

Arkansas Soybean *Performance Tests* 2002



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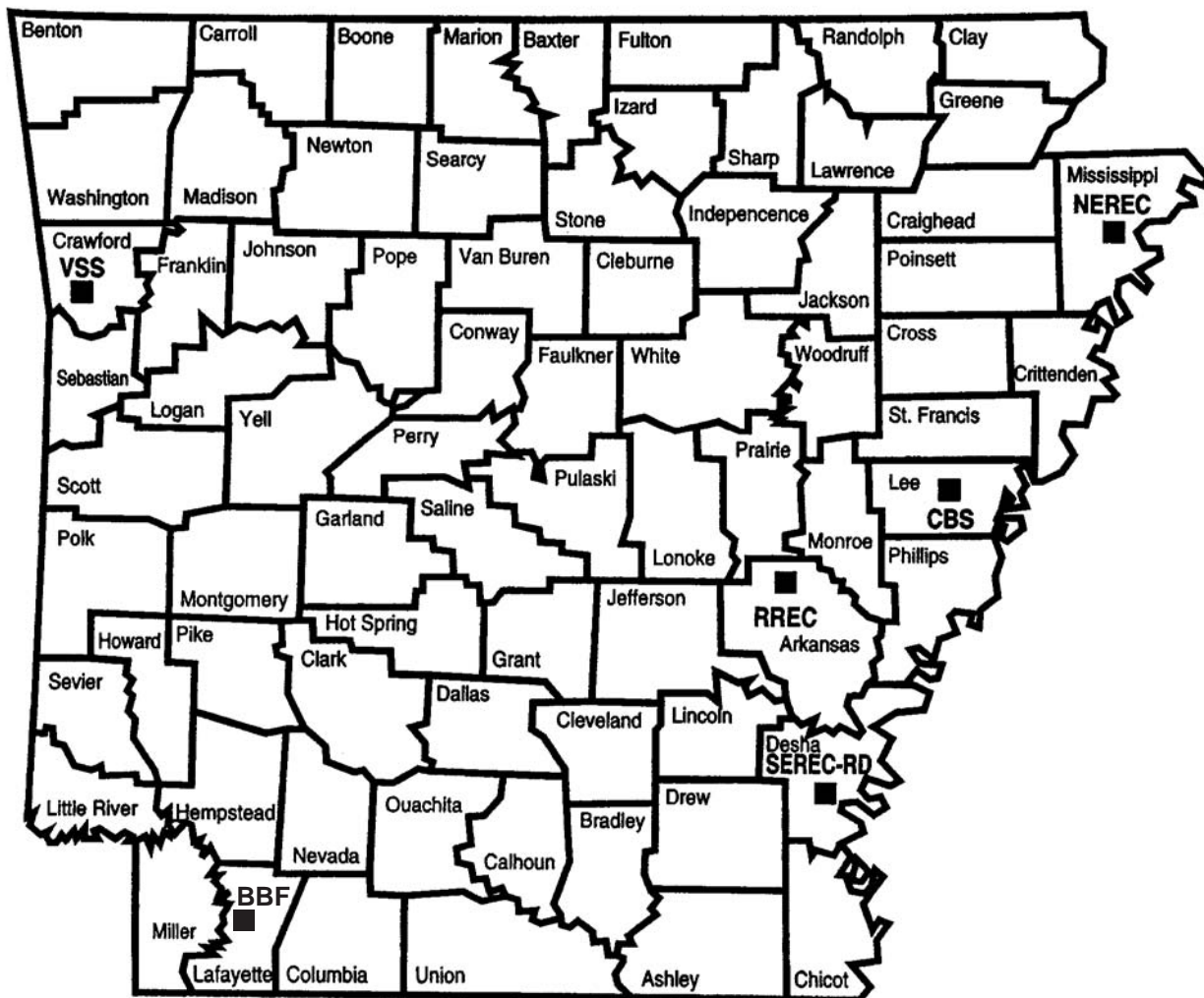
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SOYBEAN TEST LOCATIONS



- CBS** 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
- BBF** Burton Brothers Farm, Lafayette County, Arkansas
- VSS** Vegetable Substation, Kibler, Arkansas

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UNIVERSITY OF ARKANSAS

DIVISION OF AGRICULTURE

ARKANSAS SOYBEAN PERFORMANCE TESTS

2002

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Arkansas Variety Testing Website

Results of Arkansas variety performance tests for wheat and other small grains, rice, soybeans, cotton, corn and grain sorghum are available on the web at: www.arkansasvarietytesting.org

ARKANSAS SOYBEAN PERFORMANCE TESTS¹ 2002

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

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 2002 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 Burton Brothers Farm (BBF) in LaFayette County, 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" 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 5.5. 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 5.6 to 5.9.

Early planted tests (EPT) were established at NEREC, SEBS, BBF, 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. 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.

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.

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 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, 2002^{1,2}.

Brand/Cultivar	Keiser	Rohwer	Burton	Kibler	Average
	Nonirr.	Irr.	Nonirr.	Irr.	
-----bu/A-----					
<u>Early Maturing Cultivars (RM 4.6 or Less)</u>					
Armor 39-E9	47.1	60.8	48.7	50.5	51.8
Armor 42-L2	40.7	55.1	40.8	40.5	44.3
Armor 44-R4	49.2	62.0	42.9	46.8	50.2
Armor 44-R5	52.3	62.0	40.3	51.2	51.5
ASGROW AG3702	46.3	52.9	37.4	44.1	45.2
ASGROW AG3903	48.9	48.2	33.1	49.5	44.9
ASGROW AG4201	44.1	46.5	40.0	48.4	44.8
ASGROW AG4403	50.6	59.4	35.7	46.3	48.0
ASGROW AG4603	49.6	60.5	37.6	50.5	49.6
Croplan Genetics RC4444	43.6	63.5	38.2	46.2	47.9
Delta King 3862RR	39.9	47.5	39.1	45.7	43.1
Delta King 3961RR	46.1	61.6	38.0	46.4	48.0
Delta King 3964RR	46.1	54.1	42.7	46.1	47.3
Delta King 3968RR	48.1	53.2	41.9	46.7	47.5
Delta King 4461RR	46.9	53.7	47.4	51.6	49.9
Delta King XTJ040RR	50.2	47.6	38.5	39.8	44.0
Deltapine DPX3761RR	51.8	49.7	36.3	43.1	45.2
Deltapine DPX3819RR	43.3	57.4	42.2	45.4	47.1
Deltapine DPX3940RR	38.9	44.5	42.7	53.8	45.0
FFR 4455RR	47.7	58.4	39.8	51.6	49.4
Hartz H3090RR	47.8	53.0	29.7	53.0	45.9
Hartz H4454RR	47.2	61.9	32.5	46.2	47.0
HBK R3980	47.6	41.8	38.7	49.4	44.4
HBK R4622	46.0	55.7	38.1	49.6	47.4
Morsoy RT3881	46.2	45.4	37.4	50.1	44.8
Morsoy RT4480	53.3	65.4	42.5	45.9	51.8
NK Brand S39-Q4	49.0	52.4	39.0	39.6	45.0
NK Brand S40-R9	45.0	63.0	39.4	53.2	50.2
NK Brand S46-G2	43.9	53.0	36.3	37.3	42.6
Pioneer Brand 94B13	35.7	53.4	34.7	52.0	44.0
Pioneer Brand 94B54	50.1	54.5	50.2	44.6	49.9
Progeny 4303RR	40.3	54.9	42.2	29.2	41.6
Progeny 4401RR	48.2	53.7	37.5	52.7	48.0
Southern States RT3799N	42.7	44.0	36.5	47.1	42.6
Southern States RT3802N	43.0	51.0	36.6	52.4	45.8
Southern States RT4502N	48.2	52.4	38.8	50.4	47.5
Terral TV4589RR	48.8	67.8	44.2	47.4	52.1
Grand mean	46.3	54.6	39.4	47.1	46.9
LSD (5%)	8.7	12.1	10.0	9.0	.
C.V. (%)	11.5	13.7	15.8	11.8	.

Table 1. Yields of Early Planted Soybean Cultivars at All locations, 2002^{1,2}, continued.

Brand/Cultivar	Keiser Nonirr.	Rohwer Irr.	Burton Nonirr.	Kibler Irr.	Average
-----bu/A-----					
<u>Late Maturing Cultivars (RM 4.7 to 5.3)</u>					
Armor 47-G7	45.4	57.6	39.4	61.8	51.1
Armor AXR 5135	50.8	53.2	42.2	52.7	49.7
ASGROW AG4902	41.3	58.9	43.5	56.1	50.0
ASGROW AG5301	46.1	51.2	41.2	52.9	47.9
Croplan Genetics RC4772	38.4	52.5	42.2	49.9	45.8
Croplan Genetics RC4992	54.2	56.3	47.4	49.2	51.8
Delta King 4762RR	43.3	48.9	44.7	44.6	45.4
Delta King 4763RR	46.4	55.7	38.5	59.9	50.1
Delta King 4868RR	42.3	50.0	43.2	59.2	48.7
Delta King 4965RR	44.0	54.4	37.7	60.2	49.1
Delta King 5366RR	59.6	49.7	33.3	55.2	49.5
Delta King XTJ048RR	40.2	49.0	48.5	60.9	49.7
Deltapine DP4690RR	43.6	49.0	34.1	49.0	43.9
Deltapine DP4748S	43.4	55.2	47.2	61.8	51.9
Deltapine DP5110S	50.9	62.3	55.2	52.6	55.2
Deltapine SG 498RR	43.2	51.4	36.6	49.1	45.1
FFR 4712RR	44.1	54.1	45.9	46.3	47.6
FFR 4891RR	39.3	43.0	50.0	46.5	44.7
FFR 4922RR	50.7	50.7	44.4	51.5	49.3
FFR 5225RR	57.2	40.3	47.4	48.3	48.3
Hartz H4884RR	43.3	57.1	37.1	48.0	46.4
Hartz H5223RR	48.1	50.7	42.3	61.1	50.6
HBK R4820	46.9	58.6	38.3	57.5	50.3
Manokin	53.7	52.4	47.1	50.4	50.9
Morsoy RT4731	34.0	57.3	46.1	63.5	50.2
Morsoy RT4802	46.9	56.9	48.9	57.6	52.6
Morsoy RT4809	44.2	56.4	37.3	63.3	50.3
NK Brand S52-U3	56.3	43.1	46.9	59.0	51.3
NK Brand X248R	52.2	49.4	47.0	57.1	51.4
Pioneer 94B73	50.9	64.3	49.6	47.8	53.1
Pioneer Brand 94B74	40.6	56.2	38.9	49.9	46.4
Progeny 4858RR	40.9	61.0	43.2	50.2	48.8
Progeny 4910	45.7	57.9	40.6	54.5	49.7
Progeny 4932RR	46.7	55.9	48.7	49.8	50.3
Progeny 5001RR	44.8	47.2	36.4	46.4	43.7
Progeny 5120N	51.7	50.4	52.2	47.6	50.5
Progeny 5250RR	45.6	51.6	54.7	64.0	54.0
R96-209	56.9	41.2	51.8	56.7	51.6
Southern States RT4980	41.6	51.2	39.2	47.4	44.9
Southern States RT5001N	50.9	55.7	56.0	51.9	53.6

Table 1. Yields of Early Planted Soybean Cultivars at All locations, 2002^{1,2}, continued.

Brand/Cultivar	Keiser Nonirr.	Rohwer Irr.	Burton Nonirr.	Kibler Irr.	Average
-----bu/A-----					
<u>Late Maturing Cultivars (RM 4.7 to 5.3) continued</u>					
Southern States RT4902N	49.7	52.5	48.5	50.3	50.3
Southern States RT5302N	55.4	55.6	38.7	47.2	49.2
Terral TV4886RR	44.2	57.7	37.2	38.3	44.4
Terral TV4890RR	42.0	61.4	37.4	48.3	47.3
Terral TVX39R201	39.3	50.5	34.7	46.2	42.7
Grand mean	46.6	53.2	43.6	52.9	49.1
LSD (5%)	7.5	11.5	12.4	7.5	.
C.V. (%)	9.8	13.3	17.6	8.7	.

¹ Keiser Nonirr. = Northeast Research and Extension Center, Nonirrigated.
 Rohwer Irr. = Southeast Research and Extension Center - Rohwer Division, Irrigated.
 Burton Nonirr. = Burton Brothers Farm (Lafayette County), Nonirrigated.
 Kibler Irr. = Vegetable Substation, Irrigated.

² A nonirrigated test was also planted at the Southeast Research and Extension Center- Rohwer Division. Because of abnormally hot and dry conditions, resulting in reduced yields and poor uniformity, this test will not be reported.

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002.

Brand/Cultivar	2002 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Early Maturing Cultivars (RM 4.6 or Less)</u>							
Morsoy RT4480	53.3	.	.	8-24	1.0	1.0	37
Armor 44-R5	52.3	.	.	8-18	1.0	1.0	27
Deltapine DPX3761RR	51.8	.	.	8-12	1.0	1.0	34
ASGROW AG4403	50.6	48.7	51.3	8-26	1.0	1.0	36
Delta King XTJ040RR	50.2	.	.	8-20	1.0	1.0	30
Pioneer Brand 94B54	50.1	.	.	8-24	1.0	1.0	28
ASGROW AG4603	49.6	.	.	8-27	1.0	1.0	27
Armor 44-R4	49.2	48.1	.	8-24	1.0	1.0	30
NK Brand S39-Q4	49.0	45.3	.	8-13	1.0	1.0	27
ASGROW AG3903	48.9	45.2	.	8-18	1.0	1.0	32
Terral TV4589RR	48.8	47.0	48.0	8-24	1.0	1.0	34
Southern States RT4502N	48.2	.	.	8-29	1.0	1.0	34
Progeny 4401RR	48.2	.	.	8-24	1.0	1.0	36
Delta King 3968RR	48.1	47.1	.	8-17	1.0	1.0	29
Hartz H3090RR	47.8	.	.	8-17	1.0	1.0	30
FFR 4455RR	47.7	.	.	8-27	1.0	1.0	35
HBK R3980	47.6	47.7	.	8-14	1.0	2.0	31
Hartz H4454RR	47.2	.	.	8-22	1.0	1.0	30
Armor 39-E9	47.1	.	.	8-18	1.0	1.0	28
Delta King 4461RR	46.9	43.7	.	8-23	1.0	1.0	33
ASGROW AG3702	46.3	48.0	.	8-12	1.0	1.0	34
Morsoy RT3881	46.2	.	.	8-15	2.0	1.0	34
Delta King 3961RR	46.1	46.2	.	8-21	2.0	1.0	35
Delta King 3964RR	46.1	48.0	.	8-19	1.0	1.0	34
HBK R4622	46.0	.	.	8-25	1.0	1.0	22
NK Brand S40-R9	45.0	.	.	8-24	1.0	1.0	30
ASGROW AG4201	44.1	.	.	8-21	1.0	1.0	29
NK Brand S46-G2	43.9	46.0	.	8-28	1.0	1.0	35
Croplan Genetics RC4444	43.6	47.3	.	8-21	1.0	1.0	33
Deltapine DPX3819RR	43.3	.	.	8-22	1.0	1.0	34
Southern States RT3802N	43.0	.	.	8-20	1.0	1.0	35
Southern States RT3799N	42.7	.	.	8-19	1.0	2.0	26
Armor 42L2	40.7	39.2	.	8-23	2.0	1.0	39
Progeny 4303RR	40.3	.	.	8-27	1.7	1.0	37
Delta King 3862RR	39.9	43.5	.	8-15	1.0	1.0	35
Deltapine DPX3940RR	38.9	.	.	8-13	1.0	1.0	30
Pioneer Brand 94B13	35.7	.	.	8-17	1.0	1.0	30
Grand mean	46.3	.	.	8-21	1.1	1.1	32
LSD (5%)	8.7	.	.	1	0.1	n s	.
C.V. (%)	11.5	.	.	1	8.4	.	.

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.7 to 5.3)</u>							
Delta King 5366RR	59.6	47.2	46.2	9-23	1.0	1.0	33
FFR 5225RR	57.2	.	.	9-21	1.0	1.0	38
R96-209	56.9	.	.	9-16	1.0	1.0	26
NK Brand S52-U3	56.3	44.4	.	9-18	1.0	1.0	26
Southern States RT5302N	55.4	.	.	9-16	1.0	1.0	38
Croplan Genetics RC4992	54.2	.	.	9-08	2.0	1.0	42
Manokin	53.7	52.3	47.9	9-14	1.0	1.0	24
NK Brand X248R	52.2	.	.	9-04	1.0	1.0	37
Progeny 5120N	51.7	41.1	.	9-08	2.0	1.0	34
Southern States RT 5001N	50.9	45.2	.	9-15	1.0	1.0	43
Deltapine DP5110S	50.9	49.7	.	9-09	3.0	1.0	43
Pioneer 94B73	50.9	51.5	.	8-26	1.0	2.0	35
Armor AXR 5135	50.8	.	.	9-09	1.0	1.0	38
FFR 4922RR	50.7	.	.	9-08	3.0	1.0	47
Southern States RT4902N	49.7	.	.	9-09	2.0	1.0	44
Hartz H5223RR	48.1	.	.	9-16	1.0	1.0	22
HBK R4820	46.9	48.2	.	8-27	1.0	2.0	34
Morsoy RT4802	46.9	49.2	.	8-30	1.0	1.0	32
Progeny 4932RR	46.7	.	.	9-13	1.3	1.0	49
Delta King 4763RR	46.4	45.1	.	9-02	1.3	1.0	30
ASGROW AG5301	46.1	.	.	9-13	1.0	1.0	30
Progeny 4910	45.7	46.1	46.8	8-28	1.0	1.0	38
Progeny 5250RR	45.6	.	.	9-07	1.0	1.0	24
Armor 47-G7	45.4	46.7	.	8-30	1.0	1.0	28
Progeny 5001RR	44.8	.	.	9-15	1.7	1.0	47
Terral TV4886RR	44.2	44.9	44.5	9-01	2.0	1.0	39
Morsoy RT4809	44.2	49.2	.	8-30	1.0	1.0	32
FFR 4712RR	44.1	.	.	8-27	1.0	3.0	40
Delta King 4965RR	44.0	46.5	48.5	9-05	1.0	1.0	34
Deltapine DP4690RR	43.6	43.0	42.9	8-25	1.0	2.0	38
Deltapine DP4748S	43.4	44.6	49.0	8-29	2.0	2.0	39
Delta King 4762RR	43.3	39.4	42.8	9-03	1.0	1.0	43
Hartz H4884RR	43.3	46.0	46.5	9-01	1.0	3.0	40
Deltapine SG 498RR	43.2	46.4	44.5	9-07	1.0	2.0	27
Delta King 4868RR	42.3	46.2	48.6	8-27	1.0	1.0	36
Terral TV4890RR	42.0	46.5	46.4	8-23	1.0	1.7	36
Southern States RT 4980	41.6	47.2	45.4	8-29	1.0	1.0	38
ASGROW AG4902	41.3	43.2	43.6	8-31	1.0	1.0	36
Progeny 4858RR	40.9	46.1	.	8-30	1.0	2.0	37
Pioneer Brand 94B74	40.6	.	.	8-20	1.0	2.0	32

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.7 to 5.3) continued</u>							
Delta King XTJ048RR	40.2	.	.	8-27	2.0	1.0	34
FFR 4891RR	39.3	.	.	9-04	1.0	2.0	39
Terral TVX39R201	39.3	.	.	8-23	1.0	1.0	34
Morsoy RT4731	39.1	.	.	8-27	1.0	1.0	28
Croplan Genetics RC4772	38.4	.	.	8-27	3.0	2.0	39
Grand mean	46.7	.	.	9-04	1.3	1.3	36
LSD (5%)	7.2	.	.	4	0.2	0.3	.
C.V. (%)	9.5	.	.	4	11.3	12.9	.

Soil Series.....Commerce silt loam
 Previous Crop.....Soybean
 Row Width.....38 inches
 Fertilizer Applied.....None
 Lime Applied.....None
 Planting Date.....4-11-02
 Herbicide Application.....3 pts./A Squadron + 1 pt./A Prowl, 4-11-02, 1.5 pts./A Flexstar + 12.8 oz./A Butyrac + 8 oz./A Select, 6-19-02
 Irrigation Dates..... None
 Harvest Dates.....Early: 9-03-02
 Late:9-16-02, 9-25-02

Precipitation (inches)

	April	May	June	July	August	September	Total
2002	0.1	5.7	3.4	2.0	5.9	5.3	22.4
Average	5.0	5.2	4.0	3.7	2.9	3.9	24.8
Departure	-4.9	+0.5	-0.6	-1.7	+3.0	+1.4	-2.4

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002.

Brand/Cultivar	2002 bu/A	2-Year ¹ Avg.	3-Year ¹ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Early Maturing Cultivars (RM 4.6 or Less)</u>							
Terral TV4589RR	67.8	61.1	61.5	8-13	1.0	1.0	30
Morsoy RT4480	65.4	.	.	8-15	1.0	1.0	30
Croplan Genetics RC4444	63.5	.	.	8-15	1.0	1.0	32
NK Brand S40-R9	63.0	.	.	8-12	1.0	1.0	28
Armor 44R4	62.0	.	.	8-15	1.0	1.0	32
Armor 44-R5	62.0	.	.	8-12	1.0	1.0	25
Hartz H4454RR	61.9	.	.	8-15	1.0	1.0	32
Delta King 3961RR	61.6	.	.	8-10	1.0	1.0	31
Armor 39-E9	60.8	.	.	8-07	1.0	1.0	25
ASGROW AG4603	60.5	.	.	8-17	1.0	1.0	27
ASGROW AG4403	59.4	61.2	.	8-14	1.0	1.0	31
FFR 4455RR	58.4	.	.	8-15	1.0	1.0	32
Deltapine DPX3819RR	57.4	.	.	8-08	1.0	1.0	31
HBK R4622	55.7	.	.	8-13	1.0	1.0	25
Armor 42L2	55.1	.	.	8-10	1.0	1.0	30
Progeny 4303RR	54.9	.	.	8-14	1.0	1.0	31
Pioneer Brand 94B54	54.5	.	.	8-13	1.0	1.0	29
Delta King 3964RR	54.1	.	.	8-09	1.0	1.0	30
Delta King 4461RR	53.7	.	.	8-14	1.0	1.0	29
Progeny 4401RR	53.7	.	.	8-12	1.0	1.0	28
Pioneer Brand 94B13	53.4	.	.	8-09	1.0	1.0	26
Delta King 3968RR	53.2	.	.	8-13	1.0	1.0	27
NK Brand S46-G2	53.0	.	.	8-13	1.0	1.0	31
Hartz H3090RR	53.0	.	.	8-10	1.0	1.0	31
ASGROW AG3702	52.9	.	.	8-09	1.0	1.0	27
NK Brand S39-Q4	52.4	.	.	8-10	1.0	1.0	26
Southern States RT4502N	52.4	.	.	8-15	1.0	1.0	31
Southern States RT3802N	51.0	.	.	8-07	1.0	1.0	30
Deltapine DPX3761RR	49.7	.	.	8-06	1.0	1.0	23
ASGROW AG3903	48.2	.	.	8-09	1.0	1.0	28
Delta King XTJ040RR	47.6	.	.	8-10	1.0	1.0	23
Delta King 3862RR	47.5	.	.	8-07	1.0	1.0	25
ASGROW AG4201	46.5	.	.	8-09	1.0	1.0	25
Morsoy RT3881	45.4	.	.	8-06	1.0	1.0	27
Deltapine DPX3940RR	44.5	.	.	8-06	1.0	1.0	24
Southern States RT3799N	44.0	.	.	8-06	1.0	1.0	24
HBK R3980	41.8	.	.	8-08	1.0	1.0	23
Grand mean	54.6	.	.	8-11	1.0	1.0	28
LSD (5%)	12.1	.	.	3	n s	n s	4
C.V. (%)	13.7	.	.	4	.	.	9

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year ¹ Avg.	3-Year ¹ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.7 to 5.3)</u>							
Pioneer 94B73	64.3	.	.	8-15	1.0	1.0	32
Deltapine DP5110S	62.3	.	.	8-24	1.0	1.0	29
Terral TV4890RR	61.4	54.7	.	8-16	1.0	1.0	35
Progeny 4858RR	61.0	.	.	8-21	1.0	1.0	32
ASGROW AG4902	58.9	58.0	57.8	8-20	1.0	1.0	29
HBK R4820	58.6	.	.	8-20	1.0	1.0	32
Progeny 4910	57.9	57.4	.	8-25	1.0	1.0	33
Terral TV4886RR	57.7	57.2	.	8-18	1.0	1.0	34
Armor 47-G7	57.6	.	.	8-13	1.0	1.0	29
Morsoy RT4731	57.3	.	.	8-13	1.0	1.0	28
Hartz H4884RR	57.1	53.7	.	8-22	1.0	1.0	30
Morsoy RT4802	56.9	.	.	8-16	1.0	1.0	27
Morsoy RT4809	56.4	.	.	8-21	1.0	1.0	32
Croplan Genetics RC4992	56.3	.	.	8-28	1.0	1.0	41
Pioneer Brand 94B74	56.2	.	.	8-16	1.0	1.0	31
Progeny 4932RR	55.9	.	.	8-27	1.0	1.0	42
Delta King 4763RR	55.7	.	.	8-13	1.0	1.0	23
Southern States RT5001N	55.7	.	.	8-31	1.0	1.0	30
Southern States RT5302N	55.6	.	.	9-05	1.0	1.0	28
Deltapine DP4748S	55.2	59.3	.	8-16	1.0	1.0	32
Delta King 4965RR	54.4	53.2	56.7	8-18	1.0	1.0	29
FFR 4712RR	54.1	.	.	8-21	1.0	1.0	32
Armor AXR 5135	53.2	.	.	8-29	1.0	1.0	38
Croplan Genetics RC4772	52.5	.	.	8-18	1.0	1.0	32
Southern States RT4902N	52.5	.	.	8-29	1.0	1.0	41
Manokin	52.4	55.0	51.9	8-28	1.0	1.0	17
Progeny 5250RR	51.6	.	.	8-28	1.0	1.0	18
Deltapine SG 498RR	51.4	57.9	57.2	8-25	1.0	1.0	26
Southern States RT4980	51.2	53.7	.	8-24	1.0	1.0	32
ASGROW AG5301	51.2	.	.	9-13	1.0	1.0	22
Hartz H5223RR	50.7	.	.	9-03	1.0	1.0	21
FFR 4922RR	50.7	.	.	8-27	1.0	1.0	41
Terral TVX39R201	50.5	.	.	8-13	1.0	1.0	28
Progeny 5120N	50.4	.	.	8-30	1.0	1.0	23
Delta King 4868RR	50.0	54.7	.	8-23	1.0	1.0	27
Delta King 5366RR	49.7	56.1	.	9-06	1.0	1.0	26
NK Brand X248R	49.4	.	.	8-23	1.0	1.0	27
Deltapine DP4690RR	49.0	54.2	.	8-23	1.0	1.0	33
Delta King XTJ048RR	49.0	.	.	8-15	1.0	1.0	29
Delta King 4762RR	48.9	52.2	49.4	8-20	1.0	1.0	31

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year ¹ Avg.	3-Year ¹ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.7 to 5.3) continued</u>							
Progeny 5001RR	47.2	.	.	8-27	1.0	1.0	42
NK Brand S52-U3	43.1	.	.	9-02	1.0	1.0	20
FFR 4891RR	43.0	.	.	8-27	1.0	1.0	36
R96-209	41.2	.	.	8-29	1.0	1.0	21
FFR 5225RR	40.3	.	.	9-05	1.0	1.0	27
Grand mean	53.2	.	.	8-24	1.0	1.0	30
LSD (5%)	11.5	.	.	5	n s	n s	4
C.V. (%)	13.3	.	.	6	.	.	8

¹Two and three year averages were calculated from the years 1999, 2000, and 2002.

Soil Series.....Sharkey desha silt loam
 Previous Crop.....Grain Sorghum
 Row Width.....19 inches
 Fertilizer Applied.....100 lbs./A 0-46-0, 3-05-02, 200 lbs./A 0-0-60, 3-06-02
 Lime Applied.....None
 Planting Date.....4-17-02
 Herbicide Application.....1.5 pts./A Treflan + 1.4 oz./A Scepter, 4-16-02, 1.5 pts./A Reflex, 5-15-02
 10 oz./A Select, 5-20-02, 1.5 pts./A Basagran + 1.5 pts./A Blazer, 6-07-02
 Irrigation Dates.....6-03-02, 6-18-02, 6-24-02, 7-11-02, 7-23-02, 7-30-02, 8-06-02
 Harvest Dates.....Early: 8-19-02
 Late: 9-10-02

Precipitation (inches)

	April	May	June	July	August	September	Total
2002	1.2	10.4	2.5	1.9	2.7	2.7	21.4
Average	5.0	4.7	3.5	3.9	2.7	3.1	22.9
Departure	-3.8	+5.7	-1.0	-2.0	0.0	-0.4	-1.5

Table 4. Performance of Nonirrigated Early Planted Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹.

