertilizer Applied.....	100 lbs./A 0-40-60, 5-30-00
Lime Applied	None
Planting Date.....	6-01-00
Herbicide Application	1.4 oz./A Scepter + 2 pts./A Dual, 5-30-00
Irrigation Dates.....	7-11, 7-21, 8-03, 8-12, 8-20, 8-27, 9-03, 9-12, 9-24
Harvest Dates.....	MG 4 Early maturing cultivars: 10-03-00
	MG 4 Late maturing cultivars: 10-03-00
	MG 5 Early maturing cultivars: 10-16-00
	MG 5 Late maturing cultivars: 10-16-00
	MG 6: 10-17-00

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2000	3.5	9.3	4.6	0.3	0.3	1.5	1.5	21.0
Average	5.6	4.7	3.6	3.4	2.8	4.1	2.7	26.9
Departure	-2.1	+4.6	+1.0	-3.1	-2.5	-2.6	-1.2	-5.9

Table 10. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2000¹.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
Deltapine 4748S	53.7	.	.	9-23	1.0	1.0	37
Dixie 478	52.7	62.5	57.9	9-26	1.0	1.0	40
Deltapine DP 4690RR	45.9	57.4	.	9-29	1.0	1.0	35
AgriPro AP 4882	45.9	48.6	.	9-26	1.0	1.0	32
AgriPro AP 4888 RR	45.1	55.6	.	9-28	1.0	1.0	33
HBK 4891	44.6	52.7	.	9-26	1.0	1.0	34
NK Brand S46-W8	43.3	46.3	.	9-16	1.0	1.0	30
HBK R4855	42.1	48.4	.	9-28	1.0	1.0	30
Asgrow AG 4403	41.9	.	.	9-21	1.0	1.0	31
Terral TV4589RR	41.5	.	.	9-18	1.0	1.0	26
Terral TV4787RR	40.6	.	.	9-24	1.0	1.0	34
MPV 457NRR	40.6	42.3	.	9-16	1.0	1.0	27
DEKALB DK44-51	39.9	.	.	9-19	1.0	1.0	28
Deltapine 4344RR	37.9	.	.	9-18	1.0	1.0	34
Deltapine DP 3478	37.1	48.2	50.9	9-28	1.0	1.0	32
Delta King 4762 RR	36.0	49.5	50.1	9-27	1.0	1.0	34
Progeny 4910	35.9	.	.	9-28	1.0	1.0	33
MFA Morsoy 4580	35.4	.	.	9-26	1.0	1.0	30
Asgrow AG 4601	34.9	43.3	.	9-18	1.0	1.0	23
Delta King 4711	34.7	49.6	.	9-28	1.0	1.0	33
FC 470	34.7	.	.	9-15	1.0	1.0	28
Dyna-Gro 3468NRR	34.4	43.0	.	9-20	1.0	1.0	25
DEKALB CX 444 CRR	33.7	47.6	.	9-21	1.0	1.0	32
HBK R4660	32.1	37.1	.	9-18	1.0	1.0	30
Delta Grow 4740	31.7	.	.	9-28	1.0	1.0	36
Garst D472RR/N	31.6	.	.	9-17	1.0	1.0	32
MFA Morsoy RT4729SCN	31.4	.	.	9-19	1.0	1.0	27
Delta King 4680	29.6	48.9	.	9-29	1.0	1.0	27
Asgrow AG 4602	29.0	41.0	.	9-18	1.0	1.0	27
Asgrow A4324	25.2	.	.	9-16	1.0	1.0	24
Asgrow AG 4702	24.9	41.2	.	9-20	1.0	1.0	21
Croplan Genetics 477RR	24.8	31.8	36.0	9-22	1.0	1.0	28
Croplan Genetics 466RR	14.5	31.9	.	9-19	1.0	1.0	30
Grand mean	36.6	.	.	9-22	1.0	1.0	30
LSD (5%)	10.0	.	.	3	.	.	.
C.V. (%)	16.9	.	.	2	.	.	.

Table 10. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2000¹, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
Terral TV4975	52.9	53.6	54.7	9-28	1.0	1.0	43
Southern States SS495	48.5	56.0	54.2	9-28	1.0	1.0	36
Md 4900	47.0	55.9	.	9-28	1.0	1.0	18
DT97-4290	46.8	.	.	9-28	1.0	1.0	23
DPX 4910S	46.7	.	.	9-29	1.0	1.0	34
Asgrow AG 4901	43.3	52.7	.	9-24	1.0	1.0	34
Delta King 4868RR	42.2	49.6	.	9-24	1.0	1.0	26
MFA Morsoy RT 4809	41.6	49.9	.	9-25	1.0	1.0	32
ES 4902RR	41.4	.	.	9-28	1.0	1.0	37
Asgrow AG 4902	41.2	47.8	.	9-21	1.0	1.0	29
Pioneer Brand 9482	39.8	50.4	47.2	9-25	1.0	1.0	32
SG 498RR	39.7	55.9	53.4	9-29	1.0	1.0	20
MFA Morsoy RT4889N	39.5	.	.	9-25	1.0	1.0	35
Dixie 4803	39.2	50.7	.	9-28	1.0	1.0	29
Terral TV4886RR	38.4	.	.	9-25	1.0	1.0	38
Southern States RT4980	38.2	.	.	9-27	1.0	1.0	32
Southern States 4985STS	37.9	.	.	9-26	1.0	1.0	20
Southern States Exp4899	37.3	.	.	9-25	1.0	1.0	35
Hartz Variety H4994RR	37.2	53.1	44.9	9-29	1.0	1.0	23
Dyna Gro 3484NRR	36.5	.	.	9-25	1.0	1.0	28
Hartz H4884RR	36.4	.	.	9-25	1.0	1.0	30
Manokin	36.2	44.2	41.5	9-29	1.0	1.0	21
Croplan Genetics 480RR	36.0	51.0	.	9-26	1.0	1.0	30
Deltapine DP 4909	35.9	40.9	.	9-28	1.0	1.0	36
Terral TVX48R901	35.4	.	.	9-26	1.0	1.0	27
Croplan Genetics 490	35.3	50.7	47.9	9-29	1.0	1.0	44
Delta Grow 4850RR	35.3	36.2	.	9-26	1.0	1.0	31
Asgrow A4922	34.6	41.4	41.3	9-25	1.0	1.0	34
Terral TV4890 RR	34.1	37.1	.	9-18	1.0	1.0	32
HBK R4920	34.1	.	.	9-27	1.0	1.0	31
MFA Morsoy 4850	33.0	.	.	9-27	1.0	1.0	32
Delta King 4965 RR	32.0	44.0	41.3	9-26	1.0	1.0	22
Terral TVX48R908	31.9	.	.	9-26	1.0	1.0	30
Terral TV4881	31.4	43.5	.	9-27	1.0	1.0	30
Pioneer Brand 9492RR	31.0	.	.	9-19	1.0	1.0	28

Table 10. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2000¹, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
TN 93-87	31.0	.	.	9-28	1.0	1.0	28
Garst D484RR/N	28.6	.	.	9-25	1.0	1.0	31
Croplan Genetics 4979RR	26.4	.	.	9-28	1.0	1.0	36
FC 490	21.5	.	.	9-23	1.0	1.0	31
Grand mean	37.3	.	.	9-26	1.0	1.0	30
LSD (5%)	9.8	.	.	2	.	.	.
C.V. (%)	16.2	.	.	2	.	.	.

¹The MG5 and MG6 irrigated tests at Rohwer were planted and replanted, but adequate stands were not achieved.

Soil Series..... Perry Clay
 Previous Crop..... Soybean
 Row Width..... 19 inches
 Fertilizer Applied..... 200 lbs./A 0-15-40, 4-25-00
 Lime Applied None
 Planting Date..... 5-31
 Herbicide Application 2 pts./A Dual 8E + 1.4 oz./A Scepter, 4-27-00, 1.5 pts./A Reflex, 6-23-00,
 10 oz./A Fusilade, 6-23-00, 1.25 pts./A Flexstar, 7-12-00
 Insecticide Application 1.6 oz./A Tracer, 8-24-00
 Irrigation Dates..... 7-14, 7-25, 8-07, 8-15, 8-23, 8-31
 Harvest Dates..... MG 4 Early maturing cultivars: 10-05-00
 MG 4 Late maturing cultivars: 10-05-00

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2000	6.6	5.6	4.8	0.6	0.0	1.6	1.2	20.4
Average	5.0	4.7	3.5	3.9	2.7	3.1	2.7	25.6
Departure	+1.6	+0.9	+1.3	-3.3	-2.7	-1.5	-1.5	-5.2

Table 11. Performance of Irrigated Soybean Cultivars, McLelland Farm, Clark County, AR, 2000¹.

Brand/Cultivar	2000 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>						
Progeny 4910	30.1	.	9-18	1.7	1.0	26
DEKALB CX 444 CRR	29.6	20.9	9-15	1.0	1.0	28
HBK R4660	28.6	24.2	9-15	1.0	1.3	30
Delta Grow 4740	28.3	.	9-18	1.0	1.0	22
Dyna-Gro 3468NRR	28.1	.	9-16	1.3	1.0	22
Deltapine 4748S	28.1	.	9-17	1.3	1.0	27
Delta King 4762 RR	27.7	24.2	9-15	1.3	1.0	26
Croplan Genetics 477RR	27.3	23.6	9-15	1.3	1.0	24
Asgrow AG 4601	26.5	24.5	9-15	1.0	1.0	23
Deltapine DP 4690RR	26.1	22.5	9-18	1.3	1.0	27
AgriPro AP 4882	25.5	.	9-17	1.3	1.3	28
Garst D472RR/N	25.4	.	9-15	1.3	1.3	26
MFA Morsoy RT4729SCN	24.5	.	9-16	1.3	1.0	24
DEKALB DK44-51	24.4	.	9-15	1.0	1.0	19
Delta King 4680	24.0	20.7	9-17	1.0	1.0	23
Asgrow AG 4403	23.8	.	9-15	1.0	1.0	23
Asgrow AG 4602	23.7	20.5	9-15	1.0	1.0	22
Croplan Genetics 466RR	23.6	19.0	9-15	1.3	1.0	23
Delta King 4711	23.0	21.0	9-17	1.3	1.0	24
Deltapine DP 3478	22.6	20.0	9-15	1.0	1.3	23
NK Brand S46-W8	22.4	17.4	9-16	1.3	1.0	26
Asgrow AG 4702	21.8	20.0	9-15	1.0	1.0	23
Asgrow A4324	21.6	.	9-16	1.3	1.7	24
Terral TV4787RR	21.4	.	9-18	1.0	1.0	22
AgriPro AP 4888 RR	20.9	.	9-18	1.0	1.0	26
Dixie 478	20.5	17.2	9-18	1.0	1.0	30
HBK 4891	20.2	15.9	9-16	1.0	1.0	25
Terral TV4589RR	19.8	.	9-15	1.0	1.3	27
FC 470	18.6	.	9-15	1.7	1.3	24
Deltapine 4344RR	16.0	.	9-15	1.3	1.0	21
HBK R4855	15.9	14.9	9-16	1.0	1.3	23
Grand mean	23.9	.	9-16	1.2	1.1	25
LSD (5%)	5.4	.	2	0.6	0.5	.
C.V. (%)	14.1	.	1	32.9	26.3	.

Table 11. Performance of Irrigated Soybean Cultivars, McLelland Farm, Clark County, AR, 2000¹, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>						
DT97-4290	33.7	.	9-28	2.0	1.0	31
Deltapine DP 4909	33.1	29.9	9-27	1.7	1.3	28
Md 4900	32.5	28.3	9-27	1.0	1.0	20
Manokin	31.1	30.4	9-26	1.3	1.0	23
Pioneer Brand 9482	30.8	23.2	9-28	1.7	1.7	28
Terral TV4890 RR	30.3	23.2	9-27	1.3	1.3	30
Asgrow AG 4901	29.7	22.4	9-28	1.0	1.7	28
Delta Grow 4850RR	29.7	.	9-28	1.3	1.7	30
SG 498RR	29.5	26.9	9-26	1.0	1.0	23
Pioneer Brand 9492RR	28.2	.	9-26	1.0	1.7	25
Croplan Genetics 490	28.1	26.7	9-29	1.7	1.0	30
Terral TV4975	27.4	25.2	9-29	1.3	1.3	36
TN 93-87	27.4	.	9-26	1.7	1.0	26
Asgrow AG 4902	26.8	23.5	9-27	1.0	1.0	20
Hartz Variety H4994RR	26.4	24.8	9-27	1.0	1.0	24
Southern States SS495	26.4	24.6	9-29	1.3	1.0	27
Croplan Genetics 480RR	25.8	26.2	9-30	1.3	1.7	25
Croplan Genetics 4979RR	25.5	.	9-26	3.0	1.3	33
Southern States 4985STS	25.2	.	9-26	1.0	1.0	25
MFA Morsoy RT 4809	24.3	.	9-27	1.3	1.0	24
MFA Morsoy RT4889N	24.3	.	9-27	1.0	2.3	26
Delta King 4868RR	23.8	21.6	9-28	1.0	1.7	25
Terral TV4881	23.5	21.6	9-28	1.0	2.3	24
Hartz H4884RR	23.0	.	9-29	1.7	2.0	28
Terral TVX48R901	22.4	.	9-27	1.0	3.0	26
Delta King 4965 RR	21.5	20.5	9-28	1.3	1.0	28
HBK R4920	21.4	.	9-27	1.3	1.3	28
Terral TVX48R908	21.1	.	9-28	1.0	1.0	28
Terral TV4886RR	20.7	.	9-27	1.7	1.0	29
Asgrow A4922	20.0	17.8	9-26	1.3	1.3	24
Southern States RT4980	19.1	.	9-28	1.3	1.7	29
Dixie 4803	18.9	.	9-29	1.3	1.0	27
FC 490	17.7	.	9-27	1.0	1.3	27
Grand mean	25.7	.	9-27	1.3	1.4	27
LSD (5%)	7.8	.	2	0.7	0.9	.
C.V. (%)	18.4	.	2	30.6	39.8	.

Table 11. Performance of Irrigated Soybean Cultivars, McLelland Farm, Clark County, AR, 2000¹, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less)</u>						
Delta King 5580	39.4	37.3	9-30	1.7	1.0	20
Deltapine DP 5655	37.2	35.9	10-02	1.3	1.0	28
MFA Morsoy 5108N	35.4	.	9-29	1.0	1.0	23
Pioneer Brand 95B32RR	35.0	33.4	9-29	1.0	1.0	18
Delta King 5661RR	34.9	33.6	10-02	1.3	1.0	24
Delta King 5850	34.8	34.0	10-01	1.7	1.0	23
Delta King 5366RR	33.2	.	10-02	1.3	1.0	23
Terral TVX54R908	33.0	.	10-02	1.3	1.0	22
HBK R5588	32.6	30.5	10-01	1.0	1.0	22
Delsoy 5500	32.5	31.9	9-30	1.0	1.0	19
Terral TV5666RR	32.4	29.9	10-01	1.7	1.0	23
Progeny 5410RR	32.3	.	9-27	1.0	1.0	23
Progeny 5600	31.5	30.7	9-29	1.3	1.0	21
Progeny 5120N	31.4	27.7	9-30	1.0	1.0	24
Asgrow AG5501	31.4	.	9-29	1.0	1.0	22
Southern States RT557N	31.1	29.6	9-28	1.0	1.0	21
Delta King 5668RR	30.6	.	10-01	1.0	1.0	23
S96-2692	30.3	.	9-30	1.7	1.0	21
Terral TV5495	30.2	34.0	10-02	1.3	1.0	24
Anand	30.0	29.2	9-30	1.0	1.0	17
Delta Grow 5310RR	29.8	.	9-29	1.0	1.0	25
Southern States ExpRT5399	29.1	.	9-27	1.3	1.0	18
Terral TV5486RR	29.0	30.8	10-02	1.7	1.0	33
FC 530	28.5	.	9-30	1.0	1.0	20
Delta King 5267RR	27.6	.	9-30	1.0	1.3	21
Delta Grow 5630RR	27.6	.	10-02	1.3	1.0	22
Willcross RR2520N	27.5	.	10-01	1.0	1.0	19
Delta Grow 5250RR	27.4	.	9-29	1.0	1.0	18
Delta Grow 5450RR	27.4	.	9-28	1.0	1.0	22
Pioneer Brand 95B33	27.0	26.4	9-28	1.0	1.0	21
MFA Morsoy RT541SCN	26.9	25.7	9-28	1.3	1.0	30
R96-209	26.6	.	9-27	1.0	1.0	22
Deltapine DP 5354	26.4	28.8	9-27	1.0	1.0	22
Hutcheson	25.9	29.3	10-01	1.0	1.0	24
Accomac	25.9	28.2	10-01	1.0	1.0	21