Brand/Cultivar	2002 bu/A	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Early Maturing Cultivars (RM 4.6 or Less)</u>					
Pioneer Brand 94B54	50.2	9-11	1.3	1.7	33
Armor 39-E9	48.7	8-19	1.0	1.0	25
Delta King 4461RR	47.4	9-11	1.0	2.0	32
Terral TV4589RR	44.2	9-11	1.7	1.0	32
Armor 44R4	42.9	9-05	1.0	1.0	32
Delta King 3964RR	42.7	8-23	1.7	1.0	31
Deltapine DPX3940RR	42.7	8-23	1.0	1.3	30
Morsoy RT4480	42.5	8-29	1.3	1.0	31
Progeny 4303RR	42.2	9-11	1.7	1.0	35
Deltapine DPX3819RR	42.2	8-29	1.7	1.3	34
Delta King 3968RR	41.9	8-19	1.3	1.0	24
Armor 42L2	40.8	8-19	2.0	1.0	29
Armor 44-R5	40.3	9-05	1.0	1.3	26
ASGROW AG4201	40.0	8-29	1.3	1.3	27
FFR 4455RR	39.8	9-11	1.3	1.3	34
NK Brand S40-R9	39.4	8-29	1.7	1.3	28
Delta King 3862RR	39.1	8-29	1.3	1.0	26
NK Brand S39-Q4	39.0	8-23	1.0	1.0	27
Southern States RT4502N	38.8	9-11	1.7	1.3	35
HBK R3980	38.7	8-23	1.7	1.0	27
Delta King XTJ040RR	38.5	8-29	1.3	1.3	29
Croplan Genetics RC4444	38.2	8-29	1.3	1.0	29
HBK R4622	38.1	9-05	1.0	1.0	26
Delta King 3961RR	38.0	8-23	1.3	1.0	30
ASGROW AG4603	37.6	9-11	1.3	1.3	29
Progeny 4401RR	37.5	8-29	1.0	1.0	29
ASGROW AG3702	37.4	8-19	1.0	1.0	25
Morsoy RT3881	37.4	8-29	1.3	1.0	28
Southern States RT3802N	36.6	8-23	1.0	1.0	32
Southern States RT3799N	36.5	8-23	1.0	1.7	29
NK Brand S46-G2	36.3	9-11	1.0	1.0	34
Deltapine DPX3761RR	36.3	8-19	1.7	1.0	25
ASGROW AG4403	35.7	9-05	1.7	1.0	33
Pioneer Brand 94B13	34.7	8-29	1.0	1.0	27
ASGROW AG3903	33.1	8-19	1.0	1.3	27
Hartz H4454RR	32.5	9-11	1.7	1.0	32
Hartz H3090RR	29.7	8-29	1.3	1.3	25
Grand mean	39.4	8-30	1.3	1.2	29
LSD (5%)	10.0	10	0.7	0.6	5
C.V. (%)	15.8	10	33.7	33.1	9

Table 4. Performance of Nonirrigated Early Planted Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.7 to 5.3)</u>				
Southern States RT 5001N	56.0	1.0	1.0	28
Deltapine DP5110S	55.2	2.0	1.0	42
Progeny 5250RR	54.7	1.0	1.0	21
Progeny 5120N	52.2	1.0	1.0	34
R96-209	51.8	1.0	1.0	23
FFR 4891RR	50.0	1.3	1.3	39
Pioneer 94B73	49.6	1.0	1.0	34
Morsoy RT4802	48.9	1.3	1.7	34
Progeny 4932RR	48.7	1.3	1.0	37
Southern States RT4902N	48.5	1.3	1.0	38
Delta King XTJ048RR	48.5	1.3	1.3	31
Croplan Genetics RC4992	47.4	1.3	1.0	36
FFR 5225RR	47.4	1.0	1.0	30
Deltapine DP4748S	47.2	2.0	2.0	41
Manokin	47.1	1.0	1.0	21
NK Brand X248R	47.0	1.0	1.0	34
NK Brand S52-U3	46.9	1.0	1.0	23
Morsoy RT4731	46.1	1.0	1.0	27
FFR 4712RR	45.9	1.7	1.0	34
Delta King 4762RR	44.7	2.0	1.3	43
FFR 4922RR	44.4	1.0	1.0	36
ASGROW AG4902	43.5	1.0	1.7	31
Delta King 4868RR	43.2	1.0	1.3	29
Progeny 4858RR	43.2	1.3	1.0	34
Hartz H5223RR	42.3	1.0	1.0	20
Croplan Genetics RC4772	42.2	1.7	1.0	36
Armor AXR 5135	42.2	1.3	1.3	34
ASGROW AG5301	41.2	1.0	1.0	21
Progeny 4910	40.6	1.3	1.3	34
Armor 47-G7	39.4	1.0	1.7	28
Southern States RT 4980	39.2	1.3	1.7	35
Pioneer Brand 94B74	38.9	1.0	2.3	30
Southern States RT5302N	38.7	1.0	1.0	29
Delta King 4763RR	38.5	1.0	1.0	26
HBK R4820	38.3	1.0	1.0	30
Delta King 4965RR	37.7	1.0	1.0	29
Terral TV4890RR	37.4	1.3	1.0	34
Morsoy RT4809	37.3	1.0	1.0	29
Terral TV4886RR	37.2	1.7	1.0	38
Hartz H4884RR	37.1	1.0	2.0	32

Table 5. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation, Kibler, AR, 2002¹.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Early Maturing Cultivars (RM 4.6 or Less)</u>						
Deltapine DPX3940RR	53.8	.	9-04	0.7	1.0	39
NK Brand S40-R9	53.2	.	9-07	0.0	1.0	40
Hartz H3090RR	53.0	.	9-04	0.7	1.0	37
Progeny 4401RR	52.7	.	9-12	0.0	1.0	42
Southern States RT3802N	52.4	.	9-06	0.0	1.0	42
Pioneer Brand 94B13	52.0	.	9-09	0.0	1.0	38
Delta King 4461RR	51.6	55.4	9-08	0.0	1.0	42
FFR 4455RR	51.6	.	9-08	0.7	1.0	41
Armor 44-R5	51.2	.	9-09	0.0	1.0	34
ASGROW AG4603	50.5	.	9-12	0.0	1.0	36
Armor 39-E9	50.5	.	9-06	0.0	1.0	37
Southern States RT4502N	50.4	.	9-11	0.0	1.0	43
Morsoy RT3881	50.1	.	9-06	2.0	1.0	42
HBK R4622	49.6	.	9-15	0.0	1.0	36
ASGROW AG3903	49.5	43.4	9-06	0.0	1.0	37
HBK R3980	49.4	51.3	9-05	0.0	1.0	33
ASGROW AG4201	48.4	.	9-09	0.0	1.0	38
Terral TV4589RR	47.4	56.5	9-04	0.0	1.0	40
Southern States RT3799N	47.1	.	9-04	0.0	1.0	36
Armor 44R4	46.8	54.1	9-08	0.0	1.0	42
Delta King 3968RR	46.7	49.1	9-08	0.0	1.0	37
Delta King 3961RR	46.4	44.9	9-06	0.0	1.0	41
ASGROW AG4403	46.3	49.1	9-10	0.0	1.0	41
Croplan Genetics RC4444	46.2	51.6	9-12	0.0	1.0	42
Hartz H4454RR	46.2	.	9-11	0.0	1.0	40
Delta King 3964RR	46.1	44.5	9-08	0.0	1.0	41
Morsoy RT4480	45.9	.	9-10	0.0	1.0	41
Delta King 3862RR	45.7	50.0	9-06	0.0	1.0	37
Deltapine DPX3819RR	45.4	.	9-04	0.0	1.0	43
Pioneer Brand 94B54	44.6	.	9-12	0.0	1.0	41
ASGROW AG3702	44.1	49.8	9-08	0.0	1.0	36
Deltapine DPX3761RR	43.1	.	9-08	0.0	1.0	35
Armor 42L2	40.5	42.6	9-08	0.7	1.0	42
Delta King XTJ040RR	39.8	.	9-08	0.0	1.0	40
NK Brand S39-Q4	39.6	46.4	9-10	0.0	1.0	37
NK Brand S46-G2	37.3	45.4	9-13	0.0	1.0	47
Progeny 4303RR	29.2	.	9-13	0.7	1.0	43
Grand mean	47.1	.	9-08	0.1	1.0	39
LSD (5%)	9.0	.	5	.	n s	3
C.V. (%)	11.8	.	5	.	.	4

Table 5. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation, Kibler, AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.7 to 5.3)</u>						
Progeny 5250RR	64.0	.	9-29	0.0	1.0	32
Morsoy RT4731	63.5	.	9-19	0.7	1.0	38
Morsoy RT4809	63.3	58.8	9-19	0.7	1.0	41
Deltapine DP4748S	61.8	61.1	9-27	1.3	1.0	47
Armor 47-G7	61.8	64.5	9-20	0.0	1.0	36
Hartz H5223RR	61.1	.	9-28	0.0	1.0	31
Delta King XTJ048RR	60.9	.	9-15	0.0	1.0	37
Delta King 4965RR	60.2	59.0	9-21	0.7	1.0	38
Delta King 4763RR	59.9	63.7	9-24	0.0	1.0	38
Delta King 4868RR	59.2	59.9	9-19	0.7	1.0	40
NK Brand S52-U3	59.0	54.1	9-30	0.0	1.0	31
Morsoy RT4802	57.6	.	9-16	0.7	1.0	38
HBK R4820	57.5	57.3	9-22	0.7	1.0	45
NK Brand X248R	57.1	.	9-25	2.3	1.0	44
R96-209	56.7	.	9-30	0.0	1.0	34
ASGROW AG4902	56.1	56.0	9-18	0.7	1.0	41
Delta King 5366RR	55.2	51.3	10-01	0.0	1.0	31
Progeny 4910	54.5	51.9	9-23	1.7	1.0	45
ASGROW AG5301	52.9	.	9-28	0.0	1.0	36
Armor AXR 5135	52.7	.	9-30	2.0	1.0	47
Deltapine DP5110S	52.6	53.1	9-28	2.0	1.0	49
Southern States RT 5001N	51.9	51.2	9-24	0.0	1.0	41
FFR 4922RR	51.5	.	9-13	0.0	1.0	50
Manokin	50.4	53.1	9-20	0.0	1.0	33
Southern States RT4902N	50.3	.	9-22	1.0	1.0	48
Progeny 4858RR	50.2	50.0	9-24	1.3	1.0	42
Croplan Genetics RC4772	49.9	.	9-20	2.7	1.0	44
Pioneer Brand 94B74	49.9	.	9-15	3.0	1.0	41
Progeny 4932RR	49.8	.	9-19	0.7	1.0	51
Croplan Genetics RC4992	49.2	.	9-21	0.7	1.0	49
Deltapine SG 498RR	49.1	53.4	9-24	0.0	1.0	41
Deltapine DP4690RR	49.0	48.1	9-22	3.7	1.0	46
Terral TV4890RR	48.3	49.2	9-09	0.0	1.0	44
FFR 5225RR	48.3	.	10-02	0.0	1.0	39
Hartz H4884RR	48.0	48.8	9-21	2.7	1.0	42
Pioneer 94B73	47.8	52.7	9-15	3.0	1.0	42
Progeny 5120N	47.6	49.7	9-26	0.0	1.0	38
Southern States RT4980	47.4	48.8	9-19	2.7	1.0	44
Southern States RT5302N	47.2	.	9-30	0.0	1.0	40
FFR 4891RR	46.5	.	9-23	3.3	1.0	47

Table 5. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation, Kibler, AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	2-Year Maturity Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Late Maturing Cultivars (RM 4.7 to 5.3) continued</u>						
Progeny 5001RR	46.4	.	9-24	3.0	1.0	48
FFR 4712RR	46.3	.	9-15	2.7	1.0	44
Terral TVX39R201	46.2	.	9-18	0.7	1.0	41
Delta King 4762RR	44.6	44.1	9-24	0.7	1.0	48
Terral TV4886RR	38.3	44.4	9-21	4.0	1.0	49
Grand mean	52.9	.	9-22	1.1	1.0	42
LSD (5%)	7.5	.	8	.	n s	4
C.V. (%)	8.7	.	6	.	.	6

¹ There were no data reported for 1999 and 2000, therefore 3-year averages are not available.

Soil Series..... Dardanelle silt loam
 Previous Crop..... Soybean
 Row Width..... 36 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 4-25-02
 Herbicide Application..... Tank mix of Pursuit DG70 at 40 gal./A + 1.75 pts./A Prowl 3.3 EC, 4-29-02
 Irrigation Dates..... 6-19-02, 6-28-02, 7-17-02, 8-05-02, 9-10-02
 Harvest Dates..... Early:9-18-02
 Late:10-02-02

Precipitation (inches)

	April	May	June	July	August	September	Total
2002	6.6	3.2	2.4	3.9	5.1	1.1	22.3
Average	2.9	5.4	5.6	1.3	2.2	4.8	22.2
Departure	+3.7	-2.2	-3.2	+2.6	+2.9	-3.7	+0.1

Table 6. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2002¹.

Brand/Hybrid	Keiser ²	Keiser	Mar.	Mar.	Stuttgart	Rohwer	Burton	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	Non.	
----- bu/A -----								
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>								
Armor 44-R4	79.4	50.6	51.6	35.7	48.6	60.3	34.5	51.5
Armor 44-R5	83.5	*	*	*	*	73.8	*	*
Armor 47-G7	78.1	56.6	55.1	44.5	53.7	68.9	38.5	56.5
ASGROW AG4603	77.6	52.6	55.2	42.5	48.6	62.6	42.9	54.6
ASGROW AG4201	78.1	47.2	56.5	33.4	51.6	64.9	48.3	54.3
ASGROW AG4403	76.9	50.5	54.2	41.3	49.2	65.0	32.6	52.8
Delta King 4461RR	75.2	50.6	55.6	42.0	60.4	68.0	32.7	54.9
Delta King 4762RR	66.2	48.5	48.6	35.5	53.2	56.8	33.7	48.9
Delta King 4763RR	81.6	55.9	54.6	40.9	56.6	69.1	46.7	57.9
Delta King XTJ040RR	75.2	43.2	47.6	27.9	48.9	32.9	34.4	48.6
Delta King XTJ044RR	78.4	45.8	61.6	38.9	51.3	70.0	44.1	55.7
Delta King XTJ046RR	69.5	44.9	51.9	42.2	48.6	64.7	40.9	51.8
Delta King XTJ301RR	75.3	48.7	52.4	35.7	45.4	62.5	30.7	50.1
Deltapine 4748S	79.4	56.6	57.8	44.1	64.6	71.6	46.4	60.1
Deltapine DP4690RR	72.4	54.2	50.8	35.5	45.2	60.1	38.1	50.9
Deltapine DPX4431RR	76.1	*	*	*	*	66.0	*	*
Deltapine DPX4527RR	80.5	*	*	*	*	55.5	*	*
Deltapine DPX4727RR	72.8	*	*	*	*	70.8	*	*
Dyna Gro 3443NRR	78.8	54.2	51.1	39.0	52.6	63.7	27.3	52.4
Dyna Gro 3468NRR	72.7	47.8	54.1	43.7	48.9	54.9	42.7	52.1
Garst 4312RR/STS/N	80.1	44.9	52.4	38.0	48.9	67.6	36.4	52.6
Garst 4512RR/N	80.3	49.2	53.4	39.3	50.2	67.5	37.4	53.9
Golden Harvest 4534RR	75.8	52.4	54.3	38.6	48.9	64.7	31.6	52.3
Golden Harvest 4772RR	78.7	52.8	54.7	39.6	56.1	68.2	38.4	55.5
Hartz H4454RR	77.6	51.4	53.5	37.1	60.9	66.5	33.5	54.4
HBK R4622	75.0	38.8	55.8	33.6	46.8	69.1	38.8	51.1
KS 4202	71.6	44.9	46.3	32.7	52.4	73.6	36.3	51.1
KS 4602N	77.4	53.3	57.5	40.7	49.4	64.6	42.4	55.0
Morsoy RT4480	73.3	47.4	52.0	41.2	50.8	63.9	39.1	52.5
Morsoy RT4731	81.5	54.4	57.2	40.5	51.8	68.3	35.8	55.6
MPV 4102NRR	72.6	43.2	54.1	35.9	43.0	70.6	44.8	52.0
Pioneer Brand 94B73	81.3	59.0	54.5	43.8	56.6	68.8	40.3	57.8
Pioneer Brand 94B74	79.4	45.8	59.9	39.5	52.9	69.8	42.3	55.7
Progeny 4303RR	67.2	42.1	48.7	33.3	48.4	59.6	27.8	46.7
Progeny 4401RR	75.6	51.9	52.4	38.3	46.8	61.8	30.2	51.0
Southern States RT446N	70.3	47.7	49.4	40.8	46.2	55.0	31.4	48.7
Southern States RT4502N	72.3	51.4	50.5	36.9	46.0	59.6	35.3	50.3
Terral TV4589RR	67.9	44.5	53.6	38.1	50.8	61.5	36.9	50.5
Grand mean	75.9	49.5	53.5	38.5	51.0	65.1	37.4	53.0
LSD (5%)	7.1	7.6	5.1	5.4	7.5	8.4	11.8	.
C.V. (%)	5.8	9.5	5.9	8.7	9.1	7.9	19.5	.

Table 6. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2002¹, continued.

Brand/Hybrid	Keiser ²	Keiser	Mar.	Mar.	Stuttgart	Rohwer	Burton	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	Non.	
-----bu/A-----								
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>								
ASGROW AG4902	79.7	46.4	58.4	32.8	60.4	59.3	37.1	53.4
Delta Grow 4860RR	79.3	41.4	54.3	35.4	56.1	66.9	44.3	54.0
Delta Grow 4950RR	70.1	44.8	44.7	33.5	62.5	55.5	41.1	50.3
Delta King 4868RR	72.7	41.2	48.5	36.6	59.3	69.1	39.6	52.4
Delta King 4965RR	64.2	40.5	45.8	32.2	53.4	52.1	41.6	47.1
Delta King XTJ048RR	76.2	44.0	56.0	37.9	55.3	66.4	45.1	54.4
Delta King XTJ302RR	72.5	40.4	48.4	32.1	59.8	65.3	37.5	50.9
Delta King XTJ488RR	75.2	42.3	51.6	28.4	56.1	63.8	35.6	50.4
Deltapine DPX4933RR	72.0	*	*	*	*	56.9	*	*
Deltapine DPX99-328	73.2	*	*	*	*	57.6	*	*
Deltapine SG498RR	69.2	41.9	44.2	33.5	55.0	56.8	44.9	49.4
Dixie 4803	71.4	45.5	44.2	32.0	57.7	59.6	34.1	49.2
DT98-7278	81.7	*	*	*	*	73.8	*	*
DT98-9102	79.2	*	*	*	*	64.3	*	*
Dyna Gro 3484NRR	72.2	48.3	51.6	35.2	57.2	55.8	33.7	50.6
ES Prairie RRI	66.3	38.5	36.9	30.6	48.9	55.2	33.9	44.3
FFR 4900RR	65.3	46.0	47.9	35.5	50.5	52.0	34.6	47.4
Garst D484RR/N	72.4	40.8	50.0	37.4	52.6	56.7	41.3	50.2
Garst XC49Y30	64.7	*	*	*	*	51.6	*	*
Garst XR49N49	67.4	*	*	*	*	60.7	*	*
Golden Harvest 4850RR	70.7	51.0	48.6	35.2	52.6	52.8	37.3	49.7
Hartz H4884RR	73.0	46.8	51.7	37.7	57.2	58.4	30.0	50.7
HBK 4891	74.1	50.2	49.4	33.7	64.1	66.3	39.6	53.9
HBK 4944CX	65.5	41.3	48.8	33.6	56.6	57.1	41.0	49.1
HBK R4820	74.7	41.5	48.5	35.2	64.6	64.1	39.4	52.6
HBK R4920	67.6	47.8	46.6	34.1	58.8	62.8	37.0	50.7
HBK R4922	70.7	47.0	50.8	38.7	52.9	61.1	37.6	51.3
Manokin	56.7	50.2	34.0	28.5	50.5	58.5	48.5	46.7
Morsoy RT4809	73.8	39.9	51.1	35.6	67.8	62.1	42.1	53.2
Morsoy RT4802	79.1	43.8	52.8	32.8	56.6	68.6	43.2	53.8
MPV 4802NRR	57.8	39.8	40.9	28.9	55.3	46.1	42.1	44.4
NK Brand X248R	76.6	48.5	50.2	33.6	57.7	63.4	40.5	52.9
Pioneer Variety 9492	75.6	43.3	52.2	38.1	60.4	62.3	40.3	53.2
Progeny 4858RR	71.3	44.8	54.7	37.2	60.4	58.9	39.3	52.4
Progeny 4910	75.1	49.1	44.6	32.8	59.6	62.6	36.7	51.5
Progeny 4932RR	72.5	47.9	50.6	36.8	57.7	51.5	39.9	51.0
R98-1817	78.0	49.1	48.0	37.7	64.1	73.1	57.0	58.1
Southern States SS495	71.9	52.4	40.2	33.2	60.9	59.9	41.1	51.4
Southern States RT4902N	68.1	47.8	50.0	34.9	57.7	58.0	47.3	52.0
Southern States RT4980	68.3	44.7	43.0	32.1	56.6	60.8	29.3	47.8
Southern States RT5001N	70.0	44.0	47.0	37.8	53.4	52.3	51.8	50.9
Southern States RT517N	70.2	50.2	42.8	36.0	52.5	63.2	44.2	51.3

Table 6. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2002¹, continued.

Brand/Hybrid	Keiser ²	Keiser	Mar.	Mar.	Stuttgart	Rohwer	Burton	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	Non.	
-----bu/A-----								
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) continued</u>								
Terral TV4886RR	66.2	38.7	48.7	37.4	52.6	49.0	36.4	47.0
Terral TV4890RR	71.3	45.3	53.8	33.5	49.7	56.3	37.5	49.6
Terral TVX49CN201	62.0	37.7	50.5	34.8	62.0	56.2	38.6	48.8
USG 7489RR	67.9	49.1	45.8	32.0	59.3	60.8	38.6	50.5
USG 7499nRR	71.6	44.8	50.0	33.6	55.6	55.2	36.7	49.6
Grand mean	71.2	44.8	48.2	34.4	57.1	59.6	39.9	50.7
LSD (5%)	5.5	7.1	4.6	5.0	8.4	7.6	11.8	.
C.V. (%)	4.8	9.7	5.8	9.0	9.1	7.9	18.2	.
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>								
99VPI-120	65.2	47.2	41.9	22.5	57.2	67.2	43.8	49.3
99VPI-67	69.4	50.4	41.9	23.9	58.0	61.3	45.3	50.0
Anand	78.1	58.4	54.2	29.7	60.4	77.9	51.2	58.6
Armor 52-C2	70.2	55.3	57.8	27.2	57.7	66.1	47.7	54.6
Armor 53-K3	67.1	49.8	47.9	22.7	57.7	61.3	49.7	50.9
Armor 54-Z4	69.4	51.7	38.8	20.9	55.6	65.6	50.8	50.4
ASGROW AG5301	72.0	49.0	57.7	23.2	57.2	67.5	50.4	53.9
ASGROW AG5427	85.9	51.5	55.5	25.1	59.3	73.3	53.7	57.8
ASGROW AG5501	79.3	59.0	52.6	27.2	60.9	64.0	44.0	55.3
AXR 5135	66.6	48.7	30.2	19.2	50.0	54.4	46.0	45.0
Croplan Genetics RC5252	66.3	42.1	50.1	21.9	54.5	57.6	47.0	48.5
Croplan Genetics RC5332	73.5	49.6	44.3	21.9	54.5	67.6	45.5	51.0
Croplan Genetics RC5454	70.5	48.4	42.7	17.2	57.4	73.7	47.8	51.1
Delsoy 5500	67.1	52.6	54.8	28.7	56.6	57.7	49.2	52.4
Delta Grow 5250RR	67.4	47.8	48.6	21.7	50.8	56.9	51.5	49.2
Delta Grow 5350RR	75.9	53.5	37.2	18.8	56.1	65.0	41.4	49.7
Delta Grow 5450RR	70.9	55.0	45.4	21.7	59.3	64.8	45.9	51.9
Delta Grow 5530	69.5	53.6	45.6	25.7	58.8	71.9	45.3	52.9
Delta King 5366RR	76.5	62.9	50.0	21.9	61.4	79.8	39.5	56.0
Delta King 5465RR	73.4	50.0	47.9	29.3	59.8	68.2	43.9	53.2
Delta King XTJ051RR	68.4	40.6	51.9	22.1	51.3	62.7	44.5	48.8
Delta King XTJ053RR	68.2	53.8	40.1	21.6	52.9	58.8	46.3	48.8
Delta King XTJ055RR	66.3	52.0	41.5	21.0	48.6	57.3	41.9	46.9
Delta King XTJ303RR	77.0	59.6	46.8	26.3	57.7	74.1	42.4	54.8
Deltapine DP5110S	76.6	59.6	51.0	26.3	57.7	69.6	51.1	56.0
Deltapine DP5414RR	73.3	58.7	48.7	28.4	56.6	70.2	43.6	54.2
DT97-6308	76.4	*	*	*	*	61.5	*	*
Dyna Gro 3521NRR	66.5	46.0	48.4	18.5	54.0	55.7	46.8	48.0
Dyna Gro 3535NRR	75.9	59.4	51.4	19.6	63.6	77.2	41.5	55.5
Dyna Gro 3518NRR	70.8	55.2	38.8	15.4	55.6	51.2	51.1	48.3
Dyna Gro 3543NRR	75.9	47.2	50.5	25.9	58.8	68.2	48.1	53.5

Table 6. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2002¹, continued.

Brand/Hybrid	Keiser ²	Keiser	Mar.	Mar.	Stuttgart	Rohwer	Burton	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	Non.	
-----bu/A-----								
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) continued</u>								
ES Punch RR	63.5	49.4	37.8	25.5	50.2	54.2	37.4	45.4
ES Ranger RR	67.5	46.4	49.5	20.8	58.8	63.0	47.5	50.5
FFR 5225RR	75.9	47.3	47.6	18.5	56.1	66.4	41.3	50.4
Garst 5512RRN	69.5	57.1	39.1	17.2	56.9	68.5	44.2	50.4
Garst XR53N91	75.0	*	*	*	*	59.5	*	*
Garst XRS53N64	67.3	*	*	*	*	62.3	*	*
Golden Harvest 5492RR	68.0	54.5	51.0	23.8	54.8	62.0	49.0	51.9
Hartz H5223RR	68.1	55.9	49.8	25.0	55.6	58.6	49.3	51.8
Hartz H5444RR	72.6	55.5	50.5	21.5	58.8	68.3	48.3	53.6
HBK R5101	49.3	40.2	39.3	22.7	47.3	49.5	37.2	40.8
HBK R5422	70.8	51.5	40.5	22.8	54.0	60.4	46.0	49.4
Hutcheson	70.3	60.2	43.6	23.3	58.2	65.0	49.1	52.8
KS5502N	69.9	46.3	51.6	24.2	57.7	58.0	43.3	50.1
Morsoy RT5252	77.1	58.8	55.0	23.1	59.3	66.4	52.5	56.0
Morsoy RT5440	71.0	53.7	44.6	25.5	56.4	72.6	47.1	53.0
Morsoy RT5442	68.5	52.9	45.1	20.9	53.7	58.8	55.4	50.8
MPV 5302NRR	65.2	51.5	47.5	23.6	57.7	63.1	45.4	50.6
MPV 5502NRR	69.9	50.8	45.0	21.1	58.8	56.4	37.9	48.6
NK Brand S52-U3	73.4	56.5	53.6	23.2	61.4	67.2	46.3	54.5
Pioneer Brand 95B32	74.1	53.6	48.1	25.5	60.4	61.1	47.5	52.9
Pioneer Brand 95B42	72.9	49.6	45.8	23.7	59.8	65.0	45.6	51.8
Pioneer Brand 95B43	72.6	51.1	49.6	26.2	60.4	62.7	48.1	53.0
Progeny 5001RR	58.2	45.4	44.8	23.4	47.6	43.4	40.1	43.3
Progeny 5120N	71.0	50.6	51.6	22.1	56.4	58.5	46.0	50.9
Progeny 5250RR	77.7	57.2	43.7	22.6	54.0	66.3	52.9	53.5
Progeny 5415RR	66.9	50.8	42.3	21.4	54.5	74.7	50.4	51.6
Progeny 5440RR	72.7	51.7	45.7	20.1	53.2	64.5	38.4	49.5
Progeny 5580RR	70.5	45.3	43.0	20.6	56.1	56.0	41.4	47.6
R95-1705	66.0	52.8	40.2	21.0	52.6	56.1	47.1	48.0
R96-209	74.0	60.3	47.2	27.0	62.0	70.1	52.3	56.1
S99-2447-2RR	71.5	*	*	*	*	61.4	*	*
S99-2461RR	71.4	*	*	*	*	51.1	*	*
Southern States SS5200STS	76.7	57.7	47.6	22.5	58.5	73.0	48.6	54.9
Southern States RT5302N	73.1	50.6	46.8	22.9	55.0	66.3	36.5	50.2
Southern States RT540N	67.9	54.8	42.7	20.6	54.0	54.7	54.4	49.9
Southern States RT557N	63.4	56.6	41.2	28.8	57.2	57.2	48.6	50.4
Terral TV52R42	67.9	59.2	54.4	23.9	53.0	53.0	50.2	51.7
Terral TV5486RR	68.4	54.9	39.8	25.0	52.9	53.8	43.3	48.3
Terral TV54R11	73.9	48.9	46.6	19.7	52.6	62.2	47.0	50.1
USG 510NRR	65.8	51.4	54.0	22.1	53.2	54.4	47.3	49.7
USG 540NRR	74.2	45.7	48.6	20.9	53.4	73.9	47.4	52.0
USG 7522nRR	72.5	58.0	53.5	26.4	54.0	56.9	56.4	54.0
Grand mean	70.8	52.4	46.8	23.0	56.1	63.1	46.5	51.2
LSD (5%)	6.1	7.6	7.2	6.0	6.0	8.9	7.9	.
C.V. (%)	5.4	9.1	9.6	16.2	6.7	8.8	10.6	.