Table 11. Performance of Irrigated Soybean Cultivars, McLelland Farm, Clark County, AR, 2000¹, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.6 or Less) Continued</u>						
Asgrow AG 5602	25.7	27.7	10-01	1.0	1.0	23
Hartz H5231RR	25.3	.	9-28	1.0	1.0	23
Delta King 5465RR	25.2	.	9-27	1.0	1.0	17
EK XP5100	25.1	.	9-27	1.3	3.0	27
Croplan Genetics Robin-5	24.8	31.0	10-02	1.0	1.0	21
Asgrow A5547	24.7	28.6	9-30	1.0	1.3	18
Deltapine DP 5644RR	24.7	29.4	10-02	1.3	1.0	25
Croplan Genetics 556RR	24.4	24.8	9-28	1.7	1.0	23
Asgrow AG 5001	24.4	19.4	9-29	1.3	1.3	24
Essex RSV4	24.4	20.9	9-28	1.3	1.7	19
Armor A52-C2	23.8	.	9-28	1.0	1.0	19
MFA Morsoy 5389N	20.6	.	9-27	1.0	1.0	20
Essex RSV1	19.9	20.1	9-27	1.7	1.3	17
Pioneer Brand 95B53RR	19.5	25.1	9-30	1.0	1.3	17
Essex	17.8	17.9	9-29	1.3	1.0	20
Grand mean	28.4	.	9-30	1.2	1.1	22
LSD (5%)	7.4	.	2	0.6	0.4	.
C.V. (%)	16.1	.	1	31.6	22.6	.
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9)</u>						
Asgrow A5944	42.3	37.8	10-09	1.3	1.0	23
Deltapine DP 5989	40.0	39.1	10-08	1.7	1.0	32
Terral TVX59R901	38.8	.	10-08	1.3	1.0	30
Terral TV 5866RR	38.7	.	10-07	1.7	1.0	21
Delta King 5995	38.1	36.3	10-07	1.0	1.0	25
Delta King 5762RR	36.2	36.1	10-08	1.7	1.0	22
Southern States RT5999N	36.2	.	10-07	1.3	1.0	22
Delta Grow 5950RR	35.1	34.6	10-07	1.7	1.0	27
NK Brand S59-60	34.9	37.9	10-07	1.0	1.0	21
Delta Grow 5940	34.8	.	10-09	1.3	1.0	28
Deltapine DP 5806RR	34.0	34.7	10-07	1.7	1.0	27
S94-1867	33.8	.	10-07	1.7	1.0	27
UARK-5798	33.7	36.8	10-09	1.0	1.0	24

Table 11. Performance of Irrigated Soybean Cultivars, McLelland Farm, Clark County, AR, 2000¹, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>						
Pioneer Brand 9594	33.0	36.1	10-08	1.3	1.0	19
HBK R5920	32.7	35.6	10-08	1.3	1.0	24
Asgrow AG 5802	32.6	33.1	10-08	1.3	1.0	23
Asgrow A5959	32.4	34.9	10-07	1.0	1.0	23
Southern States RT587N	32.3	31.9	10-08	1.3	1.0	25
HBK 5991	31.9	33.0	10-07	1.0	1.0	21
DEKALB CX580CRR	31.8	33.4	10-07	1.0	1.0	23
Southern States 597N	30.6	.	10-09	1.3	1.0	24
Delta Grow 5710	30.5	31.4	10-07	1.0	1.0	24
R95-2210	30.5	.	10-07	1.0	1.0	18
Progeny 5900RR	30.4	32.8	10-07	1.7	1.0	25
HBK 5990	30.3	32.9	10-09	1.0	1.0	21
Croplan Genetics 590RR	29.9	32.8	10-08	1.3	1.0	26
V91-3036	29.5	31.3	10-07	1.3	1.0	20
DT96-6840	29.2	.	10-08	1.0	1.0	24
Delta King 5961 RR	29.1	31.8	10-09	1.0	1.0	21
NK Brand S59-V6	28.8	32.6	10-07	1.0	1.0	18
Asgrow AG 5901	28.7	31.1	10-08	1.0	1.0	24
Asgrow AG5902	28.7	.	10-09	1.7	1.0	26
Croplan Genetics 5770RR	28.6	.	10-07	1.0	1.0	22
UARK-5896	28.5	33.5	10-08	1.0	1.0	22
Dyna Gro 3582	28.5	.	10-08	1.3	1.0	27
Dixie 5799	28.4	28.1	10-07	1.3	1.0	23
Willcross RR2580N	27.4	.	10-07	1.3	1.0	25
Terral TVX 5794RR	27.2	.	10-09	1.0	1.0	16
Excel	26.3	.	10-07	1.0	1.0	24
NK Brand S57-A4	26.1	.	10-07	1.0	1.0	20
Pioneer Brand 95B95RR	25.9	32.5	10-07	1.3	1.0	25
AST-82	25.4	.	10-07	1.3	1.0	20
Caviness	25.3	27.3	10-07	1.0	1.0	21
Terral TV 5926	25.3	33.1	10-08	1.3	1.0	22
Bolivar	24.9	31.2	10-07	1.3	1.0	26
TN 93-99	24.8	.	10-07	1.3	1.0	18
Asgrow AG 5701	24.1	28.7	10-06	1.0	1.0	24
Hartz Variety H5999RR	23.9	28.1	10-08	1.0	1.0	20

Table 11. Performance of Irrigated Soybean Cultivars, McLelland Farm, Clark County, AR, 2000¹, Continued.

Brand/Cultivar	2000 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.7 to 5.9) Continued</u>						
Deltapine DP5915RR	23.0	.	10-08	1.0	1.0	21
Hartz H5885RR	20.7	.	10-07	1.3	1.0	21
S96-2641	17.2	.	10-08	1.0	1.0	26
TN 94-213	16.9	.	10-07	1.0	1.0	18
Grand mean	30.0	.	10-08	1.2	1.0	23
LSD (5%)	9.6	.	1	0.7	.	.
C.V. (%)	19.8	.	1	34.9	.	.
<u>Maturity Group VI</u>						
HBK 6600	28.1	28.2	10-08	1.0	1.3	23
Pioneer Brand 96B21RR	28.1	28.3	10-05	1.0	1.0	21
Asgrow AG 6201	26.5	.	10-07	1.0	1.0	21
Dillon	26.3	27.5	10-07	1.3	1.0	23
TN 93-142-17	25.5	.	10-05	1.0	1.0	21
Asgrow AG 6101	25.0	26.4	10-06	1.0	1.0	22
HBK R6020	24.0	25.3	10-07	1.0	1.0	21
Southern States RT6299N	23.6	.	10-07	1.0	1.0	20
Croplan Genetics 6299RR	22.7	.	10-05	1.3	1.0	21
NK Brand S62-62	22.3	23.0	10-05	1.0	1.0	19
R92-1258	20.6	24.9	10-06	1.3	1.0	21
Grand mean	24.8	.	10-06	1.1	1.0	21
LSD (5%)	8.8	.	2	.	.	3
C.V. (%)	21.0	.	1	.	.	9

¹ The tests in Clark County were not irrigated based on 2 inch soil moisture deficit. Irrigation dates were: 7-27, 8-11, 8-18, 9-01

Soil Series..... Marietta fine sandy loam
 Previous Crop..... Soybean
 Row Width..... 32 inches
 Fertilizer Applied..... None
 Planting Date..... 5-16-00
 Herbicide Application 1.5 pts./A Dual + 2 oz./A Scepter + 1.5 pts./A Roundup, 5-17-00
 1 pt./A Blazer, 6-09-00, 1 pt./A Blazer + 1.5 pts./A Basagran, 7-03-00
 Irrigation Dates..... 7-27, 8-11, 8-18, 9-01
 Harvest Dates..... MG 4 Early maturing cultivars: 9-18-00
 MG 4 Late maturing cultivars: 10-02-00
 MG 5 Early maturing cultivars: 10-02-00
 MG 5 Late maturing cultivars: 10-09-00
 MG 6: 10-09-00

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
-----% injury-----		
<u>Early Planted Cultivars</u>		
EKXP 4800	31	12
EKXP 4858 RR	32	23
EKXP 4901RR	25	8
FFR 495	33	18
FFR 514	30	17
FFR RT 517	40	22
Pioneer Brand 94B01RR	32	15
Pioneer Brand 94B53	31	5
Southern States SSExpRT46704	57	38
Southern States FFR 439	23	7
Terral TV 4479	33	17
Terral TVX 47C902	28	7
Terral TVX 49R901	28	17
Williams 82	29	13
Grand Mean	32	16
<u>Maturity Group IV Cultivars</u>		
AgriPro AP 4882	22	7
AgriPro AP 4888 RR	25	7
Asgrow A4324	24	7
Asgrow A4922	18	8
Asgrow AG 4403	15	5
Asgrow AG 4601	20	7
Asgrow AG 4602	28	8
Asgrow AG 4702	22	7
Asgrow AG 4901	23	5
Asgrow AG 4902	15	5
Croplan Genetics 466RR	23	17
Croplan Genetics 477RR	24	7
Croplan Genetics 480RR	17	3
Croplan Genetics 490	16	0
Croplan Genetics 4979RR	21	7
DEKALB CX 444 CRR	21	3
DEKALB DK44-51	18	2
Delta Grow 4740	27	15

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000. Continued.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
	-----% injury-----	
<u>Maturity Group IV Cultivars Continued</u>		
Delta Grow 4850 RR	18	3
Delta King 4680	16	7
Delta King 4711	18	0
Delta King 4762 RR	21	7
Delta King 4868 RR	21	7
Delta King 4965 RR	18	3
Deltapine 4344 RR	24	7
Deltapine 4748S	31	13
Deltapine DP 3478	17	2
Deltapine DP 4690RR	21	3
Deltapine DP 4909	20	8
Dixie 478	27	15
Dixie 4803	17	2
DPX 4910S	22	3
DT97-4290	22	5
Dyna-Gro 3484NRR	17	7
Dyna-Gro 3468NRR	17	0
ES 4902RR	30	10
FC 470	18	3
FC 490	19	2
Garst D472 RR/N	15	2
Garst D484 RR/N	20	8
Hartz Variety H4884 RR	18	2
Hartz Variety H4994 RR	23	7
HBK 4891	21	2
HBK R4660	21	12
HBK R4855	18	2
HBK R4920	17	3
Manokin	13	7
Md 4900	28	8
MFA Morsoy 4580	23	8
MFA Morsoy 4850	21	7
MFA Morsoy RT 4809	22	13
MFA Morsoy RT 4729 SCN	21	5
MFA Morsoy RT 4889N	25	8
MPV 457NRR	22	7

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000. Continued.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
	-----% injury-----	
<u>Maturity Group IV Cultivars Continued</u>		
NK Brand S46-W8	18	2
Pioneer Brand 9482	18	5
Pioneer Brand 9492RR	18	2
Progeny 4910	24	7
SG 498 RR	14	3
Southern States 4985 STS	34	10
Southern States Exp 4899	24	7
Southern States RT 4980	15	2
Southern States SS495	18	7
Terral TV 4589 RR	19	2
Terral TV 4787 RR	16	0
Terral TV 4881	22	8
Terral TV 4886 RR	19	7
Terral TV 4890 RR	17	0
Terral TV 4975	21	5
Terral TVX 48R901	23	8
Terral TVX 48R908	33	13
TN 93-87	30	17
Grand Mean	21	6
<u>Maturity Group V Cultivars</u>		
Accomac	17	2
Anand	30	8
Armor A52-C2	45	32
Asgrow A5547	36	8
Asgrow A5944	43	18
Asgrow A5959	28	10
Asgrow AG 5001	23	5
Asgrow AG 5501	29	8
Asgrow AG 5602	17	0
Asgrow AG 5701	26	5
Asgrow AG 5802	19	5
Asgrow AG 5901	18	0

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000. Continued.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
	-----% injury-----	
<u>Maturity Group V Cultivars Continued</u>		
Asgrow AG 5902	25	7
AST-82	24	2
Bolivar	24	10
Caviness	33	5
Croplan Genetics 556 RR	45	28
Croplan Genetics 5770 RR	28	12
Croplan Genetics 590 RR	24	10
Croplan Genetics Robin-5	37	0
DEKALB CX580 CRR	18	2
Delsoy 5500	35	13
Delta Grow 5250RR	38	12
Delta Grow 5310 RR	45	10
Delta Grow 5450RR	19	0
Delta Grow 5630 RR	20	0
Delta Grow 5710	33	8
Delta Grow 5940	26	2
Delta Grow 5950 RR	19	0
Delta King 5267RR	27	15
Delta King 5366RR	23	2
Delta King 5465RR	18	5
Delta King 5580	26	10
Delta King 5661 RR	23	3
Delta King 5668RR	36	10
Delta King 5762 RR	19	2
Delta King 5850	29	5
Delta King 5961 RR	22	2
Delta King 5995	22	3
Deltapine DP 5354	18	0
Deltapine DP 5644 RR	16	2
Deltapine DP 5655	22	7
Deltapine DP 5806 RR	30	5
Deltapine DP 5989	19	0
Deltapine DP 5915 RR	21	12
Dixie 5799	27	8
DPX 5514 RR	23	0
DPX 5877	19	2

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000. Continued.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
	-----% injury-----	
<u>Maturity Group V Continued</u>		
DT96-6840	35	12
Dyna-Gro 3521 NRR	29	13
Dyna-Gro 3535 NRR	18	3
Dyna-Gro 3562 NRR	37	3
Dyna-Gro 3582	20	5
EKXP 5050 RR	16	0
EKXP 5100	20	3
EKXP 5585	18	5
EKXP 5660 RR	19	0
ES 4900 RR	22	3
ES 5000 RR	25	3
ES 5700 RR	24	0
ES 5903 RR	25	10
Essex	19	8
Essex RSV1	14	0
Essex RSV4	22	3
Excel	20	8
FC 530	29	3
Garst 529 RR	22	8
Hartz Variety H5231 RR	20	2
Hartz Variety H5885 RR	22	7
Hartz Variety H5999 RR	37	10
HBK 5990	20	2
HBK 5991	19	0
HBK R5588	37	12
HBK R5920	25	10
HBK X555-00	21	2
HBK X570-00	19	2
HBK X590-00	21	7
HBK XR535-00	20	0
HBK XR575-99	25	3
Hutcheson	40	13
MFA Morsoy 5080	22	3
MFA Morsoy 5108N	19	2
MFA Morsoy 5389N	23	0
MFA Morsoy RT 5050	19	0