Table 6. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2002¹, continued.

Brand/Hybrid	Keiser ² Irr.	Keiser Non.	Mar. Irr.	Mar. Non.	Stuttgart Irr.	Rohwer Irr.	Burton Non.	Avg.
-----bu/A-----								
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>								
Armor 56-C4	77.3	51.0	50.5	34.4	67.3	69.1	39.3	55.6
Armor 56-J6	77.8	44.3	49.8	24.6	63.6	67.8	37.9	52.3
Armor 59-B9	61.8	47.1	49.0	29.2	56.6	55.5	38.2	48.2
ASGROW AG5603	69.6	41.9	50.7	30.9	62.0	63.2	42.0	51.5
ASGROW AG5701	71.4	43.5	50.3	31.1	63.6	63.8	36.0	51.4
ASGROW AG5903	79.9	51.1	54.0	29.2	68.9	66.6	44.4	56.3
Caviness	72.6	39.9	49.0	35.2	58.2	61.3	47.2	51.9
Croplan Genetics RC5892	68.2	*	*	*	*	58.7	*	*
Croplan Genetics RC5972	83.5	*	*	*	*	67.9	*	*
Delsoy 5710	68.8	41.7	43.7	23.8	52.4	52.2	33.1	45.1
Delta Grow 5630RR	75.3	47.3	42.2	27.2	60.9	66.8	40.8	51.5
Delta Grow 5950RR	69.1	44.0	39.8	31.8	55.6	56.0	36.9	47.6
Delta Grow 5960RR	74.9	45.6	54.9	37.9	65.2	74.2	45.9	56.9
Delta King 5661RR	78.5	41.6	50.7	29.4	56.6	66.1	34.9	51.1
Delta King 5668RR	80.3	44.9	52.9	29.7	66.0	62.2	43.4	54.2
Delta King 5850	72.9	49.1	36.9	27.9	55.0	67.6	43.4	50.4
Delta King 5961RR	69.3	52.5	39.8	27.0	58.8	51.0	30.7	47.0
Delta King 5995	76.4	48.7	49.4	32.1	62.0	69.0	42.9	54.4
Delta King XTJ057RR	79.0	42.8	50.9	30.8	56.6	63.3	36.2	51.4
Delta King XTJ059RR	78.6	45.3	53.6	31.3	64.1	72.0	42.3	55.3
Deltapine DP5806RR	72.3	44.5	44.2	27.4	55.0	57.4	32.6	47.6
Deltapine DP5915RR	79.7	45.1	53.6	34.7	65.7	68.3	41.1	55.5
Deltapine DPX5734RR	69.8	*	*	*	*	64.0	*	*
DT96-6840	68.6	44.2	47.0	29.6	63.0	63.9	40.5	51.0
Dyna Gro 3562NRR	77.7	48.7	55.3	30.1	59.3	66.0	36.9	53.4
Dyna Gro 3583NRR	80.0	51.0	53.6	37.4	58.8	69.6	45.6	56.6
Dyna Gro 3600NRR	67.2	51.4	49.2	28.4	55.0	54.3	35.3	48.7
ES Marshal RR	63.6	47.7	30.4	21.6	55.3	46.7	24.7	41.4
ES Trooper RR	64.3	45.9	39.3	21.6	57.0	47.5	30.3	43.7
Garst XR57N19	64.9	*	*	*	*	50.3	*	*
Garst XR59N24	68.7	*	*	*	*	54.7	*	*
Hartz H5887RR	77.1	48.6	55.3	32.6	58.8	64.8	39.1	53.8
HBK 5812	74.4	46.7	44.3	32.5	58.8	59.1	36.9	50.4
HBK 5991	63.3	52.9	51.4	28.7	60.9	56.2	41.7	50.7
HBK R5620	76.0	46.7	51.6	31.6	60.9	67.8	39.9	53.5
HBK R5820	64.7	46.5	49.2	27.0	51.3	53.7	37.6	47.1
HBK R6020	76.2	41.9	42.6	29.0	62.8	67.7	34.6	50.7
Morsoy RT5620	76.8	45.9	50.9	32.0	61.2	69.7	40.2	53.8
Morsoy RT5900	66.4	52.4	41.9	34.6	53.6	58.4	33.1	48.6
NK Brand S59-V6	68.7	45.7	46.3	27.2	58.2	54.7	38.1	48.4
Pioneer Brand 9594	74.8	49.9	47.9	29.0	59.3	60.2	45.8	52.4

Table 6. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2002¹, continued.

Brand/Hybrid	Keiser ²	Keiser	Mar.	Mar.	Stuttgart	Rohwer	Burton	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	Non.	
-----bu/A-----								
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>								
Pioneer Brand 95B96	68.8	48.7	45.2	28.2	58.8	59.8	40.6	50.0
Pioneer Brand 95B97	74.0	48.5	53.1	33.2	64.1	63.6	41.3	54.0
Progeny 5600	66.7	46.2	51.1	33.3	64.6	63.0	39.1	52.0
Progeny 5660RR	77.2	45.8	49.0	26.0	59.3	72.8	41.8	53.1
Progeny 5811RR	62.6	45.6	53.8	32.5	59.3	56.5	39.9	50.0
Progeny 5822RR	84.9	45.6	55.5	34.3	62.5	69.4	45.8	56.9
Progeny 5900RR	67.8	47.7	43.7	26.7	61.4	58.1	35.4	48.7
R92-1258	67.5	61.7	37.2	26.1	61.4	47.6	37.7	48.5
R95-2210	67.0	51.8	50.5	28.4	56.1	51.8	38.7	49.2
Southern States 597N	76.4	51.8	33.0	25.4	63.6	56.3	35.5	48.9
Southern States RT5702N	72.6	44.8	45.0	32.0	57.7	57.6	38.3	49.7
Southern States RT5999N	65.6	47.5	49.6	33.5	55.0	56.4	38.7	49.5
Southern States RT6202N	75.4	44.8	48.7	25.6	61.4	60.6	33.9	50.1
Terral TV5666RR	63.0	46.1	44.2	29.0	52.6	52.0	41.1	46.9
Terral TV56R11	77.7	43.1	49.8	30.0	58.2	67.7	36.7	51.9
Terral TV58R11	74.5	51.3	44.8	33.6	62.0	56.7	38.8	51.7
Terral TV59R85	66.1	52.6	49.0	30.1	54.0	57.0	37.6	49.5
Terral TV59R98	67.2	53.1	46.3	31.0	58.2	54.9	33.7	49.2
Terral TVX62R001	77.6	49.6	48.3	24.9	61.4	59.9	37.4	51.3
UARK-5896	58.4	46.3	34.1	29.8	55.6	56.9	39.2	45.8
USG 5601T	75.9	51.4	54.6	37.6	63.0	63.9	53.2	57.1
USG 570NRR	75.4	43.8	43.3	25.1	64.6	64.9	38.3	50.8
USG 7582nRR	72.1	47.6	51.4	35.4	58.2	72.7	45.9	54.8
Grand mean	72.1	47.3	47.5	30.0	59.7	61.1	39.0	51.0
LSD (5%)	9.8	10.1	5.9	6.3	6.1	6.9	5.8	.
C.V. (%)	8.5	13.1	7.6	13.0	6.3	7.1	9.1	.

¹ Keiser Irr. = Northeast Research and Extension Center, Irrigated.
 Keiser Nonirr. = Northeast Research and Extension Center, Nonirrigated.
 Mar. Irr. = Cotton Branch Station, Irrigated.
 Mar. Nonirr. = Cotton Branch Station, Nonirrigated.
 Stuttgart Irr. = Rice Research and Extension Center, Irrigated.
 Rohwer Irr. = Southeast Research and Extension Center - Rohwer Division, Irrigated.
 Burton Nonirr. = Burton Brothers Farm (Lafayette County), Nonirrigated.

² Yields may have increased at this location because plots were end-trimmed before the plants had matured.

* = Strains are tested only in Keiser Irrigated and Rohwer Irrigated tests.

Table 7. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002¹.

Brand/Cultivar	2002 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>							
Armor 44-R5	83.5	.	.	9-23	1.0	1.0	31
Delta King 4763RR	81.6	71.9	.	9-25	1.0	1.0	36
Morsoy RT4731	81.5	.	.	9-27	1.0	1.0	34
Pioneer 94B73	81.3	.	.	9-29	1.0	1.0	41
Deltapine DPX4527RR	80.5	.	.	9-28	1.0	1.0	34
Garst 4512RR/N	80.3	70.8	.	9-27	1.0	1.0	37
Garst 4312RR/STS/N	80.1	.	.	9-22	1.0	1.0	36
Deltapine 4748S	79.4	69.0	64.7	9-30	3.0	1.0	52
Armor 44-R4	79.4	69.9	.	9-29	1.0	1.0	39
Pioneer 94B74	79.4	.	.	9-28	2.0	1.0	45
Dyna Gro 3443NRR	78.8	70.9	.	9-27	1.0	1.0	40
Golden Harvest 4772RR	78.7	.	.	9-29	1.0	1.0	34
Delta King XTJ044RR	78.4	.	.	9-30	2.0	1.0	41
Armor 47-G7	78.1	67.5	.	9-29	2.0	1.0	38
ASGROW AG4201	78.1	.	.	9-25	1.0	1.0	36
Hartz H4454RR	77.6	68.1	.	9-25	1.0	1.0	39
ASGROW 4603	77.6	.	.	9-28	1.0	1.0	40
KS 4602N	77.4	.	.	9-28	1.0	1.0	34
ASGROW AG4403	76.9	68.8	59.5	9-26	1.0	1.0	42
Deltapine DPX4431RR	76.1	.	.	9-27	1.0	1.0	43
Golden Harvest 4534RR	75.8	.	.	9-25	1.0	1.0	40
Progeny 4401RR	75.6	.	.	9-28	1.0	1.0	40
Delta King XTJ301RR	75.3	.	.	9-27	1.0	1.0	42
Delta King 4461RR	75.2	68.6	.	9-29	1.0	1.0	39
Delta King XTJ040RR	75.2	.	.	9-24	1.0	1.0	37
HBK R4622	75.0	.	.	9-25	1.0	1.0	35
Morsoy RT4480	73.3	.	.	9-26	1.0	1.0	40
Deltapine DPX4727RR	72.8	.	.	9-25	1.0	1.0	38
Dyna Gro 3468NRR	72.7	62.9	57.9	9-24	1.0	1.0	38
MPV 4102NRR	72.6	.	.	9-24	1.0	1.0	32
Deltapine DP 4690RR	72.4	61.9	56.2	9-30	2.0	1.0	35
Southern States RT4502N	72.3	.	.	9-22	1.0	1.0	41
KS 4202	71.6	.	.	9-23	1.0	1.0	40
Southern States RT446N	70.3	.	.	9-25	2.0	1.0	43
Delta King XTJ046RR	69.5	.	.	9-22	1.0	1.0	38
Terral TV4589RR	67.9	62.4	55.9	9-21	1.0	1.0	41
Progeny 4303RR	67.2	.	.	9-26	2.0	1.0	45
Delta King 4762 RR	66.2	59.3	55.9	10-02	3.0	1.0	52
Grand mean	75.9	.	.	9-26	1.3	1.0	39
LSD (5%)	7.1	.	.	n s	n s	n s	.
C.V. (%)	5.8	.	.	.	.	.	.

Table 7. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002¹, Continued.

Brand/Cultivar	2002 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>							
DT98-7278	81.7	.	.	9-27	4.0	1.0	41
ASGROW AG4902	79.7	68.6	60.9	9-30	1.0	1.0	41
Delta Grow 4860RR	79.3	.	.	9-28	2.0	1.0	49
DT98-9102	79.2	.	.	9-27	1.0	1.0	33
Morsoy RT4802	79.1	.	.	9-27	2.0	1.0	40
R98-1817	78.0	.	.	9-30	1.0	1.0	30
NK Brand X248R	76.6	.	.	10-02	2.0	1.0	47
Delta King XTJ048RR	76.2	.	.	9-25	1.0	1.0	39
Pioneer Variety 9492	75.6	65.0	58.6	9-27	1.0	1.0	45
Delta King XTJ488RR	75.2	.	.	9-22	1.0	1.0	33
Progeny 4910	75.1	64.2	.	10-01	2.0	1.0	46
HBK R4820	74.7	66.5	.	9-29	1.0	1.0	43
HBK 4891	74.1	65.8	.	9-22	3.0	1.0	42
Morsoy RT 4809	73.8	65.9	60.5	9-29	1.0	1.0	42
Deltapine DPX99-328	73.2	.	.	9-29	1.0	1.0	48
Hartz H4884RR	73.0	63.4	57.3	10-02	2.0	1.0	47
Delta King 4868RR	72.7	65.4	61.9	9-25	1.0	1.0	38
Delta King XTJ302RR	72.5	.	.	9-30	1.0	1.0	41
Progeny 4932RR	72.5	.	.	9-28	2.0	1.0	47
Garst D484RR/N	72.4	.	.	9-30	3.0	1.0	46
Dyna Gro 3484NRR	72.2	62.8	57.4	10-02	1.0	1.0	43
Deltapine DPX4933RR	72.0	.	.	9-28	1.0	1.0	49
Southern States SS495	71.9	.	.	9-29	1.0	1.0	50
USG 7499nRR	71.6	.	.	10-02	2.0	1.0	45
Dixie 4803	71.4	60.4	52.6	9-29	2.0	1.0	46
Terral TV4890 RR	71.3	60.6	52.0	9-20	2.0	1.0	45
Progeny 4858RR	71.3	62.0	.	9-29	2.0	1.0	47
HBK R4922	70.7	.	.	9-27	2.0	1.0	52
Golden Harvest 4850RR	70.7	.	.	9-30	2.0	1.0	48
Southern States RT517N	70.2	.	.	9-30	1.0	1.0	39
Delta Grow 4950RR	70.1	59.8	.	9-29	2.0	1.0	45
Southern States RT5001N	70.0	.	.	9-28	1.0	1.0	40
Deltapine SG 498RR	69.2	58.5	55.7	9-30	1.0	1.0	41
Southern States RT4980	68.3	59.7	56.5	9-29	3.0	1.0	45
Southern States RT4902N	68.1	.	.	9-27	2.0	2.0	44
USG 7489RR	67.9	58.4	.	9-29	2.0	1.0	46
HBK R4920	67.6	60.2	55.4	9-29	3.0	1.0	46
Garst XR49N49	67.4	.	.	9-28	1.0	1.0	49
ES Prairie RRI	66.3	54.6	53.8	9-30	3.0	1.0	45
Terral TV4886RR	66.2	57.9	54.1	9-28	2.0	1.0	50
HBK 4944CX	65.5	.	.	9-21	3.0	1.0	46
FFR 4900RR	65.3	57.8	.	9-29	1.0	1.0	43

Table 7. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002¹, Continued.

Brand/Cultivar	2002 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>							
Garst XC49Y30	64.7	.	.	9-30	3.0	1.0	51
Delta King 4965 RR	64.2	56.3	51.6	10-01	1.0	1.0	48
Terral TVX49CN201	62.0	.	.	9-22	3.0	2.0	53
MPV 4802NRR	57.8	.	.	9-28	3.0	1.0	45
Manokin	56.7	53.8	50.8	9-25	2.0	1.0	38
Grand mean	71.2	.	.	9-28	1.8	1.0	44
LSD (5%)	5.5	.	.	n s	n s	n s	.
C.V. (%)	4.8	.	.	.	.	.	.
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
ASGROW A5427	85.9	.	.	10-06	1.0	1.0	33
ASGROW AG5501	79.3	68.0	66.2	10-06	1.0	1.0	39
Anand	78.1	72.6	67.7	10-11	1.0	1.0	35
Progeny 5250RR	77.7	.	.	10-05	1.0	1.0	31
Morsoy RT5252	77.1	.	.	10-09	1.0	1.0	34
Delta King XTJ303RR	77.0	.	.	10-10	2.0	1.0	44
Southern States SS5200STS	76.7	59.1	.	10-05	3.0	1.0	53
Deltapine DP5110S	76.6	68.3	.	10-06	2.0	1.0	53
Delta King 5366RR	76.5	71.2	72.2	10-18	2.0	1.0	38
DT97-6308	76.4	.	.	10-05	1.0	1.0	33
Dyna Gro 3535NRR	75.9	69.4	67.8	10-07	2.0	1.0	38
Dyna Gro 3543NRR	75.9	65.1	.	10-05	1.0	1.0	39
Delta Grow 5350RR	75.9	.	.	10-07	1.0	1.0	44
FFR 5225RR	75.9	.	.	10-05	1.0	1.0	39
Garst XR53N91	75.0	.	.	10-07	1.0	1.0	41
USG 540NRR	74.2	65.9	.	10-07	1.0	1.0	38
Pioneer Brand 95B32	74.1	68.5	66.9	10-03	1.0	1.0	31
R96-209	74.0	67.8	66.0	10-05	2.0	1.0	38
Terral TV54R11	73.9	64.7	.	10-05	1.0	1.0	39
Croplan Genetics RC5332	73.5	.	.	10-06	1.0	1.0	37
Delta King 5465RR	73.4	64.0	65.5	10-04	1.0	1.0	33
NK Brand S52-U3	73.4	.	.	10-05	2.0	1.0	32
Deltapine DP5414RR	73.3	62.2	61.7	10-09	2.0	1.0	49
Southern States RT5302N	73.1	.	.	10-06	1.0	1.0	39
Pioneer Brand 95B42	72.9	.	.	10-05	2.0	1.0	47
Progeny 5440RR	72.7	.	.	10-07	2.0	1.0	57
Hartz H5444RR	72.6	66.6	.	10-04	1.0	1.0	35
Pioneer Brand 95B43	72.6	.	.	10-05	1.0	1.0	40
USG 7522nRR	72.5	.	.	10-04	1.0	1.0	39
Asgrow AG5301	72.0	.	.	10-06	1.0	1.0	39
S99-2447-2RR	71.5	.	.	10-07	1.0	1.0	34

Table 7. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002¹, Continued.

Brand/Cultivar	2002 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 5.5 or Less) continued</u>							
S99-2461RR	71.4	.	.	10-07	1.0	1.0	37
Progeny 5120N	71.0	59.8	58.3	10-05	1.0	1.0	38
Morsoy RT5440	71.0	65.2	64.0	10-05	1.0	1.0	32
Delta Grow 5450RR	70.9	64.8	64.5	10-09	1.0	1.0	39
Dyna Gro 3518NRR	70.8	59.3	.	10-05	1.0	1.0	37
HBK R5422	70.8	.	.	10-07	1.0	1.0	39
Croplan Genetics RC5454	70.5	64.5	.	10-07	1.0	1.0	34
Progeny 5580RR	70.5	.	.	10-06	1.0	1.0	30
Hutcheson	70.3	63.2	64.6	10-06	1.0	1.0	36
Armor 52-C2	70.2	65.3	63.4	10-05	1.0	1.0	38
KS 5502N	69.9	.	.	10-06	1.0	1.0	35
MPV 5502NRR	69.9	.	.	10-07	1.0	1.0	38
Garst 5512RRN	69.5	61.8	.	10-07	1.0	1.0	41
Delta Grow 5530	69.5	.	.	10-09	3.0	1.0	41
Armor 54-Z4	69.4	64.6	.	10-07	1.0	1.0	39
99VPI-67	69.4	.	.	10-03	1.0	2.0	33
Morsoy RT5442	68.5	.	.	10-06	1.0	1.0	35
Terral TV5486RR	68.4	60.9	57.7	10-07	2.0	1.0	48
Delta King XTJ051RR	68.4	.	.	10-05	1.0	1.0	39
Delta King XTJ053RR	68.2	.	.	10-06	1.0	1.0	39
Hartz H5223RR	68.1	.	.	10-04	1.0	1.0	32
Golden Harvest 5492RR	68.0	.	.	10-06	1.0	1.0	38
Terral TV52R42	67.9	58.7	55.7	10-05	2.0	1.0	41
Southern States RT540N	67.9	.	.	10-06	1.0	1.0	41
ES Ranger RR	67.5	57.3	57.0	10-04	1.0	1.0	28
Delta Grow 5250RR	67.4	62.4	61.8	10-09	1.0	1.0	35
Garst XRS53N64	67.3	.	.	10-06	1.0	1.0	37
Delsoy 5500	67.1	58.9	61.5	10-06	2.0	1.0	35
Armor 53-K3	67.1	63.3	.	10-04	1.0	1.0	34
Progeny 5415RR	66.9	60.7	.	10-07	1.0	1.0	39
AXR 5135	66.6	.	.	10-10	1.0	1.0	51
Dyna Gro 3521NRR	66.5	61.4	62.2	10-10	1.0	1.0	33
Croplan Genetics RC5252	66.3	61.2	.	10-03	1.0	1.0	35
Delta King XTJ055RR	66.3	.	.	10-04	1.0	1.0	37
R95-1705	66.0	.	.	10-05	1.0	1.0	34
USG 510NRR	65.8	61.2	.	10-06	1.0	1.0	40
99VPI-120	65.2	.	.	10-06	1.0	1.0	33
MPV 5302NRR	65.2	.	.	10-06	1.0	1.0	39
ES Punch RR	63.5	57.0	55.2	10-07	1.0	1.0	43
Southern States RT557N	63.4	56.7	57.0	10-04	2.0	1.0	37
Progeny 5001RR	58.2	.	.	10-05	1.0	1.0	49
HBK R5101	49.3	.	.	10-05	1.0	1.0	51
Grand mean	70.8	.	.	10-06	1.2	1.0	39
LSD (5%)	6.1	.	.	n s	n s	n s	.

AAES Research Series 500. University of Arkansas, Division of Agriculture, Variety Testing Program.

Table 7. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002¹, Continued.

Brand/Cultivar	2002 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 5.6 to 5.9)</u>							
Progeny 5822RR	84.9	.	.	10-11	1.0	1.0	39
Croplan Genetics RC5972	83.5	.	.	10-12	1.0	1.0	40
Delta King 5668RR	80.3	69.0	67.4	10-08	1.0	1.0	34
Dyna Gro 3583NRR	80.0	.	.	10-11	1.0	1.0	42
ASGROW AG5903	79.9	.	.	10-12	2.0	1.0	38
Deltapine DP5915RR	79.7	70.7	65.9	10-15	1.0	1.0	38
Delta King XTJ057RR	79.0	.	.	10-10	2.0	1.0	44
Delta King XTJ059RR	78.6	.	.	10-11	1.0	1.0	41
Delta King 5661RR	78.5	69.2	68.0	10-10	1.0	1.0	43
Armor 56-J6	77.8	70.6	.	10-12	2.0	1.0	43
Dyna Gro 3562NRR	77.7	68.8	66.9	10-10	1.0	1.0	36
Terral TV56R11	77.7	69.3	.	10-18	2.0	1.0	39
Terral TVX62R001	77.6	.	.	10-16	1.0	1.0	36
Armor 56-C4	77.3	.	.	10-08	1.0	1.0	35
Progeny 5660RR	77.2	68.6	.	10-18	2.0	1.0	42
Hartz H5887RR	77.1	.	.	10-09	2.0	1.0	46
Morsoy RT5620	76.8	65.4	.	10-12	1.0	1.0	33
Delta King 5995	76.4	70.6	67.4	10-10	1.0	1.0	37
Southern States 597N	76.4	66.1	64.4	10-14	2.0	1.0	40
HBK R6020	76.2	64.2	59.2	10-15	2.0	1.0	44
HBK R5620	76.0	69.0	.	10-11	2.0	1.0	41
USG 5601T	75.9	69.5	.	10-09	1.0	1.0	38
USG 570NRR	75.4	68.2	.	10-12	1.0	1.0	39
Southern States RT6202N	75.4	.	.	10-22	1.0	1.0	36
Delta Grow 5630RR	75.3	65.4	64.8	10-14	2.0	1.0	41
Delta Grow 5960RR	74.9	.	.	10-12	1.0	1.0	40
Pioneer Brand 9594	74.8	67.4	69.5	10-10	2.0	1.0	40
Terral TV58R11	74.5	63.8	.	10-15	2.0	1.0	40
HBK 5812	74.4	62.7	.	10-10	3.0	1.0	49
Pioneer Brand 95B97	74.0	67.5	.	10-14	2.0	1.0	38
Delta King 5850	72.9	63.6	63.7	10-06	1.0	1.0	37
Caviness	72.6	64.7	59.7	10-05	3.0	1.0	41
Southern States RT5702N	72.6	.	.	10-07	1.0	1.0	49
Deltapine DP 5806RR	72.3	62.3	59.8	10-19	2.0	1.0	41
USG 7582nRR	72.1	.	.	10-10	1.0	1.0	41
ASGROW AG5701	71.4	62.4	63.4	10-10	1.0	1.0	39
Deltapine DPX5734RR	69.8	.	.	10-17	1.0	1.0	38
ASGROW AG5603	69.6	64.6	.	10-11	1.0	1.0	37
Delta King 5961RR	69.3	58.4	55.2	10-23	1.0	1.0	44
Delta Grow 5950RR	69.1	60.3	59.8	10-13	2.0	1.0	46
Delsoy 5710	68.8	56.9	.	10-08	1.0	1.0	42
Pioneer Brand 95B96	68.8	65.0	.	10-12	1.0	1.0	40
NK Brand S59-V6	68.7	61.5	60.0	10-10	1.7	1.0	41

Table 7. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002¹, Continued.

Brand/Cultivar	2002 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 5.6 to 5.9) continued</u>							
Garst XR59N24	68.7	.	.	10-12	2.0	1.0	42
DT96-6840	68.6	61.8	61.8	10-10	3.0	1.0	38
Croplan Genetics RC5892	68.2	.	.	10-11	1.0	1.0	44
Progeny 5900RR	67.8	61.4	59.9	10-19	1.0	2.0	42
R92-1258	67.5	58.4	55.2	10-22	1.0	1.0	41
Terral TV59R98	67.2	57.4	.	10-16	1.0	1.0	46
Dyna Gro 3600NRR	67.2	.	.	10-11	1.0	1.0	46
R95-2210	67.0	59.4	56.2	10-09	2.0	1.0	39
Progeny 5600	66.7	60.8	61.6	10-04	2.0	1.0	36
Morsoy RT5900	66.4	62.0	61.4	10-15	1.0	1.0	41
Terral TV59R85	66.1	59.8	58.3	10-14	1.0	1.0	46
Southern States RT5999N	65.6	57.4	54.4	10-11	1.0	1.0	47
Garst XR57N19	64.9	.	.	10-11	1.0	1.0	43
HBK R5820	64.7	57.2	.	10-14	1.0	1.0	44
ES Trooper RR	64.3	54.7	57.3	10-14	2.0	1.0	40
ES Marshal RR	63.6	56.2	.	10-22	1.0	1.0	45
HBK 5991	63.3	59.2	62.0	10-12	1.0	1.0	35
Terral TV5666RR	63.0	56.1	54.7	10-09	2.0	1.0	39
Progeny 5811RR	62.6	.	.	10-15	1.0	1.0	43
Armor 59-B9	61.8	54.4	.	10-15	1.0	1.0	42
UARK-5896	58.4	57.1	55.1	10-09	1.0	1.0	41
Grand mean	72.1	.	.	10-12	1.4	1.0	41
LSD (5%)	9.8	.	.	1	0.1	n s	.
C.V. (%)	8.5	.	.	0	5.1	.	.

¹ Yields may have increased at this location because plots were end-trimmed before the plants had matured.

Soil Series..... Sharkey clay
 Previous Crop..... Grain sorghum
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-22-02
 Herbicide Application..... 0.5 lb./A Sencor + 1.0 pt./A Prowl + 1.5 pts./A Gramoxone, 5-24-02
 1.5 pts./A Flexstar + 8 oz./A Select, 6-17-02, 0.8 pt./A Cobra + 8 oz./A Select
 Insecticide Application..... 0.5 gal./A Asana, 6-17-02
 Irrigation Dates..... 7-01-02, 7-08-02, 7-24-02, 8-05-02, 9-06-02
 Harvest Dates..... MG4 Early: 10-02-02
 MG4 Late: 10-06-02
 MG5 Early: 10-16-02
 MG5 Late:10-27-02, 11-02-02

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2002	0.1	5.7	3.4	2.0	5.9	5.3	4.6	27.0
Average	5.0	5.2	4.0	3.7	2.9	3.9	3.0	27.8
Departure	-4.9	+0.5	-0.6	-1.7	+3.0	+1.4	+1.6	-0.8

Table 8. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002.