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000. Continued.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
	-----% injury-----	
<u>Maturity Group V Continued</u>		
MFA Morsoy RT 5110N	27	7
MFA Morsoy RT 5220N	22	2
MFA Morsoy RT 541SCN	40	13
MFA Morsoy RT 5440N	24	7
MFA Morsoy RT 5900N	20	2
MFA Morsoy RT 5990N	25	7
MPV 519 NRR	45	25
NK Brand S57-A4	23	17
NK Brand S59-60	27	10
NK Brand S59-V6	23	5
NK X053R	23	8
NK X056	24	3
NK X057R	23	7
Pioneer Brand 9594	20	0
Pioneer Brand 95B32 RR	27	8
Pioneer Brand 95B33	29	8
Pioneer Brand 95B53 RR	20	5
Pioneer Brand 95B95 RR	23	0
Progeny 5120N	22	7
Progeny 5410 RR	48	23
Progeny 5600	20	5
Progeny 5900 RR	21	7
R95-2210	19	5
R96-209	48	20
S94-1867	22	0
S96-2641	30	8
S96-2692	24	2
Southern States 597N	28	8
Southern States Exp 5409N	23	3
Southern States Exp 5709	18	3
Southern States Exp RT5399	43	23
Southern States Exp RT5609	26	13
Southern States RT 557N	36	15
Southern States RT 587N	32	12
Southern States RT 5999N	22	0

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000. Continued.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
	-----% injury-----	
<u>Maturity Group V Continued</u>		
Terral TV 5866RR	28	2
Terral TV 5926	22	2
Terral TV 5486 RR	47	22
Terral TV 5495	26	7
Terral TV 5666 RR	35	13
Terral TVX 5794 RR	45	23
Terral TVX 50R901	20	3
Terral TVX 52R901	52	30
Terral TVX 54R908	35	8
Terral TVX 59R901	20	3
TN 93-99	35	15
TN 94-213	22	3
UARK-5798	35	20
UARK-5896	23	5
V91-3036	27	7
Willcross RR 2520N	38	22
Willcross RR 2580N	30	15
Grand Mean	26	7
<u>Maturity Group VI Cultivars</u>		
Asgrow AG 6101	23	2
Asgrow AG 6201	25	8
Croplan Genetics 6299 RR	21	13
Dillon	32	13
HBK 6600	20	2
HBK R6020	30	13
HBK X630-00	23	3
HBK X631-00	20	5
NK Brand S62-62	25	5
Pioneer Brand 96B21 RR	27	5
R92-1258	26	3
Southern States RT 6299N	35	20

Table 12. Tolerance of Soybean Cultivars to Propanil Drift, 2000. Continued.

Brand/Cultivar	<u>Propanil</u> ¹ 7DAA ²	<u>Propanil</u> ¹ 21DAA ²
-----% injury-----		
<u>Maturity Group VI Continued</u>		
Terral TVX 62R901	37	12
TN 93-142-17	24	5
Grand Mean	26	8

¹ Propanil was applied at 0.25X rate when plants were in the V4 to V5 growth stage to simulate drift from rice fields.

² Days after Propanil application. Ratings by Ms. Marilyn McClelland.

Table 13. Results of Greenhouse Tests for Soil Chloride Reaction, 2000¹.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Early Planted Cultivars</u>		
EKXP 4800	5	0
EKXP 4858 RR	5	0
EKXP 4901RR	5	0
FFR 495	5	0
FFR 514	0	5
FFR RT 517	0	5
Pioneer Brand 94B01RR	0	5
Pioneer Brand 94B53	0	5
Southern States SSExpRT46704	5	0
Southern States FFR 439	5	0
Terral TV 4479	0	5
Terral TVX 47C902	5	0
Terral TVX 49R901	5	0
Williams 82	5	0
<u>Maturity Group IV Cultivars</u>		
AgriPro AP 4882	5	0
AgriPro AP 4888 RR	5	0
Asgrow A4324	5	0
Asgrow A4922	0	5
Asgrow AG 4403	5	0
Asgrow AG 4601	0	5
Asgrow AG 4602	2	3
Asgrow AG 4702	2	3
Asgrow AG 4901	1	4
Asgrow AG 4902	0	5
Croplan Genetics 466RR	1	4
Croplan Genetics 477RR	0	5
Croplan Genetics 480RR	5	0
Croplan Genetics 490	5	0
Croplan Genetics 4979RR	2	3
DEKALB CX 444 CRR	5	0
DEKALB DK44-51	5	0
Delta Grow 4740	5	0

Table 13. Results of Greenhouse Tests for Soil Chloride Reaction, 2000¹.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group IV Cultivars Continued</u>		
Delta Grow 4850 RR	5	0
Delta King 4680	4	1
Delta King 4711	5	0
Delta King 4762 RR	0	5
Delta King 4868 RR	5	0
Delta King 4965 RR	1	4
Deltapine 4344 RR	0	5
Deltapine 4748S	5	0
Deltapine DP 3478	5	0
Deltapine DP 4690RR	5	0
Deltapine DP 4909	5	0
Dixie 478	5	0
Dixie 4803	5	0
DPX 4910S	5	0
DT97-4290	5	0
Dyna-Gro 3484NRR	4	1
Dyna-Gro 3468NRR	5	0
ES 4902RR	2	3
FC 470	5	0
FC 490	5	0
Garst D472 RR/N	1	4
Garst D484 RR/N	5	0
Hartz Variety H4884 RR	4	1
Hartz Variety H4994 RR	5	0
HBK 4891	4	1
HBK R4660	0	5
HBK R4855	5	0
HBK R4920	5	0
Manokin	0	5
Md 4900	5	0
MFA Morsoy 4580	5	0
MFA Morsoy 4850	5	0
MFA Morsoy RT 4809	5	0
MFA Morsoy RT 4729 SCN	5	0
MFA Morsoy RT 4889N	5	0
MPV 457NRR	1	4

Table 13. Results of Greenhouse Tests for Soil Chloride Reaction, 2000¹. Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group IV Cultivars Continued</u>		
NK Brand S46-W8	0	5
Pioneer Brand 9482	5	0
Pioneer Brand 9492RR	0	5
Progeny 4910	5	0
SG 498 RR	1	4
Southern States 4985 STS	1	4
Southern States Exp 4899	5	0
Southern States RT 4980	5	0
Southern States SS495	5	0
Terral TV 4589 RR	0	5
Terral TV 4787 RR	5	0
Terral TV 4881	5	0
Terral TV 4886 RR	0	5
Terral TV 4890 RR	0	5
Terral TV 4975	5	0
Terral TVX 48R901	5	0
Terral TVX 48R908	1	4
TN 93-87	5	0
<u>Maturity Group V Cultivars</u>		
Accomac	1	4
Anand	1	4
Armor A52-C2	5	0
Asgrow A5547	4	1
Asgrow A5944	3	2
Asgrow A5959	0	5
Asgrow AG 5001	5	0
Asgrow AG 5501	2	3
Asgrow AG 5602	5	0
Asgrow AG 5701	1	4
Asgrow AG 5802	0	5
Asgrow AG 5901	0	5
Asgrow AG 5902	1	3
AST-82	0	5

Table 13. Results of Greenhouse Tests for Soil Chloride Reaction, 2000¹. Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Cultivars Continued</u>		
Bolivar	2	3
Caviness	1	4
Croplan Genetics 556 RR	5	0
Croplan Genetics 5770 RR	0	5
Croplan Genetics 590 RR	2	3
Croplan Genetics Robin-5	5	0
DEKALB CX580 CRR	0	5
Delsoy 5500	5	0
Delta Grow 5250RR	2	3
Delta Grow 5310 RR	5	0
Delta Grow 5450RR	5	0
Delta Grow 5630 RR	5	0
Delta Grow 5710	0	5
Delta Grow 5940	5	0
Delta Grow 5950 RR	2	3
Delta King 5267RR	5	0
Delta King 5366RR	1	4
Delta King 5465RR	5	0
Delta King 5580	1	4
Delta King 5661 RR	2	3
Delta King 5668RR	1	4
Delta King 5762 RR	2	3
Delta King 5850	1	4
Delta King 5961 RR	5	0
Delta King 5995	0	5
Deltapine DP 5354	5	0
Deltapine DP 5644 RR	4	1
Deltapine DP 5655	5	0
Deltapine DP 5806 RR	1	4
Deltapine DP 5989	0	5
Deltapine DP 5915 RR	1	4
Dixie 5799	1	4
DPX 5514 RR	2	3
DPX 5877	0	5
DT96-6840	5	0
Dyna-Gro 3521 NRR	1	4

Table 13. Results of Greenhouse Tests for Soil Chloride Reaction, 2000¹. Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Continued</u>		
Dyna-Gro 3535 NRR	0	5
Dyna-Gro 3562 NRR	2	3
Dyna-Gro 3582	5	0
EKXP 5050 RR	5	0
EKXP 5100	5	0
EKXP 5585	2	3
EKXP 5660 RR	2	3
ES 4900 RR	1	4
ES 5000 RR	2	3
ES 5700 RR	0	5
ES 5903 RR	0	5
Essex	5	0
Essex RSV1	5	0
Essex RSV4	5	0
Excel	5	0
FC 530	5	0
Garst 529 RR	0	5
Hartz Variety H5231 RR	5	0
Hartz Variety H5885 RR	1	4
Hartz Variety H5999 RR	5	0
HBK 5990	3	2
HBK 5991	5	0
HBK R5588	5	0
HBK R5920	4	1
HBK X555-00	0	5
HBK X570-00	1	4
HBK X590-00	5	0
HBK XR535-00	1	4
HBK XR575-99	5	0
Hutcheson	5	0
MFA Morsoy 5080	5	0
MFA Morsoy 5108N	0	5
MFA Morsoy 5389N	3	2
MFA Morsoy RT 5050	5	0

Table 13. Results of Greenhouse Tests for Soil Chloride Reaction, 2000¹. Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Continued</u>		
MFA Morsoy RT 5110N	0	5
MFA Morsoy RT 5220N	5	0
MFA Morsoy RT 541SCN	5	0
MFA Morsoy RT 5440N	5	0
MFA Morsoy RT 5900N	4	1
MFA Morsoy RT 5990N	5	0
MPV 519 NRR	1	4
NK Brand S57-A4	0	5
NK Brand S59-60	0	5
NK Brand S59-V6	0	5
NK X053R	1	4
NK X056	0	5
NK X057R	0	5
Pioneer Brand 9594	0	5
Pioneer Brand 95B32 RR	2	3
Pioneer Brand 95B33	0	5
Pioneer Brand 95B53 RR	1	4
Pioneer Brand 95B95 RR	0	5
Progeny 5120N	3	2
Progeny 5410 RR	5	0
Progeny 5600	1	4
Progeny 5900 RR	2	3
R95-2210	5	0
R96-209	3	2
S94-1867	2	3
S96-2641	5	0
S96-2692	3	2
Southern States 597N	5	0
Southern States Exp 5409N	2	3
Southern States Exp 5709	5	0
Southern States Exp RT5399	5	0
Southern States Exp RT5609	5	0
Southern States RT 557N	5	0
Southern States RT 587N	5	0
Southern States RT 5999N	3	2

Table 13. Results of Greenhouse Tests for Soil Chloride Reaction, 2000¹. Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Continued</u>		
Terral TV 5866RR	5	0
Terral TV 5926	5	0
Terral TV 5486 RR	5	0
Terral TV 5495	0	5
Terral TV 5666 RR	5	0
Terral TVX 5794 RR	3	2
Terral TVX 50R901	5	0
Terral TVX 52R901	0	5
Terral TVX 54R908	5	0
Terral TVX 59R901	4	1
TN 93-99	5	0
TN 94-213	1	4
UARK-5798	5	0
UARK-5896	5	0
V91-3036	5	0
Willcross RR 2520N	1	4
Willcross RR 2580N	0	5
<u>Maturity Group VI Cultivars</u>		
Asgrow AG 6101	5	0
Asgrow AG 6201	2	3
Croplan Genetics 6299 RR	5	0
Dillon	0	5
HBK 6600	5	0
HBK R6020	3	2
HBK X630-00	5	0
HBK X631-00	5	0
NK Brand S62-62	5	0
Pioneer Brand 96B21 RR	3	2
R92-1258	5	0
Southern States RT 6299N	5	0
Terral TVX 62R901	3	2
TN 93-142-17	5	0

¹Tests conducted by Dr. J.D. Widick.

Participants and Entries
2000 Early Planted Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Delta and Pine Land Co. 1301 E. 50 th St. Lubbock, TX 79404	Deltapine DP 4344 RR (4.3) Deltapine DP 3478 (4.7) Deltapine DP 4690 RR (4.7) Deltapine DP 4748S (4.7) Deltapine DP 4909 (4.9) SG 498 RR (4.9)
Delta King Seed Co. P. O. Box 970 McCrary, AR 72101	Delta King 4680 (4.7) Delta King 4711 (4.7) Delta King 4762 RR (4.7) Delta King 4868 RR (4.8) Delta King 4965 RR (4.9) Delta King 5267 RR (5.2) Delta King 5366 RR (5.3)
Hornbeck Seed Co. P. O. Box 472 DeWitt, AR 72042	HBK R4660 (4.6) HBK 4891 (4.7) HBK R4855 (4.7) HBK R4920 (4.9)
Land O'Lakes/Croplan Genetics 6555 Quince Rd. Suite 202 Memphis, TN 38119	Croplan Genetics 466RR (4.6) Croplan Genetics 477RR (4.7) Croplan Genetics 480RR (4.8) Croplan Genetics 490 (4.9) Croplan Genetics 4979RR (4.9)
MidWest Premium Genetics, L.L.C. P. O. Box 688 Concordia, MO 64020	MPV 457NRR (4.5) MPV 519NRR (5.1)
Monsanto 3100 Sycamore Rd. DeKalb, IL 60115	Asgrow AG 4403 (4.4) Asgrow AG 4602 (4.6) Asgrow AG 4702 (4.7) Asgrow A4922 (4.9) Asgrow AG 4901 (4.9) Asgrow AG 4902 (4.9) Asgrow AG 5001 (5.0) DEKALB DKB 44-51 (4.4) DEKALB CX 444 CRR (4.4) Hartz H4884RR (4.8) Hartz H4994RR (4.9)

Participants and Entries (continued)
2000 Early Planted Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Pioneer Hi-Bred International 6767 Old Madison Pike, Suite 110 Huntsville, AL 35806	Pioneer Brand 94B01 RR (4.0) Pioneer Brand 94B53 (4.5) Pioneer Brand 9492 RR (4.9)
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	EK XP 4800 (4.8) EK XP 4858 RR (4.8) EK XP 4901 RR (4.9) Progeny 4910 (4.9)
Southern States Coop. P. O. Box 26234 Richmond, VA 23260	Southern States 439 (4.3) Southern States 495 (4.9) Southern States RT 4980 (4.9) Southern States 4985 STS (4.9) Southern States ExpRT 46704 (5.0) Southern States 514N (5.1) Southern States RT 517N (5.1) Southern States ExpRT 5399 (5.3)
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	Terral TV4479 (4.4) Terral TV4589 RR (4.5) Terral TVX47C902 (4.7) Terral TV4886 RR (4.8) Terral TV4890 RR (4.8) Terral TVX48R908 (4.8) Terral TVX49R901 (4.9)
Illinois Foundation Seed Box 722 Champaign, IL 61824-0722	Williams 82 (3.9)
University of Maryland N.R.S.L. Room 1112 H. J. Patterson Hall College Park, MD 20742-5821	Manokin (4.9)