Brand/Cultivar	2002 bu/A	2-Year Maturity Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>						
Pioneer 94B73	59.0	.	9-24	1.0	1.0	31
Deltapine 4748S	56.6	40.3	9-30	1.0	1.0	38
Armor 47-G7	56.6	38.5	9-20	1.0	1.0	30
Delta King 4763RR	55.9	38.8	9-27	1.0	1.0	32
Morsoy RT4731	54.4	.	9-29	1.0	1.0	24
Deltapine DP 4690RR	54.2	35.4	9-27	1.0	1.0	32
Dyna Gro 3443NRR	54.2	37.6	9-28	1.0	1.0	28
KS 4602N	53.3	.	9-27	1.0	1.0	31
Golden Harvest 4772RR	52.8	.	9-23	1.0	1.0	29
ASGROW 4603	52.6	.	9-29	1.0	1.0	29
Golden Harvest 4534RR	52.4	.	9-21	1.0	1.0	26
Progeny 4401RR	51.9	.	9-23	1.0	1.0	29
Hartz H4454RR	51.4	35.1	9-23	1.0	1.0	29
Southern States RT4502N	51.4	.	9-20	1.0	1.0	37
Delta King 4461RR	50.6	35.2	9-27	1.0	1.0	26
Armor 44-R4	50.6	36.3	9-24	1.0	1.0	29
ASGROW AG4403	50.5	36.4	9-23	1.0	1.0	29
Garst 4512RR/N	49.2	.	9-21	1.0	1.0	28
Delta King XTJ301RR	48.7	.	9-25	1.0	1.0	29
Delta King 4762 RR	48.5	33.6	9-28	1.0	1.0	37
Dyna Gro 3468NRR	47.8	34.9	9-29	1.0	1.0	27
Southern States RT446N	47.7	.	9-21	1.0	2.0	31
Morsoy RT4480	47.4	.	9-23	1.0	1.0	30
ASGROW AG4201	47.2	.	9-27	1.0	1.0	28
Pioneer 94B74	45.8	.	9-25	1.0	1.0	32
Delta King XTJ044RR	45.8	.	9-21	1.0	1.0	31
KS 4202	44.9	.	9-23	1.0	1.0	25
Delta King XTJ046RR	44.9	.	9-23	1.0	1.0	30
Garst 4312RR/STS/N	44.9	.	9-20	1.0	1.0	27
Terral TV4589RR	44.5	32.5	9-25	1.0	1.0	29
Delta King XTJ040RR	43.2	.	9-21	1.0	2.0	30
MPV 4102NRR	43.2	.	9-23	1.0	1.0	25
Progeny 4303RR	42.1	.	9-25	1.0	1.0	30
HBK R4622	38.8	.	9-27	1.0	1.0	27
Grand mean	49.5	.	9-24	1.0	1.1	30
LSD (5%)	7.6	.	n s	n s	n s	.
C.V. (%)	9.5	.	.	.	.	.

Table 8. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year Maturity Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>						
Southern States SS495	52.4	.	9-29	1.0	1.0	35
Golden Harvest 4850RR	51.0	.	9-30	1.0	1.0	33
Manokin	50.2	37.1	9-29	1.0	1.0	27
HBK 4891	50.2	36.2	9-22	1.0	1.0	35
Southern States RT517N	50.2	.	9-29	1.0	1.0	29
Progeny 4910	49.1	35.2	9-28	1.0	1.0	35
USG 7489RR	49.1	33.1	9-24	1.0	2.0	42
R98-1817	49.1	.	9-29	1.0	1.0	26
NK Brand X248R	48.5	.	9-29	1.0	1.0	30
Dyna Gro 3484NRR	48.3	34.2	9-28	1.0	1.0	34
Progeny 4932RR	47.9	.	9-29	1.0	1.0	38
HBK R4920	47.8	32.9	9-24	1.0	2.0	34
Southern States RT4902N	47.8	.	9-29	1.0	1.0	36
HBK R4922	47.0	.	9-26	1.0	1.0	36
Hartz H4884RR	46.8	33.0	9-29	1.0	1.0	38
ASGROW AG4902	46.4	33.6	9-28	1.0	1.0	28
FFR 4900RR	46.0	33.6	10-01	1.0	1.0	34
Dixie 4803	45.5	30.6	9-25	1.0	3.0	31
Terral TV4890 RR	45.3	33.2	9-23	1.0	1.0	37
Delta Grow 4950RR	44.8	32.9	9-24	1.0	1.0	35
Progeny 4858RR	44.8	32.3	9-28	1.0	1.0	42
USG 7499nRR	44.8	.	9-30	1.0	1.0	33
Southern States RT4980	44.7	30.6	9-24	1.0	1.0	31
Delta King XTJ048RR	44.0	.	9-21	1.0	1.0	32
Southern States RT5001N	44.0	.	9-30	1.0	1.0	33
Morsoy RT4802	43.8	.	9-22	1.0	1.0	32
Pioneer Variety 9492	43.3	32.4	9-25	1.0	1.0	33
Delta King XTJ488RR	42.3	.	9-23	1.0	1.0	25
Deltapine SG 498RR	41.9	33.3	9-30	1.0	1.0	24
HBK R4820	41.5	30.0	9-26	1.0	1.0	29
Delta Grow 4860RR	41.4	.	9-25	1.0	1.0	29
HBK 4944CX	41.3	.	9-20	1.0	2.0	42
Delta King 4868RR	41.2	32.2	9-27	1.0	1.0	31
Garst D484RR/N	40.8	.	9-30	1.0	1.0	34
Delta King 4965 RR	40.5	31.2	9-24	1.0	1.0	31
Delta King XTJ302RR	40.4	.	9-24	1.0	1.0	28
Morsoy RT 4809	39.9	30.3	9-28	1.0	1.0	29
MPV 4802NRR	39.8	.	9-27	1.0	1.0	28
Terral TV4886RR	38.7	28.2	9-29	1.0	1.0	28
ES Prairie RRI	38.5	28.0	10-01	1.0	1.0	38
Terral TVX49CN201	37.7	.	9-23	1.0	1.0	37
Grand mean	44.8	.	9-27	1.0	1.1	33
LSD (5%)	7.1	.	n s	n s	n s	.
C.V. (%)	9.7	.	.	.	.	.

AAES Research Series 500. University of Arkansas, Division of Agriculture, Variety Testing Program.

Table 8. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>					
Delta King 5366RR	62.9	10-03	1.0	1.0	35
R96-209	60.3	9-28	1.0	1.0	37
Hutcheson	60.2	10-02	1.0	1.0	29
Deltapine DP5110S	59.6	9-30	1.0	1.0	45
Delta King XTJ303RR	59.6	10-06	1.0	1.0	31
Dyna Gro 3535NRR	59.4	10-04	1.0	1.0	33
Terral TV52R42	59.2	10-03	1.0	1.0	42
ASGROW AG5501	59.0	10-05	1.0	1.0	30
Morsoy RT5252	58.8	9-29	1.0	1.0	34
Deltapine DP5414RR	58.7	10-01	1.0	1.0	38
Anand	58.4	10-01	1.0	1.0	28
USG 7522nRR	58.0	9-30	1.0	1.0	35
Southern States SS5200STS	57.7	9-30	1.0	1.0	28
Progeny 5250RR	57.2	10-01	1.0	1.0	28
Garst 5512RRN	57.1	9-30	1.0	1.0	28
Southern States RT557N	56.6	9-29	1.0	1.0	39
NK Brand S52-U3	56.5	9-30	1.0	1.0	32
Hartz H5223RR	55.9	9-30	1.0	1.0	34
Hartz H5444RR	55.5	10-02	1.0	1.0	32
Armor 52-C2	55.3	10-02	1.0	1.0	29
Dyna Gro 3518NRR	55.2	10-04	1.0	1.0	35
Delta Grow 5450RR	55.0	9-30	1.0	1.0	35
Terral TV5486RR	54.9	10-02	1.0	1.0	45
Southern States RT540N	54.8	9-30	1.0	1.0	32
Golden Harvest 5492RR	54.5	9-30	1.0	1.0	30
Delta King XTJ053RR	53.8	9-30	1.0	1.0	29
Morsoy RT5440	53.7	9-29	1.0	1.0	32
Pioneer Brand 95B32	53.6	9-30	1.0	1.0	37
Delta Grow 5530	53.6	10-04	1.0	1.0	35
Delta Grow 5350RR	53.5	9-29	1.0	1.0	37
Morsoy RT5442	52.9	9-30	1.0	1.0	32
R95-1705	52.8	10-03	1.0	1.0	30
Delsoy 5500	52.6	9-28	1.0	1.0	30
Delta King XTJ055RR	52.0	9-28	1.0	1.0	30
Armor 54-Z4	51.7	10-01	1.0	1.0	34
Progeny 5440RR	51.7	9-27	1.0	1.0	42
ASGROW A5427	51.5	10-02	1.0	1.0	26
HBK R5422	51.5	9-30	1.0	1.0	31
MPV 5302NRR	51.5	9-30	1.0	1.0	30
USG 510NRR	51.4	9-29	1.0	1.0	34
Pioneer Brand 95B43	51.1	9-29	1.0	1.0	34
Progeny 5415RR	50.8	9-28	1.0	1.0	31

Table 8. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) continued</u>					
MPV 5502NRR	50.8	10-01	1.0	1.0	32
Progeny 5120N	50.6	9-29	1.0	1.0	36
Southern States RT5302N	50.6	9-30	1.0	1.0	30
99VPI-67	50.4	9-28	1.0	1.0	33
Delta King 5465RR	50.0	10-01	1.0	1.0	30
Armor 53-K3	49.8	10-02	1.0	1.0	32
Croplan Genetics RC5332	49.6	9-30	1.0	1.0	36
Pioneer Brand 95B42	49.6	9-30	1.0	1.0	35
ES Punch RR	49.4	10-02	1.0	1.0	38
ASGROW AG5301	49.0	10-01	1.0	1.0	32
Terral TV54R11	48.9	9-29	1.0	1.0	32
AXR 5135	48.7	10-01	1.0	1.0	37
Croplan Genetics RC5454	48.4	9-28	1.0	1.0	30
Delta Grow 5250RR	47.8	9-29	1.0	1.0	34
FFR 5225RR	47.3	9-27	1.0	1.0	35
Dyna Gro 3543NRR	47.2	10-01	1.0	1.0	24
99VPI-120	47.2	10-04	1.0	1.0	31
ES Ranger RR	46.4	9-27	1.0	1.0	31
KS 5502N	46.3	10-02	1.0	1.0	31
Dyna Gro 3521NRR	46.0	9-28	1.0	1.0	29
USG 540NRR	45.7	9-29	1.0	1.0	31
Progeny 5001RR	45.4	9-29	1.0	1.0	38
Progeny 5580RR	45.3	10-06	1.0	1.0	33
Croplan Genetics RC5252	42.1	9-28	1.0	1.0	34
Delta King XTJ051RR	40.6	9-27	1.0	1.0	31
HBK R5101	40.2	9-26	1.0	1.0	39
Grand mean	52.4	9-30	1.0	1.0	33
LSD (5%)	7.6	n s	n s	n s	.
C.V. (%)	9.1	.	.	.	.

Table 8. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>						
R92-1258	61.7	.	10-18	1.0	1.0	35
Terral TV59R98	53.1	36.9	10-13	1.0	1.0	40
HBK 5991	52.9	38.3	10-07	1.0	1.0	29
Terral TV59R85	52.6	34.2	10-09	1.0	1.0	34
Delta King 5961RR	52.5	34.3	10-18	1.0	1.0	32
Morsoy RT5900	52.4	35.3	10-11	1.0	1.0	37
R95-2210	51.8	38.0	10-04	1.0	1.0	30
Southern States 597N	51.8	35.3	10-10	1.0	1.0	34
USG 5601T	51.4	.	10-05	1.0	1.0	35
Dyna Gro 3600NRR	51.4	.	10-07	1.0	1.0	37
Terral TV58R11	51.3	36.1	10-11	1.0	1.0	37
ASGROW AG5903	51.1	.	10-08	1.0	1.0	34
Dyna Gro 3583NRR	51.0	.	10-06	1.0	1.0	30
Armor 56-C4	51.0	.	10-04	1.0	1.0	29
Pioneer Brand 9594	49.9	37.5	10-06	1.0	1.0	36
Terral TVX62R001	49.6	.	10-12	1.0	1.0	38
Delta King 5850	49.1	35.4	10-02	1.0	1.0	30
Delta King 5995	48.7	33.6	10-05	1.0	1.0	35
Dyna Gro 3562NRR	48.7	.	10-05	1.0	1.0	31
Pioneer Brand 95B96	48.7	36.2	10-08	1.0	1.0	31
Hartz H5887RR	48.6	.	10-04	1.0	1.0	32
Pioneer Brand 95B97	48.5	34.7	10-10	1.0	1.0	29
Progeny 5900RR	47.7	33.1	10-15	1.0	1.0	32
ES Marshal RR	47.7	31.5	10-18	1.0	1.0	38
USG 7582nRR	47.6	.	10-06	1.0	1.0	34
Southern States RT5999N	47.5	34.9	10-07	1.0	1.0	37
Delta Grow 5630RR	47.3	.	10-11	1.0	1.0	33
Armor 59-B9	47.1	33.3	10-11	1.0	1.0	35
HBK R5620	46.7	.	10-07	1.0	1.0	37
HBK 5812	46.7	33.9	10-06	1.0	1.0	38
HBK R5820	46.5	33.8	10-11	1.0	1.0	29
UARK-5896	46.3	35.0	10-05	1.0	1.0	36
Progeny 5600	46.2	.	9-28	1.0	1.0	31
Terral TV5666RR	46.1	.	10-05	1.0	1.0	36
Morsoy RT5620	45.9	.	10-07	1.0	1.0	31
ES Trooper RR	45.9	32.3	10-10	1.0	1.0	30
Progeny 5660RR	45.8	.	10-14	1.0	1.0	32
NK Brand S59-V6	45.7	34.1	10-05	1.0	1.0	32
Delta Grow 5960RR	45.6	.	10-08	1.0	1.0	32
Progeny 5822RR	45.6	.	10-07	1.0	1.0	36
Progeny 5811RR	45.6	.	10-11	1.0	2.0	37
Delta King XTJ059RR	45.3	.	10-07	1.0	1.0	34

Table 8. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year Maturity Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>						
Deltapine DP5915RR	45.1	34.2	10-11	1.0	1.0	30
Delta King 5668RR	44.9	.	10-03	1.0	1.0	30
Southern States RT5702N	44.8	.	10-03	1.0	2.0	33
Southern States RT6202N	44.8	.	10-18	1.0	1.0	39
Deltapine DP 5806RR	44.5	31.4	10-15	1.0	1.0	37
Armor 56-J6	44.3	.	10-08	1.0	1.0	33
DT96-6840	44.2	.	10-06	1.0	1.0	30
Delta Grow 5950RR	44.0	30.9	10-09	1.0	1.0	34
USG 570NRR	43.8	30.7	10-08	1.0	1.0	33
ASGROW AG5701	43.5	29.1	10-06	1.0	1.0	34
Terral TV56R11	43.1	.	10-14	1.0	1.0	33
Delta King XTJ057RR	42.8	.	10-06	1.0	1.0	28
ASGROW AG5603	41.9	.	10-07	1.0	1.0	30
HBK R6020	41.9	.	10-11	1.0	2.0	33
Delsoy 5710	41.7	29.1	10-04	1.0	1.0	34
Delta King 5661RR	41.6	.	10-05	1.0	1.0	30
Caviness	39.9	.	10-04	1.0	1.0	30
Grand mean	47.3	.	10-08	1.0	1.1	33
LSD (5%)	10.1	.	1	n s	n s	.
C.V. (%)	13.1	.	1	.	.	.

Soil Series..... Sharkey clay
 Previous Crop..... Grain sorghum
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-22-02
 Herbicide Application..... 0.5 lb./A Sencor + 1.0 pt./A Prowl + 1.5 pts./A Gramoxone, 5-24-02
 1.5 pts./A Flexstar + 8 oz./A Select, 6-17-02, 0.8 pt./A Cobra + 8 oz./A Select
 Insecticide Application..... 0.5 gal./A Asana, 6-17-02
 Harvest Dates..... MG4 Early: 10-01-02
 MG4 Late: 10-06-02
 MG5 Early: 10-09-02, 10-14-02
 MG5 Late: 10-24-02

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2002	0.1	5.7	3.4	2.0	5.9	5.3	4.6	27.0
Average	5.0	5.2	4.0	3.7	2.9	3.9	3.0	27.8
Departure	-4.9	+0.5	-0.6	-1.7	+3.0	+1.4	+1.6	-0.8

Table 9. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002.

Brand/Cultivar	2002 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 XTJ044RR	61.6	.	.	9-16	2.0	1.0	38
Pioneer 94B74	59.9	.	.	9-13	1.7	1.0	41
Deltapine 4748S	57.8	57.5	58.4	9-24	2.0	1.0	48
KS 4602N	57.5	.	.	9-17	1.3	1.0	37
Morsoy RT4731	57.2	.	.	9-15	1.3	1.0	36
ASGROW AG4201	56.5	.	.	9-12	1.7	1.0	36
HBK R4622	55.8	.	.	9-15	0.7	1.0	34
Delta King 4461RR	55.6	57.4	.	9-13	1.0	1.0	40
ASGROW 4603	55.2	.	.	9-14	1.3	1.0	38
Armor 47-G7	55.1	60.1	.	9-14	1.3	1.0	37
Golden Harvest 4772RR	54.7	.	.	9-15	1.7	1.0	35
Delta King 4763RR	54.6	59.5	.	9-15	1.0	1.0	36
Pioneer 94B73	54.5	.	.	9-16	1.3	1.0	40
Golden Harvest 4534RR	54.3	.	.	9-17	1.3	1.0	39
ASGROW AG4403	54.2	56.8	58.8	9-14	1.0	1.0	41
Dyna Gro 3468NRR	54.1	48.1	52.3	9-17	1.0	1.0	36
MPV 4102NRR	54.1	.	.	9-14	1.0	1.0	32
Terral TV4589RR	53.6	53.8	52.9	9-11	2.0	1.0	38
Hartz H4454RR	53.5	56.4	.	9-14	1.0	1.0	40
Garst 4512RR/N	53.4	.	.	9-14	1.0	1.0	38
Delta King XTJ301RR	52.4	.	.	9-16	1.0	1.0	39
Progeny 4401RR	52.4	.	.	9-14	1.0	1.0	38
Garst 4312RR/STS/N	52.4	.	.	9-14	1.0	1.0	33
Morsoy RT4480	52.0	.	.	9-15	1.0	1.0	40
Delta King XTJ046RR	51.9	.	.	9-12	1.7	1.0	40
Armor 44-R4	51.6	57.0	.	9-14	1.0	1.0	40
Dyna Gro 3443NRR	51.1	56.1	.	9-15	1.0	1.0	40
Deltapine DP 4690RR	50.8	49.5	52.4	9-20	1.0	1.0	42
Southern States RT4502N	50.5	.	.	9-15	1.0	1.0	43
Southern States RT446N	49.4	.	.	9-16	1.7	1.0	40
Progeny 4303RR	48.7	.	.	9-13	1.7	1.0	42
Delta King 4762 RR	48.6	48.6	50.2	9-23	1.7	1.0	49
Delta King XTJ040RR	47.6	.	.	9-11	1.3	1.7	37
KS 4202	46.3	.	.	9-10	1.0	1.0	32
Grand mean	53.5	.	.	9-15	1.3	1.0	39
LSD (5%)	5.1	.	.	3	0.6	0.2	3
C.V. (%)	5.9	.	.	3	30.2	9.7	4

Table 9. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002, Continued.

Brand/Cultivar	2002 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>							
ASGROW AG4902	58.4	53.1	55.0	9-19	1.0	1.0	39
Delta King XTJ048RR	56.0	.	.	9-17	2.0	1.0	38
Progeny 4858RR	54.7	54.3	.	9-21	1.7	1.0	43
Delta Grow 4860RR	54.3	.	.	9-17	2.0	1.0	38
Terral TV4890 RR	53.8	53.4	53.7	9-12	2.0	1.3	44
Morsoy RT4802	52.8	.	.	9-16	2.0	1.0	37
Pioneer Variety 9492	52.2	52.6	53.2	9-18	1.0	1.0	40
Hartz H4884RR	51.7	53.8	53.3	9-19	1.3	1.0	43
Dyna Gro 3484NRR	51.6	52.9	.	9-19	1.3	1.0	42
Delta King XTJ488RR	51.6	.	.	9-13	1.0	1.0	31
Morsoy RT 4809	51.1	53.1	57.3	9-20	1.0	1.0	38
HBK R4922	50.8	.	.	9-21	1.3	1.0	45
Progeny 4932RR	50.6	.	.	9-22	1.0	1.0	44
Terral TVX49CN201	50.5	.	.	9-18	2.0	1.7	49
NK Brand X248R	50.2	.	.	9-23	1.0	1.0	44
Southern States RT4902N	50.0	.	.	9-23	1.0	1.0	45
USG 7499nRR	50.0	.	.	9-19	1.7	1.0	44
Garst D484RR/N	50.0	.	.	9-20	1.7	1.0	43
HBK 4891	49.4	50.9	.	9-18	1.0	1.0	39
HBK 4944CX	48.8	.	.	9-18	2.0	1.7	46
Terral TV4886RR	48.7	47.2	49.7	9-17	1.0	1.0	48
Golden Harvest 4850RR	48.6	.	.	9-18	1.3	1.0	42
Delta King 4868RR	48.5	51.7	56.3	9-20	1.0	1.0	40
HBK R4820	48.5	51.9	.	9-19	1.0	1.0	39
Delta King XTJ302RR	48.4	.	.	9-20	1.0	1.0	39
R98-1817	48.0	.	.	9-22	1.0	1.0	29
FFR 4900RR	47.9	47.0	.	9-24	1.3	1.0	37
Southern States RT5001N	47.0	.	.	9-24	1.7	1.0	36
HBK R4920	46.6	47.0	49.1	9-23	1.7	1.0	44
Delta King 4965 RR	45.8	48.3	52.1	9-22	1.0	1.0	38
USG 7489RR	45.8	47.8	.	9-22	1.0	1.0	42
Delta Grow 4950RR	44.7	47.1	.	9-21	1.0	1.0	43
Progeny 4910	44.6	45.0	.	9-24	1.3	1.0	44
Deltapine SG 498RR	44.2	44.3	48.9	9-24	1.0	1.0	36
Dixie 4803	44.2	45.5	49.8	9-22	1.0	1.0	43
Southern States RT4980	43.0	44.5	48.7	9-22	1.0	1.0	42
Southern States RT517N	42.8	.	.	9-23	1.0	1.0	31
MPV 4802NRR	40.9	.	.	9-21	1.7	1.0	41
Southern States SS495	40.2	.	.	9-23	1.3	1.0	44
ES Prairie RRI	36.9	37.7	.	9-22	2.0	1.0	46
Manokin	34.0	41.0	45.1	9-23	1.0	1.0	28
Grand mean	48.2	.	.	9-20	1.3	1.0	41
LSD (5%)	4.6	.	.	2	0.5	0.3	2
C.V. (%)	5.8	.	.	2	24.8	15.1	3

AAES Research Series 500. University of Arkansas, Division of Agriculture, Variety Testing Program.

Table 9. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.5 or Less)</u>							
Armor 52-C2	57.8	54.4	57.1	9-25	1.0	1.0	28
ASGROW AG5301	57.7	.	.	9-27	1.7	1.0	34
ASGROW A5427	55.5	.	.	9-27	1.0	1.0	28
Morsoy RT5252	55.0	.	.	9-25	1.3	1.0	27
Delsoy 5500	54.8	50.9	52.7	9-26	1.0	1.0	34
Terral TV52R42	54.4	49.5	.	9-27	1.7	1.0	34
Anand	54.2	53.7	56.3	9-29	1.0	1.0	25
USG 510NRR	54.0	51.2	.	9-29	1.0	1.0	32
NK Brand S52-U3	53.6	.	.	9-26	1.0	1.0	30
USG 7522nRR	53.5	.	.	9-25	2.0	1.0	32
ASGROW AG5501	52.6	50.0	53.3	9-28	1.3	1.0	36
Delta King XTJ051RR	51.9	.	.	9-26	1.0	1.0	32
Progeny 5120N	51.6	49.3	53.0	9-25	2.0	1.0	34
KS 5502N	51.6	.	.	10-01	1.0	1.0	30
Dyna Gro 3535NRR	51.4	53.8	.	9-30	2.0	1.0	36
Deltapine DP5110S	51.0	49.9	.	9-27	2.0	1.0	43
Golden Harvest 5492RR	51.0	.	.	9-29	1.0	1.0	29
Hartz H5444RR	50.5	47.2	.	9-30	1.0	1.0	31
Dyna Gro 3543NRR	50.5	45.3	.	9-29	1.0	1.0	30
Croplan Genetics RC5252	50.1	52.3	.	9-26	1.3	1.0	33
Delta King 5366RR	50.0	52.7	55.1	9-30	1.7	1.0	34
Hartz H5223RR	49.8	.	.	9-28	1.0	1.0	29
Pioneer Brand 95B43	49.6	.	.	9-27	1.3	1.0	36
ES Ranger RR	49.5	48.8	.	9-24	1.3	1.0	28
Deltapine DP5414RR	48.7	48.3	.	9-30	3.0	1.0	41
Delta Grow 5250RR	48.6	49.9	53.7	9-27	1.0	1.0	30
USG 540NRR	48.6	40.3	.	9-30	1.0	1.0	32
Dyna Gro 3521NRR	48.4	47.9	.	9-27	1.0	1.0	30
Pioneer Brand 95B32	48.1	48.0	52.0	9-24	1.0	1.0	29
Delta King 5465RR	47.9	45.5	51.1	9-30	1.0	1.0	30
Armor 53-K3	47.9	48.6	.	9-28	1.0	1.0	29
Southern States SS5200STS	47.6	42.5	.	9-26	2.7	2.0	50
FFR 5225RR	47.6	.	.	9-28	1.0	1.0	31
MPV 5302NRR	47.5	.	.	9-28	1.0	1.0	32
R96-209	47.2	49.6	52.3	9-28	1.0	1.0	32
Delta King XTJ303RR	46.8	.	.	9-29	1.3	1.0	34
Southern States RT5302N	46.8	.	.	9-30	1.3	1.0	32
Terral TV54R11	46.6	45.0	.	10-02	1.0	1.0	32
Pioneer Brand 95B42	45.8	.	.	9-26	2.0	1.0	36
Progeny 5440RR	45.7	.	.	9-27	2.0	1.7	50
Delta Grow 5530	45.6	.	.	10-01	2.0	1.0	38
Delta Grow 5450RR	45.4	43.8	49.5	10-01	1.0	1.0	31
Morsoy RT5442	45.1	.	.	9-28	1.0	1.0	27

Table 9. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.5 or Less) continued</u>							
MPV 5502NRR	45.0	.	.	9-27	1.3	1.0	35
Progeny 5001RR	44.8	.	.	9-20	2.0	1.3	47
Morsoy RT5440	44.6	43.1	.	10-01	1.0	1.0	31
Croplan Genetics RC5332	44.3	.	.	9-29	1.0	1.0	32
Progeny 5250RR	43.7	.	.	9-22	1.3	1.0	26
Hutcheson	43.6	45.8	47.9	9-28	1.0	1.0	34
Progeny 5580RR	43.0	.	.	9-29	1.0	1.0	31
Croplan Genetics RC5454	42.7	42.6	.	10-01	1.3	1.0	31
Southern States RT540N	42.7	.	.	9-28	1.3	1.0	31
Progeny 5415RR	42.3	39.4	.	9-29	1.0	1.0	30
99VPI-67	41.9	.	.	9-25	1.0	1.0	33
99VPI-120	41.9	.	.	9-28	1.0	1.0	33
Delta King XTJ055RR	41.5	.	.	9-29	1.0	1.0	30
Southern States RT557N	41.2	42.3	44.3	9-28	1.0	1.0	35
HBK R5422	40.5	.	.	9-30	1.0	1.0	31
R95-1705	40.2	.	.	9-28	1.0	1.0	25
Delta King XTJ053RR	40.1	.	.	9-27	1.0	1.0	30
Terral TV5486RR	39.8	39.3	40.4	10-01	2.0	1.0	51
HBK R5101	39.3	.	.	9-21	2.0	1.3	50
Garst 5512RRN	39.1	38.1	.	9-30	1.0	1.0	30
Dyna Gro 3518NRR	38.8	41.4	.	9-28	1.7	1.0	31
Armor 54-Z4	38.8	41.9	.	9-30	1.0	1.0	29
ES Punch RR	37.8	40.1	.	10-02	2.0	1.0	40
Delta Grow 5350RR	37.2	.	.	9-28	1.0	1.0	30
AXR 5135	30.2	.	.	9-22	2.3	1.3	39
Grand mean	46.8	.	.	9-28	1.3	1.0	33
LSD (5%)	7.2	.	.	2	0.5	0.2	3
C.V. (%)	9.6	.	.	1	21.8	13.5	5

Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)

Progeny 5822RR	55.5	.	.	10-02	1.0	1.0	37
Dyna Gro 3562NRR	55.3	54.6	.	10-01	1.0	1.0	35
Hartz H5887RR	55.3	.	.	9-30	2.0	1.0	37
Delta Grow 5960RR	54.9	.	.	10-02	1.0	1.0	40
USG 5601T	54.6	49.7	.	9-30	1.0	1.0	31
ASGROW AG5903	54.0	.	.	10-01	2.0	1.0	37
Progeny 5811RR	53.8	.	.	10-04	2.0	1.0	41
Deltapine DP5915RR	53.6	52.1	54.8	10-03	1.3	1.0	37
Dyna Gro 3583NRR	53.6	.	.	10-02	1.0	1.0	38
Delta King XTJ059RR	53.6	.	.	10-02	1.0	1.0	39

Table 9. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.6 to 5.9) continued</u>							
Pioneer Brand 95B97	53.1	52.7	.	10-01	1.3	1.0	32
Delta King 5668RR	52.9	54.4	55.1	9-30	1.0	1.0	35
HBK R5620	51.6	48.0	.	10-02	1.7	1.0	39
HBK 5991	51.4	52.4	56.2	10-02	1.0	1.0	34
USG 7582nRR	51.4	.	.	10-03	1.0	1.0	38
Progeny 5600	51.1	47.5	52.2	9-28	1.7	1.0	34
Morsoy RT5620	50.9	51.5	.	9-29	2.0	1.0	36
Delta King XTJ057RR	50.9	.	.	9-29	1.7	1.0	39
Delta King 5661RR	50.7	51.8	54.0	10-01	1.0	1.0	36
ASGROW AG5603	50.7	48.3	.	9-30	1.0	1.0	31
R95-2210	50.5	52.4	52.8	10-03	1.3	1.0	35
Armor 56-C4	50.5	.	.	10-01	1.0	1.0	33
ASGROW AG5701	50.3	48.8	50.9	10-02	1.0	1.0	30
Terral TV56R11	49.8	47.4	.	10-03	1.7	1.0	40
Armor 56-J6	49.8	49.3	.	10-04	1.3	1.0	37
Southern States RT5999N	49.6	48.2	49.5	10-03	2.0	1.0	44
Delta King 5995	49.4	52.6	55.3	10-03	1.7	1.0	34
HBK R5820	49.2	45.1	.	10-04	1.7	1.0	43
Dyna Gro 3600NRR	49.2	.	.	10-03	1.7	1.0	44
Terral TV59R85	49.0	47.3	48.0	10-03	1.0	1.0	38
Progeny 5660RR	49.0	49.4	.	10-02	1.3	1.0	39
Armor 59-B9	49.0	46.1	.	10-04	1.3	1.0	42
Caviness	49.0	47.7	50.3	9-27	1.3	1.0	35
Southern States RT6202N	48.7	.	.	10-04	2.0	1.0	39
Terral TVX62R001	48.3	.	.	10-03	2.3	1.0	39
Pioneer Brand 9594	47.9	47.4	50.2	10-03	1.7	1.0	36
DT96-6840	47.0	.	.	9-30	2.3	1.0	37
NK Brand S59-V6	46.3	41.7	43.5	10-01	1.3	1.0	36
Terral TV59R98	46.3	45.6	.	10-03	1.0	1.0	43
Pioneer Brand 95B96	45.2	48.1	.	10-01	1.3	1.0	36
Southern States RT5702N	45.0	.	.	9-29	1.7	1.0	44
Terral TV58R11	44.8	42.3	.	10-03	2.0	1.0	39
HBK 5812	44.3	42.5	.	10-02	3.0	1.0	48
Terral TV5666RR	44.2	39.5	41.8	10-02	2.0	1.0	37
Deltapine DP 5806RR	44.2	43.5	45.6	10-02	2.0	1.0	39
Delsoy 5710	43.7	42.5	.	10-01	2.0	1.0	39
Progeny 5900RR	43.7	43.7	44.9	10-03	1.0	1.0	35
USG 570NRR	43.3	46.6	.	10-03	1.7	1.0	38
HBK R6020	42.6	.	.	10-06	2.3	1.0	43
Delta Grow 5630RR	42.2	43.6	47.6	10-04	2.0	1.0	36
Morsoy RT5900	41.9	43.1	.	10-03	1.3	1.0	40
Delta King 5961RR	39.8	35.3	37.9	10-07	1.3	1.0	38

Table 9. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	3-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued							
Delta Grow 5950RR	39.8	42.0	43.9	10-02	1.7	1.0	36
ES Trooper RR	39.3	42.6	.	10-04	1.7	1.0	39
R92-1258	37.2	.	.	10-06	1.0	1.0	45
Delta King 5850	36.9	42.6	46.1	10-01	1.3	1.0	33
UARK-5896	34.1	40.3	42.0	10-04	2.0	1.0	35
Southern States 597N	33.0	36.1	38.0	10-01	1.0	1.0	39
ES Marshal RR	30.4	29.4	.	10-03	2.0	1.0	41
Grand mean	47.5	.	.	10-02	1.5	1.0	38
LSD (5%)	5.9	.	.	2	0.8	n s	4
C.V. (%)	7.6	.	.	1	30.6	.	6

Soil Series..... Calloway silt loam
 Previous Crop..... Cotton
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-16-02
 Herbicide Application..... 0.75 pt./A Fusilade, 6-03-02, 1.5 pts./A Storm, 6-04-02, 20 oz./A Tracer, 9-04-02
 Irrigation Dates..... 7-10-02, 8-01-02, 8-09-02, 8-29-02
 Harvest Dates..... MG4 Early: 9-24-02
 MG4 Late: 9-30-02
 MG5 Early: 10-08-02
 MG5 Late: 10-14-02

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2002	0.9	4.5	2.3	5.3	3.1	3.4	4.2	23.7
Average	5.4	5.2	3.4	4.0	2.8	4.0	3.0	27.8
Departure	-4.5	-0.7	-1.1	+1.3	+0.3	-0.6	+1.2	-4.1

Table 10. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002¹.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>					
Armor 47-G7	44.5	.	1.0	1.0	35
Deltapine 4748S	44.1	30.0	1.0	1.0	41
Pioneer 94B73	43.8	.	1.0	1.0	36
Dyna Gro 3468NRR	43.7	30.2	1.0	1.0	33
ASGROW 4603	42.5	.	1.0	1.0	34
Delta King XTJ046RR	42.2	.	1.0	1.3	38
Delta King 4461RR	42.0	.	1.0	1.0	35
ASGROW AG4403	41.3	29.0	1.0	1.0	35
Morsoy RT4480	41.2	.	1.0	1.0	35
Delta King 4763RR	40.9	.	1.0	1.0	33
Southern States RT446N	40.8	.	1.0	1.0	36
KS 4602N	40.7	.	1.0	1.0	33
Morsoy RT4731	40.5	.	1.0	1.0	33
Golden Harvest 4772RR	39.6	.	1.0	1.0	33
Pioneer 94B74	39.5	.	1.0	1.0	37
Garst 4512RR/N	39.3	.	1.0	1.0	33
Dyna Gro 3443NRR	39.0	.	1.0	1.0	33
Delta King XTJ044RR	38.9	.	1.0	1.0	33
Golden Harvest 4534RR	38.6	.	1.0	1.0	33
Progeny 4401RR	38.3	.	1.0	1.7	35
Terral TV4589RR	38.1	26.6	1.0	1.0	33
Garst 4312RR/STS/N	38.0	.	1.0	1.3	28
Hartz H4454RR	37.1	.	1.0	1.0	33
Southern States RT4502N	36.9	.	1.0	1.3	35
MPV 4102NRR	35.9	.	1.0	1.7	28
Armor 44-R4	35.7	.	1.0	1.3	31
Delta King XTJ301RR	35.7	.	1.0	1.0	32
Delta King 4762 RR	35.5	25.3	1.0	1.0	40
Deltapine DP 4690RR	35.5	23.9	1.0	1.0	37
HBK R4622	33.6	.	1.0	1.0	29
ASGROW AG4201	33.4	.	1.0	2.0	29
Progeny 4303RR	33.3	.	1.0	1.0	38
KS 4202	32.7	.	1.0	3.0	28
Delta King XTJ040RR	27.9	.	1.0	3.0	29
Grand mean	38.5	.	1.0	1.2	34
LSD (5%)	5.4	.	n s	0.4	2
C.V. (%)	8.7	.	.	19.8	4

Table 10. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>					
HBK R4922	38.7	.	1.0	1.0	36
Pioneer Variety 9492	38.1	30.1	1.0	1.0	32
Delta King XTJ048RR	37.9	.	1.0	1.3	33
Southern States RT5001N	37.8	.	1.0	1.0	36
Hartz H4884RR	37.7	30.5	1.0	1.3	35
R98-1817	37.7	.	1.0	1.0	24
Terral TV4886RR	37.4	30.1	1.0	1.0	38
Garst D484RR/N	37.4	.	1.0	2.0	35
Progeny 4858RR	37.2	31.0	1.0	1.3	36
Progeny 4932RR	36.8	.	1.0	1.0	37
Delta King 4868RR	36.6	31.9	1.0	1.0	34
Southern States RT517N	36.0	.	1.0	1.0	29
Morsoy RT 4809	35.6	31.1	1.0	1.0	32
FFR 4900RR	35.5	30.3	1.0	1.0	31
Delta Grow 4860RR	35.4	.	1.0	1.0	31
Dyna Gro 3484NRR	35.2	29.1	1.0	1.3	34
HBK R4820	35.2	.	1.0	1.0	33
Golden Harvest 4850RR	35.2	.	1.0	1.3	36
Southern States RT4902N	34.9	.	1.0	1.0	37
Terral TVX49CN201	34.8	.	1.0	3.7	39
HBK R4920	34.1	25.7	1.0	1.0	36
HBK 4891	33.7	.	1.0	2.3	33
HBK 4944CX	33.6	.	1.0	3.3	38
NK Brand X248R	33.6	.	1.0	1.3	33
USG 7499nRR	33.6	.	1.0	1.3	35
Deltapine SG 498RR	33.5	26.4	1.0	1.3	31
Terral TV4890 RR	33.5	27.8	1.0	1.0	35
Delta Grow 4950RR	33.5	26.0	1.0	1.7	36
Southern States SS495	33.2	.	1.0	2.3	35
Progeny 4910	32.8	30.2	1.0	1.3	36
ASGROW AG4902	32.8	28.4	1.0	1.0	30
Morsoy RT4802	32.8	.	1.0	1.3	30
Delta King 4965 RR	32.2	28.4	1.0	1.0	32
Southern States RT4980	32.1	28.0	1.0	1.0	34
Delta King XTJ302RR	32.1	.	1.0	1.0	31
Dixie 4803	32.0	25.8	1.0	1.7	36
USG 7489RR	32.0	27.0	1.0	1.3	36
ES Prairie RRI	30.6	25.8	1.0	1.0	35
MPV 4802NRR	28.9	.	1.0	1.0	32
Manokin	28.5	26.2	1.0	1.0	27
Delta King XTJ488RR	28.4	.	1.0	2.0	26
Grand mean	34.4	.	1.0	1.3	33
LSD (5%)	5.0	.	n s	0.7	3
C.V. (%)	9.0	.	.	31.7	6

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Table 10. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>					
Anand	29.7	28.1	1.0	1.3	17
Delta King 5465RR	29.3	25.9	1.0	1.0	21
Southern States RT557N	28.8	25.1	1.0	1.3	25
Delsoy 5500	28.7	26.6	1.0	1.0	21
Deltapine DP5414RR	28.4	27.5	1.0	2.7	25
ASGROW AG5501	27.2	24.7	1.0	2.7	22
Armor 52-C2	27.2	26.6	1.0	1.0	20
R96-209	27.0	24.8	1.0	1.3	20
USG 7522nRR	26.4	.	1.0	3.3	21
Deltapine DP5110S	26.3	27.6	1.0	1.0	31
Delta King XTJ303RR	26.3	.	1.0	1.0	22
Pioneer Brand 95B43	26.2	.	1.0	1.0	20
Dyna Gro 3543NRR	25.9	25.9	1.0	1.0	19
Delta Grow 5530	25.7	.	1.0	1.0	21
Pioneer Brand 95B32	25.5	26.2	1.0	1.0	17
Morsoy RT5440	25.5	26.3	1.0	1.0	20
ES Punch RR	25.5	23.6	1.0	1.0	28
ASGROW A5427	25.1	.	1.0	1.3	17
Terral TV5486RR	25.0	23.9	1.0	1.0	32
Hartz H5223RR	25.0	.	1.0	1.0	20
KS 5502N	24.2	.	1.0	1.7	20
Terral TV52R42	23.9	26.6	1.0	3.3	22
99VPI-67	23.9	.	1.0	1.0	21
Golden Harvest 5492RR	23.8	.	1.0	1.0	20
Pioneer Brand 95B42	23.7	.	1.0	1.0	22
MPV 5302NRR	23.6	.	1.0	1.0	21
Progeny 5001RR	23.4	.	1.0	1.3	33
Hutcheson	23.3	25.1	1.0	1.3	22
ASGROW AG5301	23.2	.	1.0	3.7	19
NK Brand S52-U3	23.2	.	1.0	1.0	18
Morsoy RT5252	23.1	.	1.0	1.0	17
Southern States RT5302N	22.9	.	1.0	1.3	20
HBK R5422	22.8	.	1.0	2.0	23
Armor 53-K3	22.7	22.5	1.0	1.0	17
HBK R5101	22.7	.	1.0	1.0	32
Progeny 5250RR	22.6	.	1.0	1.0	16
Southern States SS5200STS	22.5	19.5	1.0	4.7	30
99VPI-120	22.5	.	1.0	1.0	20
Progeny 5120N	22.1	23.9	1.0	1.0	20
USG 510NRR	22.1	24.2	1.0	3.0	18
Delta King XTJ051RR	22.1	.	1.0	1.7	19
Delta King 5366RR	21.9	24.8	1.0	1.0	23

Table 10. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) continued</u>					
Croplan Genetics RC5252	21.9	23.6	1.0	2.3	18
Croplan Genetics RC5332	21.9	.	1.0	1.0	18
Delta Grow 5250RR	21.7	22.6	1.0	2.7	18
Delta Grow 5450RR	21.7	23.2	1.0	1.0	19
Delta King XTJ053RR	21.6	.	1.0	1.0	18
Hartz H5444RR	21.5	22.9	1.0	1.0	18
Progeny 5415RR	21.4	22.4	1.0	1.0	19
MPV 5502NRR	21.1	.	1.0	1.0	21
R95-1705	21.0	.	1.0	1.0	18
Delta King XTJ055RR	21.0	.	1.0	1.0	18
USG 540NRR	20.9	20.0	1.0	1.0	18
Armor 54-Z4	20.9	24.7	1.0	1.0	20
Morsoy RT5442	20.9	.	1.0	1.0	18
ES Ranger RR	20.8	22.7	1.0	2.0	17
Southern States RT540N	20.6	.	1.0	2.0	17
Progeny 5580RR	20.6	.	1.0	1.0	19
Progeny 5440RR	20.1	.	1.0	1.7	30
Terral TV54R11	19.7	20.6	1.0	1.0	19
Dyna Gro 3535NRR	19.6	20.5	1.0	1.0	21
AXR 5135	19.2	.	1.0	2.7	25
Delta Grow 5350RR	18.8	.	1.0	1.3	19
Dyna Gro 3521NRR	18.5	20.6	1.0	2.7	16
FFR 5225RR	18.5	.	1.0	2.0	17
Croplan Genetics RC5454	17.2	20.5	1.0	1.0	16
Garst 5512RRN	17.2	20.6	1.0	1.0	18
Dyna Gro 3518NRR	15.4	20.1	1.0	3.3	18
Grand mean	23.0	.	1.0	1.5	21
LSD (5%)	6.0	.	n s	0.6	3
C.V. (%)	16.2	.	.	24.9	10

Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)

Delta Grow 5960RR	37.9	.	1.0	1.7	33
USG 5601T	37.6	32.1	1.0	1.0	30
Dyna Gro 3583NRR	37.4	.	1.0	1.0	34
USG 7582nRR	35.4	.	1.0	1.7	33
Caviness	35.2	32.3	1.0	1.0	31
Deltapine DP5915RR	34.7	.	1.0	1.0	34
Morsoy RT5900	34.6	.	1.0	1.0	34
Armor 56-C4	34.4	.	1.0	1.0	30
Progeny 5822RR	34.3	.	1.0	1.3	33

Table 10. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>					
Terral TV58R11	33.6	.	1.0	1.0	34
Southern States RT5999N	33.5	.	1.0	1.3	38
Progeny 5600	33.3	30.6	1.3	1.7	34
Pioneer Brand 95B97	33.2	.	1.0	1.0	30
Hartz H5887RR	32.6	.	1.0	1.3	34
HBK 5812	32.5	.	1.3	1.0	41
Progeny 5811RR	32.5	.	1.3	1.7	37
Delta King 5995	32.1	.	1.0	1.0	29
Morsoy RT5620	32.0	30.2	1.0	1.0	30
Southern States RT5702N	32.0	.	1.0	2.7	35
Delta Grow 5950RR	31.8	.	1.0	1.0	33
HBK R5620	31.6	26.2	1.0	1.0	35
Delta King XTJ059RR	31.3	.	1.0	1.3	32
ASGROW AG5701	31.1	.	1.0	1.0	30
Terral TV59R98	31.0	.	1.0	1.0	36
ASGROW AG5603	30.9	27.2	1.0	1.0	29
Delta King XTJ057RR	30.8	.	1.0	1.7	33
Terral TV59R85	30.1	.	1.0	1.0	34
Dyna Gro 3562NRR	30.1	26.7	1.3	1.0	31
Terral TV56R11	30.0	26.9	1.0	1.0	35
UARK-5896	29.8	.	1.3	1.0	32
Delta King 5668RR	29.7	26.2	1.0	1.0	31
DT96-6840	29.6	.	1.0	1.3	32
Delta King 5661RR	29.4	25.7	1.0	1.0	32
Armor 59-B9	29.2	.	1.0	1.0	34
ASGROW AG5903	29.2	.	1.0	1.0	34
Pioneer Brand 9594	29.0	.	1.0	1.0	31
Terral TV5666RR	29.0	26.1	1.3	2.0	32
HBK R6020	29.0	.	1.0	1.0	36
HBK 5991	28.7	.	1.0	1.0	28
R95-2210	28.4	.	1.0	1.0	31
Dyna Gro 3600NRR	28.4	.	1.0	1.0	37
Pioneer Brand 95B96	28.2	.	1.0	1.0	33
Delta King 5850	27.9	.	1.0	1.0	28
Deltapine DP 5806RR	27.4	.	1.0	1.0	34
NK Brand S59-V6	27.2	.	1.0	1.0	31
Delta Grow 5630RR	27.2	26.1	1.0	1.0	32
Delta King 5961RR	27.0	.	1.0	1.0	34
HBK R5820	27.0	.	1.0	1.0	37
Progeny 5900RR	26.7	.	1.0	1.0	34
R92-1258	26.1	.	1.0	1.0	36
Progeny 5660RR	26.0	24.1	1.0	1.0	32

Table 10. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>					
Southern States RT6202N	25.6	.	1.0	1.0	35
Southern States 597N	25.4	.	1.0	1.0	35
USG 570NRR	25.1	.	1.0	1.0	32
Terral TVX62R001	24.9	.	1.0	1.0	33
Armor 56-J6	24.6	23.1	1.0	1.0	32
Delsoy 5710	23.8	.	1.3	1.0	33
ES Trooper RR	21.6	.	1.0	1.0	33
ES Marshal RR	21.6	.	1.0	1.0	38
Grand mean	30.0	.	1.0	1.1	33
LSD (5%)	6.3	.	0.3	0.4	3
C.V. (%)	13.0	.	18.9	20.6	5

¹ There were no data reported for 1999 and 2000, therefore 3-year averages are not available.

Soil Series..... Calloway silt loam
 Previous Crop..... Cotton
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-15-02
 Herbicide Application..... 0.75 pt./A Fusilade, 6-03-02, 1.5 pts./A Storm, 6-04-02, 20 oz./A Tracer, 9-04-02
 Harvest Dates..... MG4 Early:9-13-02
 MG4 Late:9-24-02
 MG5 Early:9-30-02
 MG5 Late:10-06-02

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2002	0.9	4.5	2.3	5.3	3.1	3.4	4.2	23.7
Average	5.4	5.2	3.4	4.0	2.8	4.0	3.0	27.8
Departure	-4.5	-0.7	-1.1	+1.3	+0.3	-0.6	+1.2	-4.1

Table 11. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2002.

Brand/Cultivar	2002 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	64.6	66.8	64.9	9-29	1.0	1.0	38
Hartz H4454RR	60.9	55.9	.	9-20	1.0	1.0	31
Delta King 4461RR	60.4	55.7	.	9-20	1.0	1.0	32
Delta King 4763RR	56.6	57.8	.	9-24	1.0	1.0	29
Pioneer 94B73	56.6	.	.	9-16	1.0	1.0	32
Golden Harvest 4772RR	56.1	.	.	9-20	1.0	1.0	28
Armor 47-G7	53.7	53.8	.	9-24	1.0	1.0	31
Delta King 4762 RR	53.2	53.1	52.0	9-27	1.0	1.0	39
Pioneer 94B74	52.9	.	.	9-18	1.0	1.0	30
Dyna Gro 3443NRR	52.6	56.3	.	9-19	1.0	1.0	30
KS 4202	52.4	.	.	9-14	1.0	1.0	27
Morsoy RT4731	51.8	.	.	9-19	1.0	1.0	29
ASGROW AG4201	51.6	.	.	9-17	1.0	1.0	28
Delta King XTJ044RR	51.3	.	.	9-19	1.0	1.0	32
Terral TV4589RR	50.8	50.0	49.2	9-17	1.0	1.0	29
Morsoy RT4480	50.8	.	.	9-20	1.0	1.0	31
Garst 4512RR/N	50.2	.	.	9-20	1.0	1.0	27
KS 4602N	49.4	.	.	9-17	1.0	1.0	28
ASGROW AG4403	49.2	53.0	51.6	9-19	1.0	1.0	28
Dyna Gro 3468NRR	48.9	44.9	45.3	9-22	1.0	1.0	27
Delta King XTJ040RR	48.9	.	.	9-15	1.0	1.0	29
Garst 4312RR/STS/N	48.9	.	.	9-21	1.0	1.0	26
Golden Harvest 4534RR	48.9	.	.	9-18	1.0	1.0	29
Armor 44-R4	48.6	50.7	.	9-18	1.0	1.0	29
ASGROW 4603	48.6	.	.	9-22	1.0	1.0	27
Delta King XTJ046RR	48.6	.	.	9-17	1.0	1.0	31
Progeny 4303RR	48.4	.	.	9-17	1.0	1.0	33
HBK R4622	46.8	.	.	9-21	1.0	1.0	25
Progeny 4401RR	46.8	.	.	9-18	1.0	1.0	29
Southern States RT446N	46.2	.	.	9-19	1.0	1.0	31
Southern States RT4502N	46.0	.	.	9-17	1.0	1.0	34
Delta King XTJ301RR	45.4	.	.	9-18	1.0	1.0	30
Deltapine DP 4690RR	45.2	52.2	51.8	9-22	1.0	1.0	30
MPV 4102NRR	43.0	.	.	9-22	1.0	1.0	25
Grand mean	51.0	.	.	9-20	1.0	1.0	30
LSD (5%)	7.5	.	.	3	n s	n s	3
C.V. (%)	9.1	.	.	2	.	.	6

Table 11. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2002, Continued.

Brand/Cultivar	2002 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>							
Morsoy RT 4809	67.8	58.6	59.3	9-24	1.0	1.0	35
HBK R4820	64.6	63.0	.	9-23	1.0	1.0	36
HBK 4891	64.1	63.6	.	9-26	1.0	1.0	37
R98-1817	64.1	.	.	9-28	1.0	1.0	21
Delta Grow 4950RR	62.5	58.4	.	9-26	1.0	1.0	38
Terral TVX49CN201	62.0	.	.	9-23	1.0	1.0	40
Southern States SS495	60.9	.	.	9-26	1.0	1.0	37
Pioneer Variety 9492	60.4	57.2	56.0	9-21	1.0	1.0	34
ASGROW AG4902	60.4	58.4	56.0	9-25	1.0	1.0	33
Progeny 4858RR	60.4	57.2	.	9-26	1.0	1.0	37
Delta King XTJ302RR	59.8	.	.	9-24	1.0	1.0	34
Progeny 4910	59.6	62.9	.	9-28	1.0	1.0	36
Delta King 4868RR	59.3	60.0	57.8	9-24	1.0	1.0	34
USG 7489RR	59.3	55.3	.	9-27	1.0	1.0	37
HBK R4920	58.8	56.0	54.1	9-27	1.0	1.0	35
Dixie 4803	57.7	57.4	56.6	9-26	1.0	1.0	39
Southern States RT4902N	57.7	.	.	9-23	1.0	1.0	36
NK Brand X248R	57.7	.	.	9-27	1.0	1.0	34
Progeny 4932RR	57.7	.	.	9-24	1.0	1.0	38
Hartz H4884RR	57.2	55.0	55.5	9-25	1.0	1.0	36
Dyna Gro 3484NRR	57.2	55.0	.	9-24	1.0	1.0	37
Southern States RT4980	56.6	58.5	56.8	9-25	1.0	1.0	37
HBK 4944CX	56.6	.	.	9-22	1.0	1.0	39
Morsoy RT4802	56.6	.	.	9-21	1.0	1.0	30
Delta Grow 4860RR	56.1	.	.	9-20	1.0	1.0	31
Delta King XTJ488RR	56.1	.	.	9-23	1.0	1.0	27
USG 7499nRR	55.6	.	.	9-27	1.0	1.0	36
Delta King XTJ048RR	55.3	.	.	9-21	1.0	1.0	34
MPV 4802NRR	55.3	.	.	9-23	1.0	1.0	37
Deltapine SG 498RR	55.0	55.3	55.0	9-27	1.0	1.0	34
Delta King 4965 RR	53.4	53.7	53.2	9-26	1.0	1.0	33
Southern States RT5001N	53.4	.	.	9-29	1.0	1.0	27
HBK R4922	52.9	.	.	9-24	1.0	1.0	37
Terral TV4886RR	52.6	52.6	51.7	9-25	1.0	1.0	38
Garst D484RR/N	52.6	.	.	9-23	1.0	1.0	34
Golden Harvest 4850RR	52.6	.	.	9-23	1.0	1.0	34
Southern States RT517N	52.5	.	.	9-30	1.0	1.0	24
Manokin	50.5	53.6	54.6	9-26	1.0	1.0	21
FFR 4900RR	50.5	53.3	.	9-28	1.0	1.0	26
Terral TV4890 RR	49.7	49.1	49.5	9-16	1.0	1.0	36
ES Prairie RRI	48.9	55.1	.	9-27	1.0	1.0	35
Grand mean	57.1	.	.	9-25	1.0	1.0	34
LSD (5%)	8.4	.	.	3	n s	n s	4
C.V. (%)	9.1	.	.	2	.	.	7

AAES Research Series 500. University of Arkansas, Division of Agriculture, Variety Testing Program.