Participants and Entries
2000 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Advanced Seed Test P. O. Box 219 England, AR 72046	AST-82 (5.8)
Ag Genetics of Arkansas 2817 Rife Circle Rogers, AR 72758	Caviness (5.7)
Bell-MO Seed P. O. Box 148 Bell City, MO 63735	Willcross RR 2520N (5.2) Willcross RR 2580N (5.8)
Cache River Valley Seed P. O. Box 10 Cash, AR 72421	Dixie 478 (4.7) Dixie 4803 (4.8) Dixie 5799 (5.7)
Clemson University Dept. of Crop and Soil Environmental Science Clemson, SC 29634-0359	Dillon (6.4)
Cullum Seeds P. O. Box 178 Fisher, AR 72429	Armor X1074 RR (4.7) Armor X1094 RR (4.9) Armor X1025 (5.2) Armor X1035 (5.3)
Delta Grow Seed P. O. Box 219 England, AR 72046	Delta Grow 4740 (4.7) Delta Grow 4850 RR (4.8) Delta Grow 5250 RR (5.2) Delta Grow 5310 RR (5.3) Delta Grow 5450 RR (5.4) Delta Grow 5630 RR (5.6) Delta Grow 5710 (5.7) Delta Grow 5940 (5.9) Delta Grow 5950 RR (5.9) Excel (5.8)

Participants and Entries (continued)
2000 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Delta King Seed Co. P. O. Box 970 McCrary, AR 72101	Delta King 4680 (4.7)
	Delta King 4711 (4.7)
	Delta King 4762 RR (4.7)
	Delta King 4868 RR (4.8)
	Delta King 4965 RR (4.9)
	Delta King 5267 RR (5.2)
	Delta King 5366 RR (5.3)
	Delta King 5465 RR (5.4)
	Delta King 5580 (5.5)
	Delta King 5850 (5.5)
	Delta King 5661 RR (5.6)
	Delta King 5668 RR (5.6)
	Delta King 5762 RR (5.7)
	Delta King 5995 (5.9)
Delta King 5961 RR (5.9)	
Delta and Pine Land Co. 1301 E. 50 th St. Lubbock, TX 79404	Deltapine DP 4344 RR (4.3)
	Deltapine DP 3478 (4.7)
	Deltapine DP 4690 RR (4.7)
	Deltapine DP 4748S (4.7)
	Deltapine DP 4909 (4.9)
	Deltapine DP 5354 (5.3)
	Deltapine DP 5644 RR (5.6)
	Deltapine DP 5655 (5.6)
	Deltapine DP 5806 RR (5.8)
	Deltapine DP 5915 RR (5.9)
	Deltapine DP 5989 (5.9)
SG 498 RR (4.9)	
Delta and Pine Land Co. P. O. Box 1529 Hartsville, SC 29550	DPX 4910 S (4.9)*
	DPX 5514 RR (5.5)*
	DPX 5877 (5.8)*
Eagle Seed Co. P. O. Box 308 Weiner, AR 72479	ES 4902 RR (4.9)*
	ES 4900 RR (5.0)*
	ES 5000 RR (5.5)*
	ES 5700 RR (5.7)*
	ES 5903 RR (5.9)*

Participants and Entries (continued)
2000 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Garst Seed Co. 761 Walnut Knoll Lane Suite 200 Memphis, TN 38018	AgriPro AP 4882 (4.7)
	AgriPro AP 4888 RR (4.7)
	Garst D472 RR/N (4.6)
	Garst D484RR/N (4.8)*
	Garst 529 RR (5.3)*
Hornbeck Seed Co., Inc. P. O. Box 472 DeWitt, AR 72042	HBK R4660 (4.6)
	HBK 4891 (4.7)
	HBK R4855 (4.7)
	HBK R4920 (4.9)
	HBK R5588 (5.5)
	HBK 5990 (5.9)
	HBK 5991 (5.9)
	HBK R5920 (5.9)
	HBK R6020 (6.0)
	HBK 6600 (6.6)
	HBK XR535-00 (5.3)*
	HBK X555-00 (5.5)*
	HBK X570-00 (5.7)*
	HBK X590-00 (5.9)*
	HBK XR575-99 (5.9)*
HBK X630-00 (6.3)*	
HBK X631-00 (6.3)*	
Land O'Lakes/Croplan Genetics 6555 Quince Rd. Suite 202 Memphis, TN 38119	Croplan Genetics 466 RR (4.6)
	Croplan Genetics 477 RR (4.7)
	Croplan Genetics 480 RR (4.8)
	Croplan Genetics 490 (4.9)
	Croplan Genetics 4979 RR (4.9)
	Croplan Genetics 556 RR (5.5)
	Croplan Genetics Robin-5 (5.6)
	Croplan Genetics 5770 RR (5.7)
	Croplan Genetics 590 RR (5.9)
	Croplan Genetics 6299 RR (6.2)

Participants and Entries (continued)
2000 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
MFA Incorporated 201 Ray Young Dr. Columbia, MO 65201	MFA Morsoy RT 4729 SCN (4.7) MFA Morsoy RT 4809 (4.8) MFA Morsoy RT 4889N (4.8) MFA Morsoy 5108N (5.1) MFA Morsoy 5389N (5.3) MFA Morsoy RT 541 SCN (5.4) MFA Morsoy 4580 (4.5)* MFA Morsoy 4850 (4.8)* MFA Morsoy 5080 (5.0)* MFA Morsoy RT 5050 (5.0)* MFA Morsoy RT 5110N (5.1)* MFA Morsoy RT 5220N (5.2)* MFA Morsoy RT 5440N (5.4)* MFA Morsoy RT 5900N (5.9)* MFA Morsoy RT 5990N (5.9)*
MidWest Premium Genetics, L.L.C. 101 N.E. Davis Rd. Concordia, MO 64020	MPV 457 NRR (4.5)* MPV 519 NRR (5.1)*
Missouri Seed Improvement Assn. 3211 Lemone Industrial Blvd. Columbia, MO 65201-8245	Delsoy 5500 (5.5)
Monsanto 3100 Sycamore Rd. DeKalb, IL 60115	Asgrow A4324 (4.3) Asgrow AG 4403 (4.4) Asgrow AG 4601 (4.6) Asgrow AG 4602 (4.6) Asgrow AG 4702 (4.7) Asgrow A4922 (4.9) Asgrow AG 4901 (4.9) Asgrow AG 4902 (4.9) Asgrow AG 5001 (5.0) Asgrow A5547 (5.5) Asgrow AG 5501 (5.5) Asgrow AG 5602 (5.6) Asgrow AG 5701 (5.7) Asgrow AG 5802 (5.8) Asgrow A5944 (5.9) Asgrow A5959 (5.9)

Participants and Entries (continued)
2000 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Monsanto 3100 Sycamore Rd. DeKalb, IL 60115	Asgrow AG 5901 (5.9)
	Asgrow AG 5902 (5.9)
	Asgrow AG 6101 (6.1)
	Asgrow AG 6201 (6.2)
	DEKALB DKB 44-51 (4.4)
	DEKALB CX 444 cRR (4.4)
	DEKALB CX 580 cRR (5.8)
	Hartz H4884 RR (4.8)
	Hartz H4994 RR (4.9)
	Hartz H5231 RR (5.3)
	Hartz H5885 RR (5.8)
	Hartz H5999 RR (5.9)
	Novartis Seeds, Inc. P. O. Box 729 Bay, AR 72411	NK X053R (5.3)*
NK X056 (5.6)*	
NK X057R (5.7)*	
Novartis Seeds, Inc. 859 N. Slemons St. Monticello, AR 71655	NK Brand S46-W8 (4.6)
	NK Brand S57-A4 (5.7)
	NK Brand S59-60 (5.9)
	NK Brand S59-V6 (5.9)
	NK Brand S62-62 (6.2)
Pioneer Hi-Bred International 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer Brand 9482 (4.8)
	Pioneer Brand 9492 RR (4.9)
	Pioneer Brand 95B32 RR (5.3)
	Pioneer Brand 95B33 (5.3)
	Pioneer Brand 95B53 RR (5.5)
	Pioneer Brand 9594 (5.9)
	Pioneer Brand 95B95 RR (5.9)
	Pioneer Brand 96B21 RR (6.2)
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 4910 (4.7)
	EK XP 5100 (5.0)
	Progeny 5120N (5.1)
	Progeny 5410 RR (5.5)
	Progeny 5600 (5.6)
	Progeny 5900 RR (5.9)
	EK XP 5050 RR (5.0)*
	EK XP 5585 (5.5)*
EK XP 5660 RR (5.6)*	