Table 11. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.5 or Less)</u>							
Dyna Gro 3535NRR	63.6	61.5	.	10-04	1.0	1.0	30
R96-209	62.0	66.3	64.5	9-30	1.0	1.0	24
Delta King 5366RR	61.4	57.6	58.0	10-03	1.0	1.0	30
NK Brand S52-U3	61.4	.	.	10-01	1.0	1.0	25
ASGROW AG5501	60.9	65.4	66.1	10-02	1.0	1.0	30
Anand	60.4	56.8	54.5	10-02	1.0	1.0	23
Pioneer Brand 95B32	60.4	59.3	61.5	9-29	1.0	1.0	21
Pioneer Brand 95B43	60.4	.	.	9-30	1.0	1.0	32
Delta King 5465RR	59.8	62.1	61.8	10-04	1.0	1.0	27
Pioneer Brand 95B42	59.8	.	.	9-30	1.0	1.0	29
Delta Grow 5450RR	59.3	64.5	63.3	10-04	1.0	1.0	25
ASGROW A5427	59.3	.	.	10-01	1.0	1.0	22
Morsoy RT5252	59.3	.	.	9-30	1.0	1.0	23
Hartz H5444RR	58.8	64.0	.	10-03	1.0	1.0	26
Dyna Gro 3543NRR	58.8	61.6	.	10-03	1.0	1.0	29
ES Ranger RR	58.8	61.7	.	9-29	1.0	1.0	24
Delta Grow 5530	58.8	.	.	10-04	1.3	1.0	33
MPV 5502NRR	58.8	.	.	10-02	1.0	1.0	29
Southern States SS5200STS	58.5	58.7	.	9-30	1.0	1.0	39
Hutcheson	58.2	65.0	63.9	10-03	1.0	1.0	30
99VPI-67	58.0	.	.	9-30	1.0	1.0	28
Armor 52-C2	57.7	63.6	63.2	9-30	1.0	1.0	27
Deltapine DP5110S	57.7	66.2	.	9-28	1.0	1.0	43
Armor 53-K3	57.7	60.6	.	10-02	1.0	1.0	26
KS 5502N	57.7	.	.	10-02	1.0	1.0	26
Delta King XTJ303RR	57.7	.	.	10-04	1.0	1.0	28
MPV 5302NRR	57.7	.	.	10-01	1.0	1.0	27
Croplan Genetics RC5454	57.4	63.1	.	10-05	1.0	1.0	27
Southern States RT557N	57.2	64.1	63.3	9-29	1.7	1.0	35
ASGROW AG5301	57.2	.	.	10-01	1.0	1.0	26
99VPI-120	57.2	.	.	10-02	1.0	1.0	28
Garst 5512RRN	56.9	60.8	.	10-06	1.0	1.0	25
Delsoy 5500	56.6	64.0	63.4	9-29	1.0	1.0	30
Deltapine DP5414RR	56.6	59.7	.	9-30	1.0	1.0	36
Progeny 5120N	56.4	58.2	58.6	9-26	1.0	1.0	29
Morsoy RT5440	56.4	61.8	.	10-05	1.0	1.0	26
Delta Grow 5350RR	56.1	.	.	9-30	1.0	1.0	29
Progeny 5580RR	56.1	.	.	10-06	1.0	1.0	29
FFR 5225RR	56.1	.	.	9-29	1.0	1.0	30
Dyna Gro 3518NRR	55.6	60.1	.	9-26	1.0	1.0	31
Armor 54-Z4	55.6	61.9	.	10-03	1.0	1.0	26
Hartz H5223RR	55.6	.	.	10-03	1.0	1.0	26
Southern States RT5302N	55.0	.	.	10-02	1.0	1.0	28

Table 11. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.5 or Less) continued</u>							
Golden Harvest 5492RR	54.8	.	.	10-02	1.0	1.0	27
Croplan Genetics RC5252	54.5	56.1	.	10-02	1.0	1.0	27
Progeny 5415RR	54.5	60.3	.	10-04	1.0	1.0	26
Croplan Genetics RC5332	54.5	.	.	9-29	1.0	1.0	31
Dyna Gro 3521NRR	54.0	55.8	.	9-30	1.0	1.0	25
Southern States RT540N	54.0	.	.	10-02	1.0	1.0	27
HBK R5422	54.0	.	.	9-30	1.0	1.0	28
Progeny 5250RR	54.0	.	.	10-02	1.0	1.0	23
USG 7522nRR	54.0	.	.	9-28	1.0	1.0	30
Morsoy RT5442	53.7	.	.	10-01	1.0	1.0	26
USG 540NRR	53.4	57.8	.	10-01	1.0	1.0	25
USG 510NRR	53.2	55.7	.	9-28	1.0	1.0	26
Progeny 5440RR	53.2	.	.	9-26	1.0	1.0	39
Terral TV52R42	53.0	59.4	.	9-29	1.0	1.0	32
Terral TV5486RR	52.9	61.3	62.8	10-03	1.0	1.0	42
Delta King XTJ053RR	52.9	.	.	9-27	1.0	1.0	27
Terral TV54R11	52.6	59.1	.	10-03	1.0	1.0	25
R95-1705	52.6	.	.	9-30	1.0	1.0	23
Delta King XTJ051RR	51.3	.	.	10-01	1.0	1.0	26
Delta Grow 5250RR	50.8	55.3	57.0	10-02	1.0	1.0	25
ES Punch RR	50.2	56.7	.	10-03	1.0	1.0	37
AXR 5135	50.0	.	.	9-29	1.0	1.0	32
Delta King XTJ055RR	48.6	.	.	9-30	1.0	1.0	25
Progeny 5001RR	47.6	.	.	9-27	1.0	1.0	34
HBK R5101	47.3	.	.	9-29	1.0	1.0	36
Grand mean	56.1	.	.	10-01	1.0	1.0	29
LSD (5%)	6.0	.	.	4	0.2	n s	5
C.V. (%)	6.7	.	.	2	9.7	.	11
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>							
ASGROW AG5903	68.9	.	.	10-04	1.0	1.0	34
Armor 56-C4	67.3	.	.	10-07	1.0	1.0	25
Delta King 5668RR	66.0	64.1	62.9	10-02	1.0	1.0	28
Deltapine DP5915RR	65.7	65.1	65.7	10-08	1.0	1.0	28
Delta Grow 5960RR	65.2	.	.	10-05	1.0	1.0	29
Progeny 5600	64.6	63.7	63.0	9-30	1.0	1.0	26
USG 570NRR	64.6	61.0	.	10-07	1.0	1.0	32
Pioneer Brand 95B97	64.1	65.0	.	10-06	1.0	1.0	23
Delta King XTJ059RR	64.1	.	.	10-05	1.0	1.0	33
ASGROW AG5701	63.6	62.3	62.6	10-05	1.0	1.0	28
Southern States 597N	63.6	67.4	67.9	10-06	1.0	1.0	31

Table 11. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.6 to 5.9) continued</u>							
Armor 56-J6	63.6	57.9	.	10-08	1.0	1.0	33
DT96-6840	63.0	.	.	10-04	1.0	1.0	31
USG 5601T	63.0	64.0	.	10-04	1.0	1.0	30
HBK R6020	62.8	66.2	61.8	10-13	1.0	1.0	34
Progeny 5822RR	62.5	.	.	10-05	1.0	1.0	28
Delta King 5995	62.0	63.0	63.3	10-06	1.0	1.0	26
Terral TV58R11	62.0	64.7	.	10-05	1.0	1.0	32
ASGROW AG5603	62.0	65.0	.	10-05	1.0	1.0	25
Progeny 5900RR	61.4	63.8	64.5	10-04	1.0	1.0	29
Southern States RT6202N	61.4	.	.	10-10	1.0	1.0	34
Terral TVX62R001	61.4	.	.	10-11	1.0	1.0	35
R92-1258	61.4	66.2	65.9	10-11	1.0	1.0	39
Morsoy RT5620	61.2	63.7	.	10-02	1.0	1.0	31
HBK 5991	60.9	63.9	65.1	10-05	1.0	1.0	28
Delta Grow 5630RR	60.9	56.8	58.0	10-09	1.0	1.0	29
HBK R5620	60.9	58.1	.	10-09	1.0	1.0	29
Pioneer Brand 9594	59.3	65.5	68.2	10-05	1.0	1.0	28
Progeny 5660RR	59.3	61.0	.	10-06	1.0	1.0	31
Dyna Gro 3562NRR	59.3	62.0	.	10-03	1.0	1.0	27
Progeny 5811RR	59.3	.	.	10-05	1.0	1.0	35
Delta King 5961RR	58.8	62.0	63.2	10-11	1.0	1.0	29
HBK 5812	58.8	65.0	.	10-04	1.3	1.0	38
Pioneer Brand 95B96	58.8	62.8	.	10-04	1.0	1.0	27
Dyna Gro 3583NRR	58.8	.	.	10-08	1.0	1.0	27
Hartz H5887RR	58.8	.	.	10-02	1.0	1.0	28
NK Brand S59-V6	58.2	59.4	61.9	10-04	1.0	1.0	29
Terral TV56R11	58.2	58.6	.	10-09	1.0	1.0	31
Terral TV59R98	58.2	60.6	.	10-05	1.0	1.0	32
Caviness	58.2	62.0	63.7	10-01	1.0	1.0	25
USG 7582nRR	58.2	.	.	10-07	1.0	1.0	28
Southern States RT5702N	57.7	.	.	10-01	1.0	1.0	38
ES Trooper RR	57.0	60.3	.	10-09	1.0	1.0	28
Delta King 5661RR	56.6	59.2	59.5	10-03	1.0	1.0	27
Armor 59-B9	56.6	60.6	.	10-06	1.0	1.0	38
Delta King XTJ057RR	56.6	.	.	10-03	1.0	1.0	30
R95-2210	56.1	62.0	62.7	10-12	1.0	1.0	25
UARK-5896	55.6	61.2	63.0	10-04	1.0	1.0	31
Delta Grow 5950RR	55.6	59.6	63.1	10-04	1.0	1.0	33
ES Marshal RR	55.3	53.7	.	10-07	1.0	1.0	33
Delta King 5850	55.0	59.8	60.5	10-01	1.0	1.0	25
Deltapine DP 5806RR	55.0	59.9	62.3	10-09	1.0	1.0	29
Southern States RT5999N	55.0	58.7	61.3	10-06	1.0	1.0	33
Dyna Gro 3600NRR	55.0	.	.	10-05	1.0	1.0	35

Table 12. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002.

Brand/Cultivar	2002 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>							
Armor 44-R5	73.8	.	.	9-06	1.0	1.0	37
KS 4202	73.6	.	.	9-04	1.0	1.0	38
Deltapine 4748S	71.6	72.9	66.5	9-13	1.0	1.0	46
Deltapine DPX4727RR	70.8	.	.	9-09	1.0	1.0	37
MPV 4102NRR	70.6	.	.	9-09	1.0	1.0	35
Delta King XTJ044RR	70.0	.	.	9-12	1.0	1.0	37
Pioneer 94B74	69.8	.	.	9-05	1.0	1.0	44
Delta King 4763RR	69.1	66.1	.	9-07	1.0	1.0	37
HBK R4622	69.1	.	.	9-13	1.0	1.0	37
Armor 47-G7	68.9	65.2	.	9-10	1.0	1.0	40
Pioneer 94B73	68.8	.	.	9-08	1.0	1.0	40
Morsoy RT4731	68.3	.	.	9-07	1.0	1.0	37
Golden Harvest 4772RR	68.2	.	.	9-08	1.0	1.0	38
Delta King 4461RR	68.0	64.3	.	9-05	1.0	1.0	41
Garst 4312RR/STS/N	67.6	.	.	9-09	1.0	1.0	33
Garst 4512RR/N	67.5	61.6	.	9-05	1.0	1.0	40
Hartz H4454RR	66.5	63.8	.	9-04	1.0	1.0	39
Deltapine DPX4431RR	66.0	.	.	9-06	1.0	1.0	41
ASGROW AG4403	65.0	64.8	57.1	9-07	1.0	1.0	43
ASGROW AG4201	64.9	.	.	9-06	1.0	1.0	35
Delta King XTJ046RR	64.7	.	.	9-05	1.0	1.0	45
Golden Harvest 4534RR	64.7	.	.	9-05	1.0	1.0	40
KS 4602N	64.6	.	.	9-09	1.0	1.0	40
Morsoy RT4480	63.9	.	.	9-05	1.0	1.0	43
Dyna Gro 3443NRR	63.7	62.3	.	9-06	1.0	1.0	40
Delta King XTJ040RR	62.9	.	.	9-05	1.0	1.0	37
ASGROW 4603	62.6	.	.	9-11	1.0	1.0	38
Delta King XTJ301RR	62.5	.	.	9-09	1.0	1.0	38
Progeny 4401RR	61.8	.	.	9-04	1.0	1.0	42
Terral TV4589RR	61.5	60.7	54.3	9-04	1.0	1.0	41
Armor 44-R4	60.3	63.5	.	9-04	1.0	1.0	40
Deltapine DP 4690RR	60.1	60.5	55.6	9-12	1.0	1.0	44
Southern States RT4502N	59.6	.	.	9-12	1.0	1.0	41
Progeny 4303RR	59.6	.	.	9-05	1.0	1.0	46
Delta King 4762 RR	56.8	56.1	49.4	9-15	1.0	1.0	45
Deltapine DPX4527RR	55.5	.	.	9-06	1.0	1.0	39
Southern States RT446N	55.0	.	.	9-08	1.0	1.0	40
Dyna Gro 3468NRR	54.9	50.7	45.2	9-09	1.0	1.0	38
Grand mean	65.1	.	.	9-08	1.0	1.0	40
LSD (5%)	8.4	.	.	3	.	.	4
C.V. (%)	7.9	.	.	3	.	.	6

Table 12. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002, Continued.

Brand/Cultivar	2002 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>							
DT98-7278	73.8	.	.	9-21	1.0	1.0	33
R98-1817	73.1	.	.	9-20	1.0	1.0	32
Delta King 4868RR	69.1	66.9	58.6	9-14	1.0	1.0	40
Morsoy RT4802	68.6	.	.	9-15	1.0	1.0	37
Delta Grow 4860RR	66.9	.	.	9-14	1.0	1.0	36
Delta King XTJ048RR	66.4	.	.	9-16	1.0	1.0	36
HBK 4891	66.3	63.4	.	9-10	1.0	1.0	39
Delta King XTJ302RR	65.3	.	.	9-15	1.0	1.0	38
DT98-9102	64.3	.	.	9-17	1.3	1.0	35
HBK R4820	64.1	68.4	.	9-13	1.0	1.0	40
Delta King XTJ488RR	63.8	.	.	9-07	1.0	1.0	34
NK Brand X248R	63.4	.	.	9-21	1.0	1.0	38
Southern States RT517N	63.2	.	.	9-19	1.0	1.0	37
HBK R4920	62.8	62.3	52.9	9-19	1.0	1.0	43
Progeny 4910	62.6	66.2	.	9-19	1.0	1.0	44
Pioneer Variety 9492	62.3	53.1	45.7	9-15	1.0	1.0	39
Morsoy RT 4809	62.1	63.2	56.0	9-14	1.0	1.0	40
HBK R4922	61.1	.	.	9-19	1.0	1.0	44
Southern States RT4980	60.8	59.7	52.5	9-19	1.0	1.0	41
USG 7489RR	60.8	58.0	.	9-15	1.0	1.0	43
Garst XR49N49	60.7	.	.	9-17	1.0	1.0	48
Southern States SS495	59.9	.	.	9-21	1.0	1.0	45
Dixie 4803	59.6	57.7	51.5	9-15	1.0	1.0	39
ASGROW AG4902	59.3	56.8	51.6	9-12	1.0	1.0	40
Progeny 4858RR	58.9	55.8	.	9-13	1.0	1.0	41
Manokin	58.5	56.8	49.9	9-22	1.0	1.0	34
Hartz H4884RR	58.4	55.5	49.1	9-13	1.0	1.0	40
Southern States RT4902N	58.0	.	.	9-15	1.0	1.0	44
Deltapine DPX99-328	57.6	.	.	9-13	1.0	1.0	37
HBK 4944CX	57.1	.	.	9-10	1.3	1.0	44
Deltapine DPX4933RR	56.9	.	.	9-18	1.0	1.0	44
Deltapine SG 498RR	56.8	56.8	51.1	9-18	1.0	1.0	35
Garst D484RR/N	56.7	.	.	9-11	1.0	1.0	42
Terral TV4890 RR	56.3	52.2	46.1	9-06	1.0	1.0	41
Terral TVX49CN201	56.2	.	.	9-09	2.0	1.0	48
Dyna Gro 3484NRR	55.8	54.1	48.2	9-13	1.0	1.0	39
Delta Grow 4950RR	55.5	56.2	.	9-19	1.0	1.0	41
ES Prairie RRI	55.2	54.8	50.3	9-23	1.3	1.0	43
USG 7499nRR	55.2	.	.	9-15	1.3	1.0	40
Golden Harvest 4850RR	52.8	.	.	9-15	1.0	1.0	40
Southern States RT5001N	52.3	.	.	9-20	1.0	1.0	36
Delta King 4965 RR	52.1	51.3	44.8	9-17	1.0	1.0	37

Table 12. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002, Continued.

Brand/Cultivar	2002 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>							
FFR 4900RR	52.0	53.3	.	9-24	1.0	1.0	37
Garst XC49Y30	51.6	.	.	9-15	1.0	1.0	41
Progeny 4932RR	51.5	.	.	9-16	1.0	1.0	45
Terral TV4886RR	49.0	51.7	47.3	9-14	1.0	1.0	43
MPV 4802NRR	46.1	.	.	9-15	1.0	1.0	39
Grand mean	59.6	.	.	9-16	1.0	1.0	40
LSD (5%)	7.6	.	.	4	0.4	ns	4
C.V. (%)	7.9	.	.	3	21.5	.	6
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
Delta King 5366RR	79.8	73.1	.	9-29	1.3	1.0	39
Anand	77.9	70.7	63.0	9-30	1.0	1.0	31
Dyna Gro 3535NRR	77.2	72.5	.	9-28	1.0	1.0	38
Progeny 5415RR	74.7	70.0	.	9-28	1.0	1.0	34
Delta King XTJ303RR	74.1	.	.	9-28	1.0	1.0	37
USG 540NRR	73.9	65.1	.	9-28	1.0	1.0	37
Croplan Genetics RC5454	73.7	66.8	.	9-28	1.0	1.0	34
ASGROW A5427	73.3	.	.	9-26	1.0	1.0	33
Southern States SS5200STS	73.0	63.4	.	9-26	1.7	1.0	50
Morsoy RT5440	72.6	70.6	.	9-28	1.0	1.0	37
Delta Grow 5530	71.9	.	.	9-29	1.7	1.0	43
Deltapine DP5414RR	70.2	63.4	.	9-28	1.0	1.0	40
R96-209	70.1	68.2	.	9-28	1.0	1.0	35
Deltapine DP5110S	69.6	65.4	.	9-19	1.3	1.0	44
Garst 5512RRN	68.5	65.6	.	9-27	1.0	1.0	32
Hartz H5444RR	68.3	68.1	.	9-29	1.0	1.0	36
Delta King 5465RR	68.2	62.6	.	9-27	1.0	1.0	34
Dyna Gro 3543NRR	68.2	62.0	.	9-26	1.0	1.0	37
Croplan Genetics RC5332	67.6	.	.	9-26	1.0	1.0	37
ASGROW AG5301	67.5	.	.	9-25	1.0	1.0	38
NK Brand S52-U3	67.2	.	.	9-28	1.0	1.0	34
99VPI-120	67.2	.	.	9-27	1.0	1.0	35
FFR 5225RR	66.4	.	.	9-26	1.0	1.0	37
Morsoy RT5252	66.4	.	.	9-23	1.0	1.0	32
Southern States RT5302N	66.3	.	.	9-26	1.0	1.0	35
Progeny 5250RR	66.3	.	.	9-22	1.0	1.0	30
Armor 52-C2	66.1	65.9	.	9-23	1.0	1.0	34
Armor 54-Z4	65.6	65.0	.	9-29	1.0	1.0	34
Hutcheson	65.0	64.4	59.3	9-28	1.0	1.0	36
Pioneer Brand 95B42	65.0	.	.	9-28	1.0	1.0	36
Delta Grow 5350RR	65.0	.	.	9-26	1.0	1.0	37

Table 12. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.5 or Less) continued</u>							
Delta Grow 5450RR	64.8	60.0	.	9-28	1.0	1.0	36
Progeny 5440RR	64.5	.	.	9-27	1.0	1.0	46
ASGROW AG5501	64.0	62.2	.	9-29	1.0	1.0	35
MPV 5302NRR	63.1	.	.	9-26	1.0	1.0	34
ES Ranger RR	63.0	56.1	.	9-27	1.0	1.0	31
Pioneer Brand 95B43	62.7	.	.	9-24	1.0	1.0	41
Delta King XTJ051RR	62.7	.	.	9-28	1.0	1.0	31
Garst XRS53N64	62.3	.	.	9-27	1.0	1.0	36
Terral TV54R11	62.2	60.3	.	9-27	1.0	1.0	36
Golden Harvest 5492RR	62.0	.	.	9-28	1.0	1.0	32
DT97-6308	61.5	.	.	9-20	1.0	1.0	32
S99-2447-2RR	61.4	.	.	9-27	1.0	1.0	35
Armor 53-K3	61.3	56.2	.	9-27	1.0	1.0	33
99VPI-67	61.3	.	.	9-28	1.0	1.0	37
Pioneer Brand 95B32	61.1	59.2	58.8	9-24	1.0	1.0	30
HBK R5422	60.4	.	.	9-26	1.0	1.0	38
Garst XR53N91	59.5	.	.	9-25	1.0	1.0	36
Delta King XTJ053RR	58.8	.	.	9-23	1.0	1.0	35
Morsoy RT5442	58.8	.	.	9-28	1.0	1.0	35
Hartz H5223RR	58.6	.	.	9-28	1.0	1.0	34
Progeny 5120N	58.5	59.1	54.1	9-21	1.0	1.0	36
KS 5502N	58.0	.	.	9-27	1.0	1.0	32
Delsoy 5500	57.7	58.0	59.1	9-23	1.0	1.0	34
Croplan Genetics RC5252	57.6	51.3	.	9-28	1.0	1.0	32
Delta King XTJ055RR	57.3	.	.	9-24	1.0	1.0	34
Southern States RT557N	57.2	53.4	52.1	9-27	1.0	1.0	39
Delta Grow 5250RR	56.9	53.2	.	9-28	1.0	1.0	31
USG 7522nRR	56.9	.	.	9-19	1.0	1.0	37
MPV 5502NRR	56.4	.	.	9-27	1.0	1.0	33
R95-1705	56.1	.	.	9-28	1.0	1.0	34
Progeny 5580RR	56.0	.	.	9-28	1.0	1.0	33
Dyna Gro 3521NRR	55.7	53.9	.	9-29	1.0	1.0	31
Southern States RT540N	54.7	.	.	9-24	1.0	1.0	33
USG 510NRR	54.4	56.1	.	9-29	1.0	1.0	32
AXR 5135	54.4	.	.	9-21	1.0	1.0	42
ES Punch RR	54.2	52.3	.	9-28	1.0	1.0	39
Terral TV5486RR	53.8	50.4	48.9	9-28	1.7	1.0	45
Terral TV52R42	53.0	49.0	.	9-21	1.0	1.0	37
Dyna Gro 3518NRR	51.2	53.3	.	9-21	1.0	1.0	35
S99-2461RR	51.1	.	.	9-26	1.0	1.0	34
HBK R5101	49.5	.	.	9-16	1.0	1.0	52
Progeny 5001RR	43.4	.	.	9-17	1.0	1.0	49
Grand mean	63.1	.	.	9-26	1.0	1.0	36
LSD (5%)	8.9	.	.	3	0.2	n s	4

AAES Research Series 500. University of Arkansas, Division of Agriculture, Variety Testing Program.

C.V. (%) 8.8 . . 2 14.6 . 6

Table 12. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.6 to 5.9)</u>							
Delta Grow 5960RR	74.2	.	.	10-03	1.0	1.0	36
Progeny 5660RR	72.8	71.7	.	10-02	1.0	1.0	40
USG 7582nRR	72.7	.	.	10-04	1.0	1.0	39
Delta King XTJ059RR	72.0	.	.	10-04	1.0	1.0	39
Morsoy RT5620	69.7	66.6	.	9-29	1.7	1.0	37
Dyna Gro 3583NRR	69.6	.	.	10-05	1.0	1.0	36
Progeny 5822RR	69.4	.	.	10-04	1.0	1.0	37
Armor 56-C4	69.1	.	.	10-02	1.0	1.0	34
Delta King 5995	69.0	66.8	63.2	10-01	1.0	1.0	34
Deltapine DP5915RR	68.3	60.6	57.1	10-02	1.0	1.0	35
Croplan Genetics RC5972	67.9	.	.	10-03	1.0	1.0	34
HBK R5620	67.8	64.9	.	10-02	1.0	1.0	37
Armor 56-J6	67.8	68.3	.	10-03	1.0	1.0	38
Terral TV56R11	67.7	67.9	.	10-03	1.0	1.0	34
HBK R6020	67.7	61.8	58.5	10-07	1.0	1.0	38
Delta King 5850	67.6	61.7	62.3	9-28	1.0	1.0	33
Delta Grow 5630RR	66.8	66.0	.	10-02	1.0	1.0	35
ASGROW AG5903	66.6	.	.	10-01	1.3	1.0	39
Delta King 5661RR	66.1	64.0	61.8	10-01	1.0	1.0	36
Dyna Gro 3562NRR	66.0	65.4	.	9-29	1.3	1.0	35
USG 570NRR	64.9	64.2	.	10-03	1.0	1.0	36
Hartz H5887RR	64.8	.	.	9-29	1.0	1.0	35
Deltapine DPX5734RR	64.0	.	.	9-27	1.0	1.0	37
DT96-6840	63.9	59.1	61.6	9-28	1.0	1.0	40
USG 5601T	63.9	65.6	62.7	9-28	1.0	1.0	34
ASGROW AG5701	63.8	62.5	63.9	10-03	1.0	1.0	35
Pioneer Brand 95B97	63.6	62.6	.	9-30	1.0	1.0	31
Delta King XTJ057RR	63.3	.	.	9-29	1.0	1.0	36
ASGROW AG5603	63.2	63.0	.	9-29	1.0	1.0	32
Progeny 5600	63.0	64.1	59.0	9-23	1.0	1.0	34
Delta King 5668RR	62.2	63.2	.	9-28	1.0	1.0	34
Caviness	61.3	60.7	59.7	9-27	1.3	1.0	33
Southern States RT6202N	60.6	.	.	10-05	1.0	1.0	38
Pioneer Brand 9594	60.2	65.5	66.4	9-29	1.0	1.0	37
Terral TVX62R001	59.9	.	.	10-07	1.0	1.0	38
Pioneer Brand 95B96	59.8	63.1	.	9-29	1.0	1.0	37
HBK 5812	59.1	53.6	.	9-29	1.3	1.0	45
Croplan Genetics RC5892	58.7	.	.	10-01	1.0	1.0	39
Morsoy RT5900	58.4	55.8	.	10-04	1.0	1.0	41
Progeny 5900RR	58.1	55.4	55.7	10-04	1.0	1.0	40
Southern States RT5702N	57.6	.	.	9-28	1.0	1.0	42
Deltapine DP 5806RR	57.4	55.5	54.7	10-01	1.3	1.0	38
Terral TV59R85	57.0	54.6	.	10-03	1.0	1.0	37

Table 12. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2002, Continued.

Brand/Cultivar	2002 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 5.6 to 5.9) continued</u>							
UARK-5896	56.9	56.8	58.9	9-27	1.0	1.0	35
Terral TV58R11	56.7	52.9	.	9-30	1.0	1.0	37
Progeny 5811RR	56.5	.	.	9-29	1.0	1.0	41
Southern States RT5999N	56.4	55.7	.	9-30	1.0	1.0	40
Southern States 597N	56.3	56.2	54.6	10-03	1.0	1.0	41
HBK 5991	56.2	59.3	57.6	9-28	1.0	1.0	35
Delta Grow 5950RR	56.0	55.3	54.3	10-03	1.0	1.0	40
Armor 59-B9	55.5	51.4	.	9-30	1.0	1.0	40
Terral TV59R98	54.9	44.9	.	9-30	1.0	1.0	39
NK Brand S59-V6	54.7	54.0	55.6	9-27	1.0	1.0	34
Garst XR59N24	54.7	.	.	9-30	1.0	1.0	41
Dyna Gro 3600NRR	54.3	.	.	9-30	1.0	1.0	40
HBK R5820	53.7	52.1	.	10-01	1.0	1.0	37
Delsoy 5710	52.2	49.0	52.4	9-28	1.0	1.0	40
Terral TV5666RR	52.0	53.4	51.1	9-27	2.0	1.0	38
R95-2210	51.8	54.3	.	9-29	1.0	1.0	35
Delta King 5961RR	51.0	50.6	51.5	10-06	1.0	1.0	39
Garst XR57N19	50.3	.	.	9-28	1.0	1.0	38
R92-1258	47.6	52.7	51.2	10-06	1.0	1.0	40
ES Trooper RR	47.5	49.1	.	10-06	1.0	1.0	34
ES Marshal RR	46.7	45.9	.	10-05	1.0	1.0	45
Grand mean	61.1	.	.	10-01	1.0	1.0	37
LSD (5%)	6.9	.	.	2	0.3	n s	3
C.V. (%)	7.1	.	.	1	16.8	.	5

Soil Series..... Sharkey clay
 Previous Crop..... Soybean
 Row Width..... 19 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-22-02
 Herbicide Application..... 2.4 pts./A Prowl + 2.8 oz./A Scepter, 4-23-02, 2 pts./A Storm, 6-07-02,
 5 oz./A Classic, 6-17-02, 10 oz./A Select, 6-20-02
 Irrigation Dates..... 6-25-02, 7-10-02, 7-25-02, 8-05-02, 8-15-02, 9-03-02
 Harvest Dates..... MG4 Early: 9-18-02
 MG4 Late: 10-01-02
 MG5 Early: 10-02-02
 MG5 Late: 10-02-02

Precipitation (inches)

April	May	June	July	August	September	October	Total
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2002	1.2	10.4	2.5	1.9	2.7	2.7	4.3	25.7
Average	5.0	4.7	3.5	3.9	2.7	3.1	2.7	25.6
Departure	-3.8	+5.7	-1.0	-2.0	0.0	-0.4	+1.6	+0.1

Table 13. Performance of Nonirrigated Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹.

Brand/Cultivar	2002 bu/A	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>				
ASGROW AG4201	48.3	1.5	1.0	32
Delta King 4763RR	46.7	1.0	1.0	34
Deltapine 4748S	46.4	2.0	1.0	40
MPV 4102NRR	44.8	1.0	1.0	29
Delta King XTJ044RR	44.1	1.7	1.0	37
ASGROW 4603	42.9	1.3	1.0	35
Dyna Gro 3468NRR	42.7	1.3	1.0	32
KS 4602N	42.4	1.0	1.0	37
Pioneer 94B74	42.3	2.0	1.0	39
Delta King XTJ046RR	40.9	1.3	1.0	36
Pioneer 94B73	40.3	1.3	1.0	35
Morsoy RT4480	39.1	1.0	1.0	34
HBK R4622	38.8	1.0	1.0	29
Armor 47-G7	38.5	1.3	1.0	34
Golden Harvest 4772RR	38.4	1.3	1.0	33
Deltapine DP 4690RR	38.1	1.3	1.0	39
Garst 4512RR/N	37.4	1.0	1.0	30
Terral TV4589RR	36.9	1.3	1.0	36
Garst 4312RR/STS/N	36.4	1.0	1.7	27
KS 4202	36.3	1.0	1.7	27
Morsoy RT4731	35.8	1.3	1.0	32
Southern States RT4502N	35.3	1.0	1.0	37
Armor 44-R4	34.5	1.0	1.0	29
Delta King XTJ040RR	34.4	1.0	1.7	27
Delta King 4762 RR	33.7	1.3	1.0	38
Hartz H4454RR	33.5	1.0	1.0	31
Delta King 4461RR	32.7	1.0	1.0	32
ASGROW AG4403	32.6	1.0	1.0	30
Golden Harvest 4534RR	31.6	1.0	1.0	32
Southern States RT446N	31.4	1.3	1.0	35
Delta King XTJ301RR	30.7	1.0	1.0	32
Progeny 4401RR	30.2	1.3	1.0	32
Progeny 4303RR	27.8	1.0	1.0	34
Dyna Gro 3443NRR	27.3	1.0	1.3	26
Grand mean	37.4	1.2	1.1	33
LSD (5%)	11.8	0.7	0.3	.
C.V. (%)	19.5	33.8	18.3	.

Table 13. Performance of Nonirrigated Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>				
R98-1817	57.0	1.0	1.0	31
Southern States RT5001N	51.8	1.0	1.0	37
Manokin	48.5	1.0	1.0	29
Southern States RT4902N	47.3	2.0	1.0	42
Delta King XTJ048RR	45.1	2.0	1.0	34
Deltapine SG 498RR	44.9	1.7	1.0	35
Delta Grow 4860RR	44.3	1.7	1.0	37
Southern States RT517N	44.2	1.0	1.0	27
Morsoy RT4802	43.2	2.0	1.0	37
Morsoy RT 4809	42.1	1.0	1.3	34
MPV 4802NRR	42.1	1.7	1.0	36
Delta King 4965 RR	41.6	1.0	1.0	33
Garst D484RR/N	41.3	2.3	1.0	39
Southern States SS495	41.1	1.0	1.0	37
Delta Grow 4950RR	41.1	2.0	1.0	38
HBK 4944CX	41.0	2.7	1.0	42
NK Brand X248R	40.5	1.7	1.0	35
Pioneer Variety 9492	40.3	1.3	1.0	35
Progeny 4932RR	39.9	2.3	1.0	42
HBK 4891	39.6	1.7	1.0	34
Delta King 4868RR	39.6	1.0	1.0	32
HBK R4820	39.4	1.0	1.0	34
Progeny 4858RR	39.3	2.0	1.0	37
Terral TVX49CN201	38.6	2.0	1.0	41
USG 7489RR	38.3	2.0	1.0	38
HBK R4922	37.6	1.3	1.0	42
Terral TV4890 RR	37.5	2.0	1.0	41
Delta King XTJ302RR	37.5	1.0	1.0	33
Golden Harvest 4850RR	37.3	1.7	1.0	34
ASGROW AG4902	37.1	1.0	1.0	34
HBK R4920	37.0	2.0	1.0	34
Progeny 4910	36.7	1.3	1.0	38
USG 7499nRR	36.7	2.0	1.0	38
Terral TV4886RR	36.4	1.3	1.0	41
Delta King XTJ488RR	35.6	1.0	1.7	27
FFR 4900RR	34.6	1.0	1.0	30
Dixie 4803	34.1	1.7	1.0	36
ES Prairie RRI	33.9	2.3	1.0	41
Dyna Gro 3484NRR	33.7	1.0	1.0	34
Hartz H4884RR	30.0	1.7	1.0	36
Southern States RT4980	29.3	1.3	1.0	36
Grand mean	39.9	1.6	1.0	36
LSD (5%)	11.8	0.9	0.3	.
C.V. (%)	18.2	33.9	19.5	.

AAES Research Series 500. University of Arkansas, Division of Agriculture, Variety Testing Program.

Table 13. Performance of Nonirrigated Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>				
USG 7522nRR	56.4	1.7	1.0	34
Morsoy RT5442	55.4	1.0	1.0	30
Southern States RT540N	54.4	1.7	1.0	33
ASGROW A5427	53.7	1.3	1.0	23
Progeny 5250RR	52.9	1.0	1.0	32
Morsoy RT5252	52.5	1.0	1.0	30
R96-209	52.3	1.7	1.0	36
Delta Grow 5250RR	51.5	1.3	1.0	36
Anand	51.2	1.7	1.0	30
Deltapine DP5110S	51.1	2.3	1.0	48
Dyna Gro 3518NRR	51.1	1.3	1.0	30
Armor 54-Z4	50.8	1.7	1.0	34
Progeny 5415RR	50.4	1.0	1.0	34
ASGROW AG5301	50.4	1.3	1.0	40
Terral TV52R42	50.2	2.0	1.0	34
Armor 53-K3	49.7	1.3	1.0	30
Hartz H5223RR	49.3	2.3	1.0	30
Delsoy 5500	49.2	1.3	1.0	32
Hutcheson	49.1	2.0	1.0	38
Golden Harvest 5492RR	49.0	2.0	1.0	30
Southern States RT557N	48.6	2.3	1.0	40
Southern States SS5200STS	48.6	2.3	1.0	44
Hartz H5444RR	48.3	1.3	1.0	38
Dyna Gro 3543NRR	48.1	1.0	1.0	33
Pioneer Brand 95B43	48.1	1.7	1.0	39
Croplan Genetics RC5454	47.8	1.0	1.0	32
Armor 52-C2	47.7	1.7	1.0	36
Pioneer Brand 95B32	47.5	1.3	1.0	24
ES Ranger RR	47.5	2.0	1.0	30
USG 540NRR	47.4	1.3	1.0	30
USG 510NRR	47.3	1.7	1.0	37
Morsoy RT5440	47.1	1.0	1.0	33
R95-1705	47.1	1.0	1.0	30
Terral TV54R11	47.0	1.0	1.0	32
Croplan Genetics RC5252	47.0	1.3	1.0	36
Dyna Gro 3521NRR	46.8	1.0	1.0	34
NK Brand S52-U3	46.3	2.3	1.0	32
Delta King XTJ053RR	46.3	1.3	1.0	34
Progeny 5120N	46.0	2.3	1.0	43
HBK R5422	46.0	1.7	1.0	39
AXR 5135	46.0	1.3	1.3	38
Delta Grow 5450RR	45.9	1.7	1.0	36
Pioneer Brand 95B42	45.6	2.0	1.0	44

Table 13. Performance of Nonirrigated Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) continued</u>				
Croplan Genetics RC5332	45.5	1.0	1.0	33
MPV 5302NRR	45.4	1.3	1.0	33
Delta Grow 5530	45.3	2.3	1.0	40
99VPI-67	45.3	1.3	1.0	36
Delta King XTJ051RR	44.5	1.3	1.0	32
Garst 5512RRN	44.2	1.3	1.0	36
ASGROW AG5501	44.0	1.3	1.0	40
Delta King 5465RR	43.9	1.0	1.0	33
99VPI-120	43.8	1.7	1.0	35
Deltapine DP5414RR	43.6	2.0	1.0	44
Terral TV5486RR	43.3	2.0	1.0	45
KS 5502N	43.3	1.3	1.0	32
Delta King XTJ303RR	42.4	2.3	1.0	39
Delta King XTJ055RR	41.9	1.3	1.0	30
Dyna Gro 3535NRR	41.5	1.7	1.0	37
Delta Grow 5350RR	41.4	1.3	1.0	31
Progeny 5580RR	41.4	1.3	1.0	35
FFR 5225RR	41.3	1.7	1.0	40
Progeny 5001RR	40.1	1.0	1.0	42
Delta King 5366RR	39.5	2.0	1.0	36
Progeny 5440RR	38.4	1.0	1.0	35
MPV 5502NRR	37.9	1.7	1.0	32
ES Punch RR	37.4	2.0	1.0	43
HBK R5101	37.2	1.7	1.0	40
Southern States RT5302N	36.5	1.0	1.0	32
Grand mean	46.5	1.5	1.0	35
LSD (5%)	7.9	1.0	0.1	.
C.V. (%)	10.6	40.7	7.0	.
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>				
USG 5601T	53.2	1.3	1.0	41
Caviness	47.2	3.7	1.0	39
Delta Grow 5960RR	45.9	2.0	1.0	42
USG 7582nRR	45.9	1.7	1.0	40
Pioneer Brand 9594	45.8	2.3	1.0	41
Progeny 5822RR	45.8	1.7	1.0	39
Dyna Gro 3583NRR	45.6	2.0	1.0	40
ASGROW AG5903	44.4	3.0	1.0	39
Delta King 5850	43.4	1.3	1.0	36
Delta King 5668RR	43.4	2.3	1.0	36
Delta King 5995	42.9	1.0	1.0	38

Table 13. Performance of Nonirrigated Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>				
Delta King XTJ059RR	42.3	2.3	1.0	44
ASGROW AG5603	42.0	1.0	1.0	33
Progeny 5660RR	41.8	2.0	1.0	38
HBK 5991	41.7	1.7	1.0	38
Pioneer Brand 95B97	41.3	2.0	1.0	38
Terral TV5666RR	41.1	3.0	1.0	42
Deltapine DP5915RR	41.1	1.7	1.0	41
Delta Grow 5630RR	40.8	1.0	1.0	41
Pioneer Brand 95B96	40.6	1.7	1.0	38
DT96-6840	40.5	1.7	1.0	34
Morsoy RT5620	40.2	1.7	1.0	39
HBK R5620	39.9	2.0	1.0	42
Progeny 5811RR	39.9	2.0	1.0	40
Armor 56-C4	39.3	1.3	1.0	38
UARK-5896	39.2	1.3	1.0	36
Progeny 5600	39.1	3.0	1.0	38
Hartz H5887RR	39.1	2.0	1.0	38
Terral TV58R11	38.8	2.0	1.0	42
R95-2210	38.7	2.0	1.0	42
Southern States RT5999N	38.7	2.3	1.0	45
USG 570NRR	38.3	1.7	1.0	40
Southern States RT5702N	38.3	1.7	1.0	44
Armor 59-B9	38.2	2.0	1.0	44
NK Brand S59-V6	38.1	3.3	1.0	36
Armor 56-J6	37.9	1.3	1.0	39
R92-1258	37.7	1.0	1.0	42
Terral TV59R85	37.6	1.7	1.0	41
HBK R5820	37.6	1.7	1.0	41
Terral TVX62R001	37.4	2.0	1.3	42
Delta Grow 5950RR	36.9	1.7	1.0	44
Dyna Gro 3562NRR	36.9	1.3	1.0	36
HBK 5812	36.9	2.7	1.0	43
Terral TV56R11	36.7	1.7	1.0	43
Delta King XTJ057RR	36.2	2.0	1.0	41
ASGROW AG5701	36.0	1.0	1.0	36
Southern States 597N	35.5	2.0	1.0	44
Progeny 5900RR	35.4	1.0	1.0	44
Dyna Gro 3600NRR	35.3	2.3	1.0	44
Delta King 5661RR	34.9	1.3	1.0	40
HBK R6020	34.6	1.7	1.0	42
Southern States RT6202N	33.9	2.0	1.3	42
Terral TV59R98	33.7	2.0	1.0	44
Delsoy 5710	33.1	3.0	1.0	44

Table 13. Performance of Nonirrigated Soybean Cultivars, Burton Brothers Farm, Lafayette Co., AR, 2002¹, Continued.

Brand/Cultivar	2002 bu/A	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>				
Morsoy RT5900	33.1	2.3	1.0	44
Deltapine DP 5806RR	32.6	3.0	1.3	42
Delta King 5961RR	30.7	1.0	1.3	42
ES Trooper RR	30.3	1.7	1.7	40
ES Marshal RR	24.7	2.3	2.3	40
Grand mean	39.0	1.9	1.1	40
LSD (5%)	5.8	0.9	0.3	.
C.V. (%)	9.1	27.7	17.3	.

¹ The tests at Burton Brothers Farm is a new location for 2002, therefore 2- and 3-year averages are not available.

Soil Series..... Billyhaw clay
 Previous Crop..... Corn
 Row Width..... 20 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-09-02, 5-21-02
 Herbicide Application..... 1.5 pts./A Touchdown + 1.6 pts./A Dual Magnum + 1.75 oz./A Scepter, 5-21-02
 1.25 pt./A Blazer + 1 pt./A Basagran, 6-18-02
 Harvest Dates..... MG4 Early:9-11-02
 MG4 Late: 9-11-02
 MG5 Early:9-26-02
 MG5 Late: 9-26-02

Table 14. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2002^{1,2}.

Brand/Cultivar	2002 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>						
Deltapine 4748S	65.2	58.0	10-07	1.0	1.0	36
Delta King 4763RR	63.1	55.8	10-10	1.0	1.0	29
Garst 4312RR/STS/N	62.9	.	10-06	1.0	1.0	32
Morsoy RT4731	62.8	.	10-10	1.0	1.0	33
HBK R4622	61.6	.	10-08	1.0	1.0	31
Armor 47-G7	60.8	55.0	10-11	1.0	1.0	33
Pioneer 94B73	60.1	.	10-08	1.0	1.0	27
Delta King XTJ040RR	59.9	.	10-05	1.0	1.0	34
ASGROW AG4201	58.1	.	10-06	1.0	1.0	36
Delta King XTJ046RR	58.1	.	10-06	1.0	2.0	40
Southern States RT4502N	58.0	.	10-04	1.0	1.0	41
Hartz H4454RR	57.0	.	10-05	1.0	1.0	30
Golden Harvest 4772RR	56.8	.	10-12	1.0	1.0	29
Delta King XTJ044RR	54.9	.	10-06	1.0	1.0	29
KS 4202	54.0	.	10-01	1.0	1.0	29
Delta King 4461RR	53.8	48.9	10-07	1.0	2.0	33
KS 4602N	53.0	.	10-04	1.0	1.0	27
Morsoy RT4480	52.5	.	10-06	1.0	2.0	37
ASGROW 4603	52.1	.	10-12	1.0	1.0	33
MPV 4102NRR	52.1	.	10-08	1.0	1.0	28
ASGROW AG4403	50.5	48.4	10-02	1.0	1.0	33
Deltapine DP 4690RR	50.0	45.2	10-09	1.0	1.0	34
Armor 44-R4	49.9	48.6	10-05	1.0	1.0	31
Southern States RT446N	49.8	.	10-07	1.0	1.0	27
Dyna Gro 3443NRR	49.5	48.0	10-06	1.0	1.0	27
Garst 4512RR/N	49.2	.	10-06	1.0	1.0	33
Terral TV4589RR	48.3	44.7	10-03	1.0	1.0	29
Delta King 4762 RR	46.6	44.8	10-12	1.0	1.0	44
Delta King XTJ301RR	46.1	.	10-08	1.0	1.0	32
Progeny 4401RR	45.9	.	10-05	1.0	1.0	33
Dyna Gro 3468NRR	45.8	37.7	10-08	1.0	1.0	27
Pioneer 94B74	44.2	.	10-09	1.0	1.0	32
Golden Harvest 4534RR	43.7	.	10-07	1.0	2.0	30
Progeny 4303RR	42.7	.	10-06	1.0	1.0	37
Grand mean	53.5	.	10-07	1.0	1.1	32
LSD (5%)	9.0	.	2	n s	n s	.
C.V. (%)	10.4	.	1	.	.	.

Table 14. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2002^{1,2}, Continued.

Brand/Cultivar	2002 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>						
R98-1817	66.5	.	10-12	1.0	1.0	35
Delta King 4868RR	61.8	53.1	10-08	1.0	1.0	35
Morsoy RT 4809	61.4	48.7	10-08	1.0	1.0	36
Delta King XTJ488RR	60.3	.	10-07	1.0	1.0	35
Delta King XTJ048RR	59.1	.	10-12	1.0	1.0	33
Morsoy RT4802	58.4	.	10-09	1.0	1.0	35
HBK 4891	57.7	50.4	10-09	1.0	1.0	39
USG 7499nRR	56.6	.	10-14	1.0	1.0	39
Pioneer Variety 9492	56.5	48.4	10-09	1.0	1.0	35
Delta Grow 4950RR	55.9	48.4	10-12	1.0	1.0	39
USG 7489RR	55.6	49.3	10-07	1.0	1.0	36
HBK R4922	55.3	.	10-05	1.0	1.0	34
Southern States SS495	54.9	.	10-07	1.0	1.0	33
Hartz H4884RR	54.8	46.6	10-13	1.0	1.0	37
Dyna Gro 3484NRR	54.0	49.9	10-11	1.0	1.0	31
Delta Grow 4860RR	53.9	.	10-10	1.0	1.0	33
Garst D484RR/N	53.4	.	10-16	1.0	1.0	38
Dixie 4803	53.2	48.6	10-13	1.0	1.0	41
Progeny 4910	53.1	49.6	10-14	1.0	1.0	35
HBK R4820	53.1	49.6	10-06	1.0	1.0	35
Southern States RT517N	52.9	.	10-15	1.0	1.0	28
Progeny 4932RR	52.5	.	10-07	1.0	1.0	36
Delta King XTJ302RR	52.4	.	10-10	1.0	1.0	27
Southern States RT4980	51.6	46.4	10-13	1.0	1.0	33
ASGROW AG4902	51.4	46.0	10-10	1.0	1.0	33
Progeny 4858RR	51.3	48.0	10-12	1.0	1.0	31
NK Brand X248R	51.2	.	10-13	1.0	1.0	29
Southern States RT4902N	50.9	.	10-05	1.0	1.0	37
Terral TV4886RR	50.7	46.5	10-11	1.0	1.0	41
Golden Harvest 4850RR	50.1	.	10-13	1.0	1.0	33
HBK R4920	49.5	45.2	10-13	1.0	1.0	26
Terral TV4890 RR	49.4	45.4	10-04	1.0	1.0	41
Southern States RT5001N	48.7	.	10-12	1.0	1.0	29
HBK 4944CX	48.1	.	10-04	1.0	1.0	42
Manokin	47.8	46.7	10-13	1.0	1.0	33
ES Prairie RRI	47.4	45.0	10-13	1.0	1.0	29
Deltapine SG 498RR	47.3	45.1	10-12	1.0	1.0	34
Terral TVX49CN201	46.1	.	10-05	1.0	1.0	41
Delta King 4965 RR	46.0	45.1	10-13	1.0	1.0	30
MPV 4802NRR	42.6	.	10-08	1.0	1.0	40
FFR 4900RR	41.5	40.6	10-14	1.0	1.0	25
Grand mean	52.8	.	10-10	1.0	1.0	34
LSD (5%)	8.0	.	n s	n s	n s	.

AAES Research Series 500. University of Arkansas, Division of Agriculture, Variety Testing Program.

Table 14. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2002^{1,2}, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>						
HBK R5620	68.9	58.0	10-21	1.0	1.0	32
USG 570NRR	65.1	53.3	10-22	1.0	1.0	36
USG 7582nRR	64.5	.	10-23	1.0	1.0	36
Delta King 5995	64.4	54.7	10-24	1.0	1.0	18
Southern States 597N	64.4	48.3	10-22	1.0	1.0	29
Pioneer Brand 9594	64.0	52.9	10-22	2.0	1.0	41
DT96-6840	62.9	.	10-22	1.0	1.0	23
Delta King XTJ059RR	61.7	.	10-19	1.0	1.0	32
USG 5601T	61.6	58.2	10-18	1.3	1.0	43
Delta King 5661RR	61.5	53.8	10-21	3.0	1.0	38
Dyna Gro 3562NRR	61.2	54.2	10-19	1.0	1.0	28
Armor 56-C4	60.9	.	10-22	1.0	1.0	25
Progeny 5660RR	60.7	53.3	10-20	1.0	1.0	32
ASGROW AG5701	59.8	52.1	10-22	2.0	1.0	38
Terral TV58R11	59.8	50.0	10-24	1.0	1.0	26
HBK 5812	59.8	48.5	10-24	4.0	1.0	33
Delta Grow 5960RR	59.0	.	10-19	1.0	1.0	32
Southern States RT6202N	58.5	.	10-22	1.0	1.0	40
Terral TV56R11	58.3	53.3	10-21	1.0	1.0	33
Terral TVX62R001	58.1	.	10-25	3.0	1.0	40
Progeny 5822RR	57.9	.	10-19	1.0	1.0	30
Morsoy RT5620	57.1	50.8	10-19	1.0	1.0	30
Dyna Gro 3583NRR	56.8	.	10-18	1.0	1.0	29
Pioneer Brand 95B96	56.3	47.8	10-18	1.0	1.0	32
Caviness	55.8	49.2	10-15	1.3	1.0	33
Progeny 5600	55.7	47.2	10-17	1.0	1.0	31
ASGROW AG5903	55.6	.	10-19	2.0	1.0	41
Delta King 5961RR	54.5	46.1	10-20	1.0	1.0	36
Progeny 5900RR	53.8	48.1	10-17	1.0	1.0	24
Pioneer Brand 95B97	53.6	49.2	10-19	1.0	1.0	32
Delta King XTJ057RR	53.6	.	10-17	1.0	1.0	34
HBK R6020	53.4	.	10-26	1.0	1.0	28
Delta Grow 5950RR	53.3	48.5	10-18	2.0	1.0	39
Terral TV59R85	52.9	45.7	10-21	2.0	1.0	39
Hartz H5887RR	52.6	.	10-21	1.0	1.0	32
Delta King 5850	52.5	46.1	10-20	1.0	1.0	21
UARK-5896	52.1	42.8	10-17	1.0	1.0	28
Deltapine DP 5806RR	51.1	47.1	10-22	1.0	1.0	32
Morsoy RT5900	50.9	45.4	10-26	1.3	1.0	29
Armor 56-J6	50.6	49.4	10-25	1.3	1.0	29
Delta King 5668RR	49.7	48.8	10-17	1.3	1.0	27
NK Brand S59-V6	49.5	44.1	10-20	1.0	1.0	22
HBK 5991	48.9	46.8	10-21	1.0	1.0	22

Table 14. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2002^{1,2}, Continued.

Brand/Cultivar	2002 bu/A	2-Year Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>						
Southern States RT5999N	47.9	42.1	10-20	1.0	1.0	34
ASGROW AG5603	47.5	46.0	10-19	1.0	1.0	27
R95-2210	46.0	42.3	10-20	1.0	1.0	28
Deltapine DP5915RR	44.7	45.4	10-22	1.0	1.0	22
ES Marshal RR	44.7	37.6	10-22	3.0	1.0	37
Dyna Gro 3600NRR	44.3	.	10-21	1.0	1.0	34
Southern States RT5702N	44.2	.	10-19	1.0	1.0	28
Delsoy 5710	43.7	43.1	10-19	1.0	1.0	35
Terral TV59R98	42.7	40.8	10-17	2.0	1.0	44
Delta Grow 5630RR	41.7	42.7	10-20	1.0	1.0	27
ES Trooper RR	41.3	34.8	10-21	1.3	1.0	33
Armor 59-B9	40.6	37.7	10-20	1.0	1.0	24
Progeny 5811RR	37.8	.	10-19	1.0	1.0	41
HBK R5820	37.6	38.1	10-17	1.3	1.0	22
R92-1258	36.8	.	10-30	1.0	1.0	24
Terral TV5666RR	28.9	35.3	10-17	1.0	1.0	28
Grand mean	53.1	.	10-20	1.3	1.0	31
LSD (5%)	11.9	.	n s	0.3	n s	.
C.V. (%)	13.7	.	.	15.0	.	.

¹ Due to poor uniformity, the MG5 early test will not be reported.

² There were no data reported for 1999 and 2000, therefore 3-year averages are not available.

Soil Series..... Sharkey clay
 Previous Crop..... Wheat
 Row Width..... 19 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 6-21-02
 Herbicide Application..... 3 pts./A Squadron + 1 pt./A Prowl, 6-20-02, 1.5 pt./A Reflex + 8 oz./A Select, 7-08-02
 Irrigation Dates..... 7-02-02, 7-11-02, 7-15-02, 7-29-02, 7-30-02, 8-06-02, 8-07-02, 9-06-02, 9-09-02
 Harvest Dates..... MG4 Early: 10-27-02
 MG4 Late: 10-27-02
 MG5 Early: 11-17-02
 MG5 Late: 11-17-02

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2002	0.1	5.7	3.4	2.0	5.9	5.3	4.6	27.0

Average	5.0	5.2	4.0	3.7	2.9	3.9	3.0	27.8
Departure	-4.9	+0.5	-0.6	-1.7	+3.0	+1.4	+1.6	-0.8

Table 15. Tolerance of Soybean Cultivars to Propanil Drift, 2002¹.

Brand/Cultivar	Propanil 7DAA ²	Propanil 21DAA ²
	% injury	% injury
<u>Early-Planted Cultivars</u>		
Armor 39-E9	23	0
Armor 42L2	25	0
ASGROW AG3702	27	3
ASGROW AG3903	27	5
Croplan Genetics RC4444	23	0
Croplan Genetics RC4772	27	5
Croplan Genetics RC4992	30	8
Delta King 3862RR	30	2
Delta King 3961RR	25	2
Delta King 3964RR	25	0
Delta King 3968RR	28	3
Deltapine DPX3761RR	27	3
Deltapine DPX3819RR	28	2
Deltapine DPX3940RR	27	2
FFR 4455RR	25	3
FFR 4712RR	27	5
FFR 4891RR	23	3
FFR 4922RR	25	2
Hartz H3090RR	27	3
HBK R3980	25	0
Morsoy RT3881	25	0
NK Brand S39-Q4	20	0
NK Brand S40-R9	30	5
NK Brand S46-G2	30	5
Pioneer Brand 94B13	23	0
Pioneer Brand 94B54	25	0
Southern States RT3799N	28	3
Southern States RT3802N	27	0
Terral TVX39R201	30	0
Grand mean	26	2

Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)

Armor 44-R4	25	0
Armor 44-R5	30	2
Armor 47-G7	32	5
ASGROW 4603	32	2
ASGROW AG4201	28	2
ASGROW AG4403	28	0
Delta King 4461RR	27	0
Delta King 4762 RR	32	2
Delta King 4763RR	33	2

Table 15. Tolerance of Soybean Cultivars to Propanil Drift, 2002¹, Continued.

Brand/Cultivar	Propanil 7DAA ²	Propanil 21DAA ²
	% injury	% injury

Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) continued

Delta King XTJ040RR	28	0
Delta King XTJ044RR	28	2
Delta King XTJ046RR	32	3
Delta King XTJ301RR	27	0
Deltapine 4748S	28	0
Deltapine DP 4690RR	25	2
Deltapine DPX4431RR	27	2
Deltapine DPX4527RR	28	2
Deltapine DPX4727RR	32	2
Dyna Gro 3443NRR	28	0
Dyna Gro 3468NRR	35	8
Garst 4312RR/STS/N	27	0
Garst 4512RR/N	32	8
Golden Harvest 4534RR	30	2
Golden Harvest 4772RR	32	3
Hartz H4454RR	25	0
HBK R4622	28	0
KS 4202	30	0
KS 4602N	27	3
Morsoy RT4480	28	0
Morsoy RT4731	32	2
MPV 4102NRR	30	0
Pioneer 94B73	33	3
Pioneer 94B74	28	5
Progeny 4303RR	28	7
Progeny 4401RR	35	8
Southern States RT446N	28	0
Southern States RT4502N	32	5
Terral TV4589RR	30	2
Grand mean	29	2

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

ASGROW AG4902	30	2
Delta Grow 4860RR	27	0
Delta Grow 4950RR	30	2
Delta King 4868RR	27	0
Delta King 4965 RR	30	2
Delta King XTJ048RR	30	0
Delta King XTJ302RR	30	2
Delta King XTJ488RR	25	2

Table 15. Tolerance of Soybean Cultivars to Propanil Drift, 2002¹, Continued.

Brand/Cultivar	Propanil 7DAA ²	Propanil 21DAA ²
	% injury	% injury
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) continued</u>		
Deltapine DPX4933RR	25	0
Deltapine DPX99-328	32	3
Deltapine SG 498RR	28	2
Dixie 4803	30	0
DT98-7278	50	8
DT98-9102	28	0
Dyna Gro 3484NRR	30	0
ES Prairie RRI	33	2
FFR 4900RR	35	2
Garst D484RR/N	32	2
Garst XC49Y30	33	3
Garst XR49N49	30	2
Golden Harvest 4850RR	32	3
Hartz H4884RR	37	2
HBK 4891	28	2
HBK 4944CX	22	0
HBK R4820	28	2
HBK R4920	35	3
HBK R4922	32	2
Manokin	32	0
Morsoy RT 4809	37	3
Morsoy RT4802	32	2
MPV 4802NRR	27	2
NK Brand X248R	38	10
Pioneer Variety 9492	32	5
Progeny 4858RR	30	0
Progeny 4910	30	3
Progeny 4932RR	35	7
R98-1817	28	0
Southern States SS495	32	2
Southern States RT4902N	32	3
Southern States RT4980	28	2
Southern States RT5001N	32	2
Southern States RT517N	48	2
Terral TV4886RR	28	0
Terral TV4890 RR	35	3
Terral TVX49CN201	27	0
USG 7489RR	25	2
USG 7499nRR	30	2
Grand mean	31	2

Table 15. Tolerance of Soybean Cultivars to Propanil Drift, 2002¹, Continued.