Participants and Entries (continued)
2000 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Southern States Coop. P. O. Box 26234 Richmond, VA 23260	Southern States 495 (4.9)
	Southern States 4985 STS (4.9)
	Southern States RT 4980 (4.9)
	Southern States ExpRT 5399 (5.3)
	Southern States RT 557N (5.5)
	Southern States RT 587N (5.8)
	Southern States 597N (5.9)
	Southern States RT 5999N (5.9)
	Southern States RT 6299N (6.3)
	Southern States Exp 4899 (4.8)*
	Southern States Exp 5409N (5.4)*
	Southern States ExpRT 5609 (5.6)*
	Southern States Exp 5709 (5.7)*
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	Terral TV4589 RR (4.5)
	Terral TV4787 RR (4.7)
	Terral TV4881 (4.8)
	Terral TV4886 RR (4.8)
	Terral TV4890 RR (4.8)
	Terral TVX48R901 (4.8)
	Terral TVX48R908 (4.8)
	Terral TV4975 (4.9)
	Terral TV5495 (5.4)
	Terral TV5486RR (5.4)
	Terral TVX54R908 (5.4)
	Terral TV5666 RR (5.6)
	Terral TVX5794 RR (5.7)
	Terral TV5866 RR (5.8)
	Terral TV5926 (5.9)
	Terral TVX59R901 (5.9)
	Terral TVX50R901 (5.0)*
Terral TVX52R901 (5.2)*	
Terral TVX62R901 (6.2)*	
UAP Mid-South 57 Germantown Court Suite 200 Cordova, TN 38018	Dyna-Gro 3468N RR (4.6)
	Dyna-Gro 3582N RR (5.9)
	Dyna-Gro 3484N RR (4.8)*
	Dyna-Gro 3521N RR (5.1)*
	Dyna-Gro 3535N RR (5.3)*
	Dyna-Gro 3562N RR (5.6)*

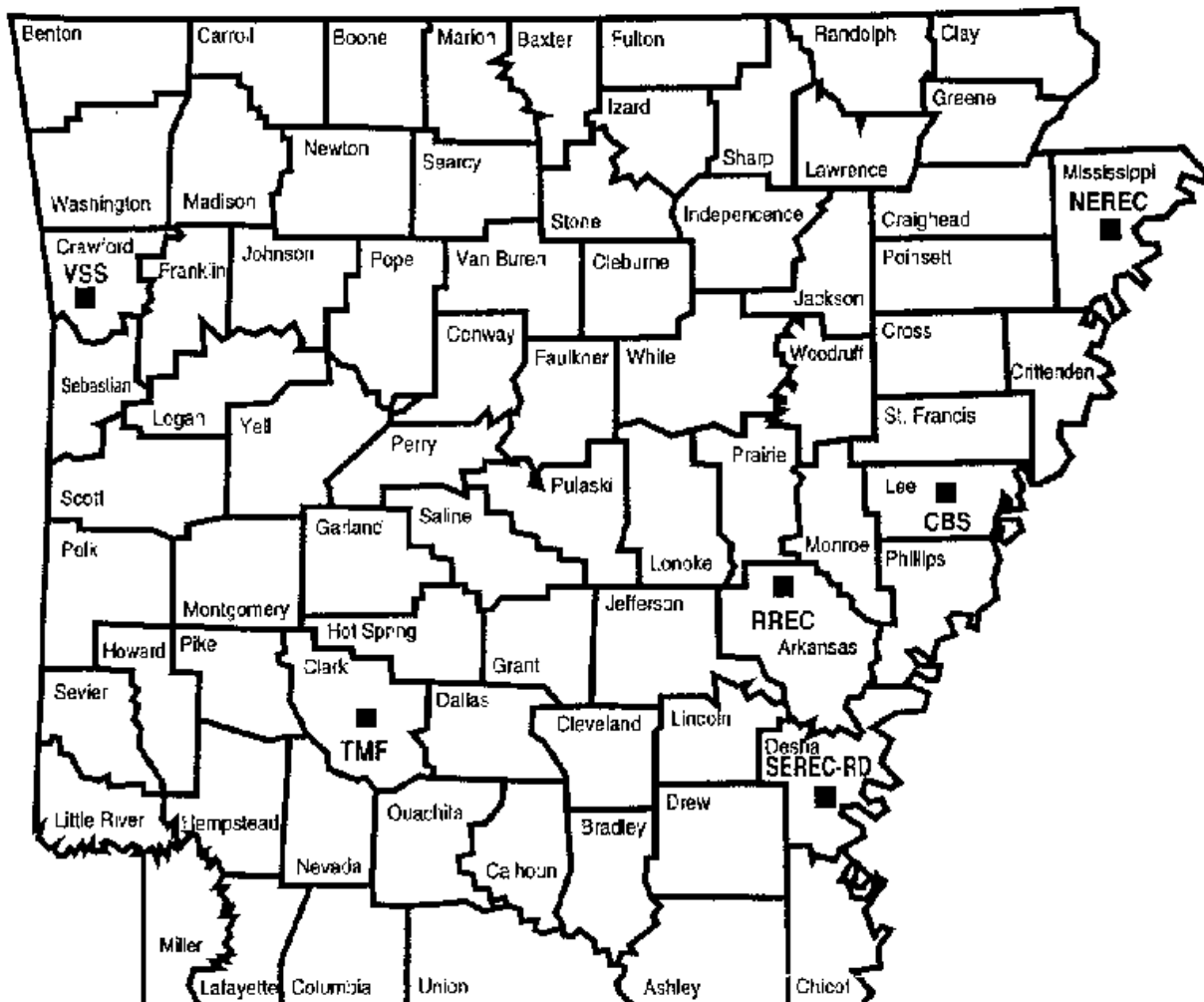
Participants and Entries (continued)
2000 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
University of Arkansas Dept. of Crop, Soils, & Environmental Sciences Fayetteville, AR 72701	R96-209 (5.2) Hutcheson (5.3) UARK-5798 (5.7) UARK-5896 (5.8) R95-2210 (5.9) R92-1258 (6.1)
University of Maryland N.R.S.L. Room 1112 H. J. Patterson Hall College Park, MD 20742-5821	Manokin (4.9) Md 4900 (4.9)
University of Missouri-Delta Center P. O. Box 160 Portageville, MO 63873	Anand (V) S96-2692 (5.5) S94-1867 (5.8) S96-2641 (5.9)
University of Tennessee Dept. of Plant and Soil Sciences Knoxville, TN 37901-1071	TN 93-87 (4.8) TN 93-99 (5.7) TN 94-213 (5.7) TN 93-142-17 (6.0)
USDA-ARS P. O. Box 196 Stoneville, MS 38776	DT97-4290 (4.9) DT96-6840 (5.9) Bolivar (5.7)
Virginia Poly Tech Institute CSES Department Blackburg, VA 24061-0404	Accomac (V) Essex (5.2) Essex RSV1 (5.2) Essex RSV4 (5.2) V91-3036 (5.8)

¹ Relative maturity provided by companies and institutions submitting entries.

* New Strains

SOYBEAN TEST LOCATIONS



- CES** Cotton Branch Station, Marianna, Arkansas
- NEREC** Northeast Research and Extension Center, Keiser, Arkansas
- RREC** Rice Research and Extension Center, Stuttgart, Arkansas
- SEREC-RD** Southeast Research and Extension Center-Rohwer Division, Rohwer, Arkansas
- TMF** Tracy McLelland Farm
- VSS** Vegetable Substation, Kibler, Arkansas

U*of***A** UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE
Agricultural Experiment Station