Brand/Cultivar	Propanil 7DAA ²	Propanil 21DAA ²
	% injury	% injury
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>		
99VPI-120	38	12
99VPI-67	35	3
Anand	35	2
Armor 52-C2	42	3
Armor 53-K3	30	0
Armor 54-Z4	33	7
ASGROW A5427	37	0
ASGROW AG5301	25	12
ASGROW AG5501	28	2
AXR 5135	35	3
Croplan Genetics RC5252	40	8
Croplan Genetics RC5332	33	0
Croplan Genetics RC5454	33	7
Delsoy 5500	35	15
Delta Grow 5250RR	43	17
Delta Grow 5350RR	30	2
Delta Grow 5450RR	33	0
Delta Grow 5530	40	3
Delta King 5366RR	30	5
Delta King 5465RR	23	0
Delta King XTJ051RR	42	13
Delta King XTJ053RR	38	8
Delta King XTJ055RR	42	12
Delta King XTJ303RR	35	5
Deltapine DP5110S	33	3
Deltapine DP5414RR	33	3
DT97-6308	37	3
Dyna Gro 3521NRR	40	10
Dyna Gro 3535NRR	30	2
Dyna Gro 3518NRR	33	2
Dyna Gro 3543NRR	33	2
ES Punch RR	32	0
ES Ranger RR	28	0
FFR 5225RR	40	13
Garst 5512RRN	28	0
Garst XR53N91	37	10
Garst XRS53N64	37	13
Golden Harvest 5492RR	27	0
Hartz H5223RR	33	3
Hartz H5444RR	38	10
HBK R5101	32	2
HBK R5422	40	10
Hutcheson	30	0

Table 15. Tolerance of Soybean Cultivars to Propanil Drift, 2002¹, Continued.

Brand/Cultivar	Propanil 7DAA ² % injury	Propanil 21DAA ² % injury
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) continued</u>		
KS 5502N	27	0
Morsoy RT5252	33	0
Morsoy RT5440	33	8
Morsoy RT5442	30	0
MPV 5302NRR	32	0
MPV 5502NRR	30	2
NK Brand S52-U3	28	2
Pioneer Brand 95B32	32	0
Pioneer Brand 95B42	47	17
Pioneer Brand 95B43	35	5
Progeny 5001RR	32	2
Progeny 5120N	28	2
Progeny 5250RR	38	15
Progeny 5415RR	35	3
Progeny 5440RR	42	7
Progeny 5580RR	28	0
R95-1705	30	0
R96-209	43	15
S99-2447-2RR	32	2
S99-2461RR	40	5
Southern States SS5200STS	33	7
Southern States RT5302N	38	2
Southern States RT540N	50	17
Southern States RT557N	40	3
Terral TV52R42	33	3
Terral TV5486RR	38	2
Terral TV54R11	32	3
USG 510NRR	45	7
USG 540NRR	32	3
USG 7522nRR	30	0
Grand mean	35	5
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>		
Armor 56-C4	38	2
Armor 56-J6	28	2
Armor 59-B9	45	8
ASGROW AG5603	30	2
ASGROW AG5701	23	0
ASGROW AG5903	33	8
Caviness	45	17

Table 15. Tolerance of Soybean Cultivars to Propanil Drift, 2002¹, Continued.

Brand/Cultivar	Propanil 7DAA ²	Propanil 21DAA ²
	% injury	% injury
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>		
Croplan Genetics RC5892	27	0
Croplan Genetics RC5972	32	3
Delsoy 5710	30	3
Delta Grow 5630RR	35	5
Delta Grow 5950RR	27	0
Delta Grow 5960RR	25	2
Delta King 5661RR	28	5
Delta King 5668RR	35	7
Delta King 5850	45	20
Delta King 5961RR	33	3
Delta King 5995	32	7
Delta King XTJ057RR	28	5
Delta King XTJ059RR	32	2
Deltapine DP 5806RR	28	0
Deltapine DP5915RR	32	7
Deltapine DPX5734RR	33	7
DT96-6840	40	7
Dyna Gro 3562NRR	55	23
Dyna Gro 3583NRR	35	8
Dyna Gro 3600NRR	33	0
ES Marshal RR	33	3
ES Trooper RR	27	2
Garst XR57N19	33	0
Garst XR59N24	25	0
Hartz H5887RR	30	2
HBK 5812	33	7
HBK 5991	27	0
HBK R5620	28	2
HBK R5820	52	22
HBK R6020	33	5
Morsoy RT5620	45	17
Morsoy RT5900	30	3
NK Brand S59-V6	27	0
Pioneer Brand 9594	28	0
Pioneer Brand 95B96	27	2
Pioneer Brand 95B97	32	3
Progeny 5600	25	2
Progeny 5660RR	27	0
Progeny 5811RR	33	0
Progeny 5822RR	27	0
Progeny 5900RR	25	0
R92-1258	37	0
R95-2210	32	3

Table 15. Tolerance of Soybean Cultivars to Propanil Drift, 2002¹, Continued.

Brand/Cultivar	Propanil 7DAA ²	Propanil 21DAA ²
	% injury	% injury
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>		
Southern States 597N	37	3
Southern States RT5702N	30	0
Southern States RT5999N	23	0
Southern States RT6202N	33	8
Terral TV5666RR	40	7
Terral TV56R11	33	5
Terral TV58R11	40	13
Terral TV59R85	30	5
Terral TV59R98	48	20
Terral TVX62R001	32	2
UARK-5896	33	2
USG 5601T	32	2
USG 570NRR	38	2
USG 7582nRR	30	0
Grand mean	33	5

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 7DAA and 21DAA represent ratings seven and twenty-one days after propanil application, respectively. Ratings by Ms. Marilyn McClelland.

Table 16. Results of Greenhouse Tests for Soil Chloride Reaction, 2002¹.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Early-Planted Cultivars</u>		
Armor 39-E9	0	5
Armor 42L2	5	0
ASGROW AG3702	5	0
ASGROW AG3903	5	0
Croplan Genetics RC4444	5	0
Croplan Genetics RC4772	5	0
Croplan Genetics RC4992	5	0
Delta King 3862RR	5	0
Delta King 3961RR	3	2
Delta King 3964RR	5	0
Delta King 3968RR	2	3
Deltapine DPX3761RR	4	1
Deltapine DPX3819RR	5	0
Deltapine DPX3940RR	5	0
FFR 4455RR	5	0
FFR 4712RR	5	0
FFR 4891RR	5	0
FFR 4922RR	5	0
Hartz H3090RR	5	0
HBK R3980	5	0
Morsoy RT3881	3	2
NK Brand S39-Q4	5	0
NK Brand S40-R9	5	0
NK Brand S46-G2	0	5
Pioneer Brand 94B13	5	0
Pioneer Brand 94B54	4	1
Southern States RT3799N	5	0
Southern States RT3802N	5	0
Terral TVX39R201	5	0

Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)

Armor 44-R4	5	0
Armor 44-R5	5	0
Armor 47-G7	5	0
ASGROW AG4603	2	3
ASGROW AG4201	5	0
ASGROW AG4403	5	0
Delta King 4461RR	5	0
Delta King 4762 RR	0	5
Delta King 4763RR	5	0

Table 16. Results of Greenhouse Tests for Soil Chloride Reaction, 2002¹, Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) continued</u>		
Delta King XTJ040RR	0	5
Delta King XTJ044RR	4	1
Delta King XTJ046RR	4	1
Delta King XTJ301RR	5	0
Deltapine 4748S	5	0
Deltapine DP 4690RR	5	0
Deltapine DPX4431RR	5	0
Deltapine DPX4527RR	5	0
Deltapine DPX4727RR	3	2
Dyna Gro 3443NRR	5	0
Dyna Gro 3468NRR	5	0
Garst 4312RR/STS/N	5	0
Garst 4512RR/N	5	0
Golden Harvest 4534RR	5	0
Golden Harvest 4772RR	5	0
Hartz H4454RR	5	0
HBK R4622	5	0
KS 4202	5	0
KS 4602N	2	3
Morsoy RT4480	5	0
Morsoy RT4731	5	0
MPV 4102NRR	4	1
Pioneer 94B73	5	0
Pioneer 94B74	5	0
Progeny 4303RR	5	0
Progeny 4401RR	5	0
Southern States RT446N	0	5
Southern States RT4502N	5	0
Terral TV4589RR	2	3
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>		
ASGROW AG4902	0	5
Delta Grow 4860RR	0	5
Delta Grow 4950RR	5	0
Delta King 4868RR	5	0
Delta King 4965 RR	0	5
Delta King XTJ048RR	5	0
Delta King XTJ302RR	5	0
Delta King XTJ488RR	5	0

Table 16. Results of Greenhouse Tests for Soil Chloride Reaction, 2002¹, Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) continued</u>		
Deltapine DPX4933RR	5	0
Deltapine DPX99-328	1	4
Deltapine SG 498RR	0	5
Dixie 4803	5	0
DT98-7278	5	0
DT98-9102	0	5
Dyna Gro 3484NRR	5	0
ES Prairie RRI	3	2
FFR 4900RR	5	0
Garst D484RR/N	5	0
Garst XC49Y30	1	4
Garst XR49N49	5	0
Golden Harvest 4850RR	5	0
Hartz H4884RR	5	0
HBK 4891	5	0
HBK 4944CX	4	1
HBK R4820	5	0
HBK R4920	5	0
HBK R4922	5	0
Manokin	0	5
Morsoy RT 4809	5	0
Morsoy RT4802	5	0
MPV 4802NRR	5	0
NK Brand X248R	5	0
Pioneer Variety 9492	5	0
Progeny 4858RR	5	0
Progeny 4910	5	0
Progeny 4932RR	5	0
R98-1817	5	0
Southern States SS495	5	0
Southern States RT4902N	5	0
Southern States RT4980	5	0
Southern States RT5001N	5	0
Southern States RT517N	5	0
Terral TV4886RR	0	5
Terral TV4890 RR	1	4
Terral TVX49CN201	1	4
USG 7489RR	5	0
USG 7499nRR	5	0

Table 16. Results of Greenhouse Tests for Soil Chloride Reaction, 2002¹, Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>		
99VPI-120	5	0
99VPI-67	5	0
Anand	0	5
Armor 52-C2	5	0
Armor 53-K3	5	0
Armor 54-Z4	5	0
ASGROW A5427	5	0
ASGROW AG5301	0	5
ASGROW AG5501	0	5
AXR 5135	3	2
Croplan Genetics RC5252	0	5
Croplan Genetics RC5332	5	0
Croplan Genetics RC5454	5	0
Delsoy 5500	5	0
Delta Grow 5250RR	5	0
Delta Grow 5350RR	5	0
Delta Grow 5450RR	5	0
Delta Grow 5530	5	0
Delta King 5366RR	0	5
Delta King 5465RR	5	0
Delta King XTJ051RR	0	5
Delta King XTJ053RR	5	0
Delta King XTJ055RR	5	0
Delta King XTJ303RR	0	5
Deltapine DP5110S	5	0
Deltapine DP5414RR	0	5
DT97-6308	5	0
Dyna Gro 3521NRR	0	5
Dyna Gro 3535NRR	0	5
Dyna Gro 3518NRR	1	4
Dyna Gro 3543NRR	5	0
ES Punch RR	2	3
ES Ranger RR	0	5
FFR 5225RR	5	0
Garst 5512RRN	5	0
Garst XR53N91	5	0
Garst XRS53N64	5	0
Golden Harvest 5492RR	5	0
Hartz H5223RR	5	0
Hartz H5444RR	5	0
HBK R5101	5	0
HBK R5422	5	0
Hutcheson	5	0

Table 16. Results of Greenhouse Tests for Soil Chloride Reaction, 2002¹, Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) continued</u>		
KS 5502N	5	0
Morsoy RT5252	0	5
Morsoy RT5440	5	0
Morsoy RT5442	5	0
MPV 5302NRR	5	0
MPV 5502NRR	5	0
NK Brand S52-U3	0	5
Pioneer Brand 95B32	4	1
Pioneer Brand 95B42	0	5
Pioneer Brand 95B43	5	0
Progeny 5001RR	5	0
Progeny 5120N	2	3
Progeny 5250RR	0	5
Progeny 5415RR	4	1
Progeny 5440RR	5	0
Progeny 5580RR	5	0
R95-1705	5	0
R96-209	4	1
S99-2447-2RR	5	0
S99-2461RR	5	0
Southern States SS5200STS	5	0
Southern States RT5302N	5	0
Southern States RT540N	5	0
Southern States RT557N	5	0
Terral TV52R42	5	0
Terral TV5486RR	5	0
Terral TV54R11	5	0
USG 510NRR	0	5
USG 540NRR	4	1
USG 7522nRR	4	1
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>		
Armor 56-C4	0	5
Armor 56-J6	4	1
Armor 59-B9	5	0
ASGROW AG5603	5	0
ASGROW AG5701	3	2
ASGROW AG5903	2	3
Caviness	2	3

Table 16. Results of Greenhouse Tests for Soil Chloride Reaction, 2002¹, Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>		
Croplan Genetics RC5892	0	5
Croplan Genetics RC5972	1	4
Delsoy 5710	2	3
Delta Grow 5630RR	2	3
Delta Grow 5950RR	2	3
Delta Grow 5960RR	2	3
Delta King 5661RR	1	4
Delta King 5668RR	2	3
Delta King 5850	1	4
Delta King 5961RR	5	0
Delta King 5995	0	5
Delta King XTJ057RR	0	5
Delta King XTJ059RR	2	3
Deltapine DP 5806RR	4	1
Deltapine DP5915RR	2	3
Deltapine DPX5734RR	0	5
DT96-6840	5	0
Dyna Gro 3562NRR	3	2
Dyna Gro 3583NRR	2	3
Dyna Gro 3600NRR	0	5
ES Marshal RR	0	5
ES Trooper RR	0	5
Garst XR57N19	0	5
Garst XR59N24	0	5
Hartz H5887RR	0	5
HBK 5812	0	5
HBK 5991	5	0
HBK R5620	5	0
HBK R5820	2	3
HBK R6020	0	5
Morsoy RT5620	1	4
Morsoy RT5900	3	2
NK Brand S59-V6	3	2
Pioneer Brand 9594	3	2
Pioneer Brand 95B96	2	3
Pioneer Brand 95B97	2	3
Progeny 5600	0	5
Progeny 5660RR	4	1
Progeny 5811RR	1	4
Progeny 5822RR	1	4
Progeny 5900RR	3	2
R92-1258	5	0
R95-2210	3	2

Table 16. Results of Greenhouse Tests for Soil Chloride Reaction, 2002¹, Continued.

Brand/Cultivar	Number of Includers	Number of Excluders
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) continued</u>		
Southern States 597N	4	1
Southern States RT5702N	5	0
Southern States RT5999N	1	4
Southern States RT6202N	5	0
Terral TV5666RR	5	0
Terral TV56R11	3	2
Terral TV58R11	5	0
Terral TV59R85	3	2
Terral TV59R98	2	3
Terral TVX62R001	5	0
UARK-5896	3	2
USG 5601T	5	0
USG 570NRR	3	2
USG 7582nRR	2	3

¹ Tests conducted by Dr. J.D. Widick, ASU, Jonesboro.

**Participants and Entries
2002 Early Planted Tests**

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Armor Seed Company P. O. Box 178 Fisher, AR 72429	Armor 39-E9 (3.9)
	Armor 42-L2 (4.2)
	Armor 44-R4 (4.4)
	Armor 44-R5 (4.4)
	Armor 47-G7 (4.7)
	Armor AXR 5135 (5.1)
Cache River Valley Seed P. O. Box 10 Cash, AR 72421	Morsoy RT3881 (3.8)
	Morsoy RT4480 (4.4)
	Morsoy RT4731 (4.7)
	Morsoy RT4802 (4.8)
	Morsoy RT4809 (4.8)
Delta King Seed Co. P. O. Box 970 McCrary, AR 72101	Delta King 3862RR (3.8)
	Delta King 3961RR (3.9)
	Delta King 3964RR (3.9)
	Delta King 3968RR (3.9)
	Delta King 4461RR (4.4)
	Delta King 4762RR (4.7)
	Delta King 4763RR (4.7)
	Delta King 4868RR (4.8)
	Delta King 4965RR (4.9)
	Delta King 5366RR (5.3)
	Delta King XTJ040RR (4.0)
	Delta King XTJ048RR (4.8)
Delta and Pine Land Co. 1301 E. 50 th St. Lubbock, TX 79404	Deltapine DP 4690RR (4.7)
	Deltapine DP 4748S (4.7)
	Deltapine DP 5110S (5.1)
	Deltapine DPX 3761RR (3.7)
	Deltapine DPX 3819RR (3.8)
	Deltapine DPX 3940RR (3.8)
	Deltapine SG 498RR (4.9)
FFR Seed 969 Cloverleaf Dr. Southaven, MS 38671	FFR 4455RR (4.4)
	FFR 4712RR (4.7)
	FFR 4891RR (4.8)
	FFR 4922RR (4.9)
	FFR 5225RR (5.3)
Hornbeck Seed Co., Inc. P. O. Box 472 DeWitt, AR 72042	HBK R3980 (3.9)
	HBK R4622 (4.6)
	HBK R4820 (4.8)
Land O'Lakes/Croplan Genetics 4990 North County Rd. 583 Blytheville, AR 72315	Croplan Genetics RC4444 (4.4)
	Croplan Genetics RC4772 (4.7)
	Croplan Genetics RC4992 (4.9)

Participants and Entries (continued)
2002 Early Planted Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Monsanto 3100 Sycamore Rd. DeKalb, IL 60115	ASGROW AG3702 (3.7)
	ASGROW AG3903 (3.9)
	ASGROW AG4201 (4.2)
	ASGROW AG4403 (4.4)
	ASGROW AG4603 (4.6)
	ASGROW AG4902 (4.9)
	ASGROW AG5301 (5.3)
	Hartz H3090RR (3.9)
	Hartz H4454RR (4.5)
	Hartz H4884RR (4.8)
Hartz H5223RR (5.2)	
Pioneer, A DuPont Company 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer Brand 94B13 (4.1)
	Pioneer Brand 94B54 (4.5)
	Pioneer Brand 94B73 (4.7)
	Pioneer Brand 94B74 (4.7)
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 4303RR (4.3)
	Progeny 4401RR (4.4)
	Progeny 4858RR (4.8)
	Progeny 4910 (4.9)
	Progeny 4932RR (4.9)
	Progeny 5001RR (5.0)
	Progeny 5120N (5.1)
Progeny 5250RR (5.2)	
Southern States Coop. P. O. Box 26234 Richmond, VA 23260	Southern States RT3799N (3.7)
	Southern States RT3802N (3.8)
	Southern States RT4502N (4.5)
	Southern States RT4902N (4.9)
	Southern States RT4980 (4.9)
	Southern States RT5001N (5.0)
	Southern States RT5302N (5.3)
Syngenta Seeds, Inc. P. O. Box 907 Somerville, TN 38068-0907	NK Brand S39-Q4 (3.9)
	NK Brand S40-R9 (4.0)
	NK Brand S46-G2 (4.6)
	NK Brand S52-U3 (5.2)
	NK Brand X248R (4.8)
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	Terral TV4589RR (4.5)
	Terral TV4886RR (4.8)
	Terral TV4890RR (4.8)
	Terral TVX39R201 (3.9)
University of Arkansas Crop, Soils, and Environmental Sciences Dept. Fayetteville, AR 72701	R96-209 (IV)
University of Maryland	Manokin (4.9)

Room 1112, H. J. Patterson Hall
College Park, MD 20742-5821

Participants and Entries
2002 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Ag Genetics of Arkansas 11282 Hwy. 49 Poplar Grove, AR 72374	Caviness (5.7)
Armor Seed Company P. O. Box 178 Fisher, AR 72429	Armor 44-R4 (4.4) Armor 44-R5 (4.4)* Armor 47-G7 (4.7) Armor 52-C2 (5.2) Armor 53-K3 (5.3) Armor 54-Z4 (5.4) Armor 56-C4 (5.6) Armor 56-J6 (5.6) Armor 59-B9 (5.9) Armor AXR 5135 (5.1)
Cache River Valley Seed P. O. Box 10 Cash, AR 72421	Dixie 4803 (4.8) Morsoy RT4480 (4.4) Morsoy RT4731 (4.7) Morsoy RT4802 (4.8) Morsoy RT4809 (4.9) Morsoy RT5252 (5.2) Morsoy RT5440 (5.4) Morsoy RT5442 (5.4) Morsoy RT5620 (5.6) Morsoy RT5900 (5.9)
Cullum Seeds, LLC P. O. Box 178 Fisher, AR 72429	Golden Harvest 4534RR (4.5) Golden Harvest 4772RR (4.7) Golden Harvest 4850RR (4.8) Golden Harvest 5492RR (5.4)
Delta Grow Seed P. O. Box 219 England, AR 72046	Delta Grow 4860RR (4.8) Delta Grow 4950RR (4.9) Delta Grow 5250RR (5.2) Delta Grow 5350RR (5.3) Delta Grow 5450RR (5.4) Delta Grow 5530 (5.5) Delta Grow 5630RR (5.6) Delta Grow 5950RR (5.9) Delta Grow 5960RR (5.9)

Participants and Entries (continued)
2002 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 4461RR (4.4)
	Delta King 4762RR (4.7)
	Delta King 4763RR (4.7)
	Delta King 4868RR (4.8)
	Delta King 4965RR (4.9)
	Delta King 5366RR (5.3)
	Delta King 5465RR (5.4)
	Delta King 5661RR (5.6)
	Delta King 5668RR (5.6)
	Delta King 5850 (5.8)
	Delta King 5961RR (5.9)
	Delta King 5995 (5.9)
	Delta King XTJ040RR (4.0)
	Delta King XTJ044RR (4.2)
	Delta King XTJ301RR (4.4)
	Delta King XTJ046RR (4.6)
	Delta King XTJ048RR (4.8)
	Delta King XTJ302RR (4.8)
	Delta King XTJ488RR (4.8)
	Delta King XTJ051RR (5.1)
	Delta King XTJ053RR (5.3)
	Delta King XTJ303RR (5.3)
	Delta King XTJ055RR (5.5)
	Delta King XTJ057RR (5.7)
	Delta King XTJ059RR (5.9)
Delta and Pine Land Co. 1301 E. 50 th St. Lubbock, TX 79404	Deltapine DP 4690RR (4.7)
	Deltapine DP 4748S (4.7)
	Deltapine DP 5110S (5.1)
	Deltapine DP 5414RR (5.4)
	Deltapine DP 5806RR (5.8)
	Deltapine DP 5915RR (5.9)
	Deltapine DPX 4431RR(4.4)*
	Deltapine DPX 4527RR (4.5)*
	Deltapine DPX 4727RR (4.7)*
	Deltapine DPX 4933RR (4.8)*
	Deltapine DPX 5734RR (5.7)*
	Deltapine DPX 99-328 (IV)*
	Deltapine SG 498RR (4.9)
	Eagle Seed Co. P. O. Box 308 Weiner, AR 72479
ES Ranger RR (5.1)	
ES Punch RR (5.5)	
ES Trooper RR (5.7)	
ES Marshal RR (5.9)	
FFR Seed 969 Cloverleaf Dr. Southaven, MS 38671	FFR 4900RR (4.9)
	FFR 5225RR (5.2)

Participants and Entries (continued)
2002 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	Garst 4312RR/STS/N (4.3)
	Garst 4512RR/N (4.5)
	Garst 5512RR/N (5.5)
	Garst D484RR/N (4.8)
	Garst XC49Y30 (4.9)*
	Garst XR49N49 (4.9)*
	Garst XR53N91 (5.3)*
	Garst XR57N19 (5.7)*
	Garst XR59N24 (5.9)*
	Garst XRS53N64 (5.3)*
Hornbeck Seed Co., Inc. P. O. Box 472 DeWitt, AR 72042	HBK 4891 (4.8)
	HBK 4944CX (4.8)
	HBK 5812 (5.8)
	HBK 5991 (5.8)
	HBK R4622 (4.6)
	HBK R4820 (4.7)
	HBK R4920 (4.9)
	HBK R4922 (4.9)
	HBK R5101 (5.1)
	HBK R5422 (5.4)
Kansas State University Dept. of Agronomy Manhattan, KS 66506-5501	KS4202 (4.2)
	KS4602N (4.6)
	KS5502N (5.5)
	Croplan Genetics RC5252 (5.2)
	Croplan Genetics RC5332 (5.3)
Land O'Lakes/Croplan Genetics 4990 NCR 583 Blytheville, AR 72315	Croplan Genetics RC5454 (5.4)
	Croplan Genetics RC5892 (5.8)*
	Croplan Genetics RC5972 (5.9)*
	MPV 4102NRR (4.1)
MidWest Premium Genetics P. O. Box 688 Concordia, MO 64020	MPV 4802NRR (4.8)
	MPV 5302NRR (5.3)
	MPV 5502NRR (5.5)
	Anand (5.3)
Missouri Seed Improvement Assn. 3211 Lemone Industrial Blvd. Columbia, MO 65201-8245	Delsoy 5500 (5.5)
	Delsoy 5710 (5.7)

Participants and Entries (continued)
2002 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Monsanto 3100 Sycamore Rd. DeKalb, IL 60115	ASGROW A5427 (5.4)
	ASGROW AG4201 (4.2)
	ASGROW AG4403 (4.4)
	ASGROW AG4603 (4.6)
	ASGROW AG4902 (4.9)
	ASGROW AG5301 (5.3)
	ASGROW AG5501 (5.5)
	ASGROW AG5603 (5.6)
	ASGROW AG5701 (5.7)
	ASGROW AG5903 (5.9)
	Hartz H4454RR (4.5)
	Hartz H4884RR (4.8)
	Hartz H5223RR (5.2)
	Hartz H5444RR (5.4)
	Hartz H5887RR (5.8)
Pioneer Hi-Bred International 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer Brand 9492 (4.9)
	Pioneer Brand 9594 (5.9)
	Pioneer Brand 94B73 (4.7)
	Pioneer Brand 94B74 (4.7)
	Pioneer Brand 95B32 (5.3)
	Pioneer Brand 95B42 (5.4)
	Pioneer Brand 95B43 (5.4)
	Pioneer Brand 95B96 (5.9)
	Pioneer Brand 95B97 (5.9)
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 4303RR (4.3)
	Progeny 4401RR (4.4)
	Progeny 4858RR (4.8)
	Progeny 4910 (4.9)
	Progeny 4932RR (4.9)
	Progeny 5001RR (5.0)
	Progeny 5120N (5.1)
	Progeny 5250RR (5.2)
	Progeny 5415RR (5.4)
	Progeny 5440RR (5.4)
	Progeny 5580RR (5.5)
	Progeny 5600 (5.6)
	Progeny 5660RR (5.6)
	Progeny 5811RR (5.8)
	Progeny 5822RR (5.8)
Progeny 5900RR (5.9)	

Participants and Entries (continued)
2002 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 RT446N (4.4)
	Southern States RT4502N (4.5)
	Southern States RT4902N (4.9)
	Southern States RT4980 (4.9)
	Southern States RT517N (4.9)
	Southern States RT5001N (4.9)
	Southern States RT5302N (5.3)
	Southern States RT540N((5.4)
	Southern States RT557N (5.7)
	Southern States RT5702N (5.7)
	Southern States RT5999N (5.9)
	Southern States RT6202N (6.2)
	Southern States SS495 (4.9)
	Southern States SS5200STS (5.2)
	Southern States SS597N (5.9)
Syngenta Seeds, Inc. P. O. Box 907 Somerville, TN 38068	NK Brand S52-U3 (5.2)
	NK Brand S59-V6(5.9)
	NK Brand X248R (4.8)
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	Terral TV4589RR (4.5)
	Terral TV4886RR (4.8)
	Terral TV4890RR (4.8)
	Terral TV5486RR (5.4)
	Terral TV5666RR (5.6)
	Terral TV52R42 (5.2)
	Terral TV54R11 (5.4)
	Terral TV56R11 (5.6)
	Terral TV58R11 (5.8)
	Terral TV59R85 (5.9)
	Terral TV59R98 (5.9)
	Terral TVX49CN201 (4.9)
Terral TVX62R001 (6.2)	
UAP Mid-South 57 Germantown Court Suite 200 Cordova, TN 38018	Dyna Gro 3443NRR (4.4)
	Dyna Gro 3468NRR (4.6)
	Dyna Gro 3484NRR (4.8)
	Dyna Gro 3518NRR (5.2)
	Dyna Gro 3521NRR (5.2)
	Dyna Gro 3535NRR (5.3)
	Dyna Gro 3543NRR (5.4)
	Dyna Gro 3562NRR (5.6)
	Dyna Gro 3583NRR (5.8)
	Dyna Gro 3600NRR (5.9)
UniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211	USG 510nRR (5.1)
	USG 540nRR (5.4)
	USG 5601T (5.6)
	USG 570nRR (5.7)
	USG 7489RR (4.8)

USG 7499nRR (4.9)
USG 7522nRR (5.2)
USG 7582nRR (5.8)

Participants and Entries (continued)
2002 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	Hutcheson (5.3)
	R92-1258 (6.2)
	R95-1705 (5.5)
	R95-2210 (5.9)
	R96-209 (5.2)
	R98-1817 (IV)
University of Maryland Room 1112 H. J. Patterson Hall College Park, MD 20742-5821	UARK-5896 (5.8)
	Manokin (4.9)
University of Missouri-Delta Center P. O. Box 160 Portageville, MO 63873	S99-2447-2RR (5.5)*
	S99-2461RR (5.5)*
USDA-ARS P. O. Box 345 Stoneville, MS 38776	DT96-6840 (5.8)
	DT98-6308 (5.1)*
	DT98-7278 (4.8)*
	DT98-9102 (4.8)*
Virginia Poly Tech Institute CSES Department Blackburg, VA 24061-0404	99VPI-120 (5.3)
	99VPI-67 (5.3)

¹ Relative maturity provided by companies and institutions submitting entries.

* New strains