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# Arkansas Soybean Performance Tests 2002

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ARKANSAS AGRICULTURAL EXPERIMENT STATION

Division of Agriculture

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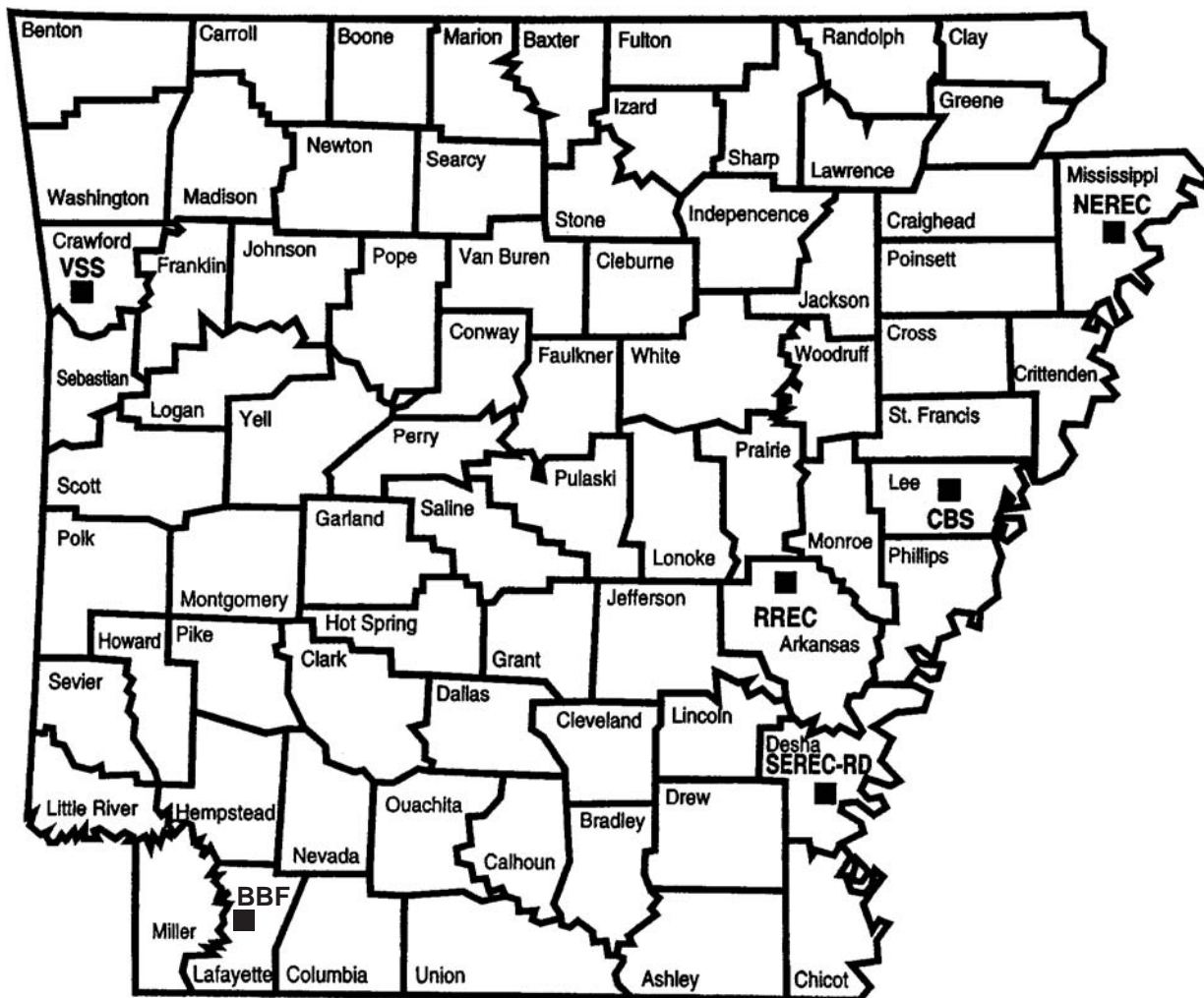
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## SOYBEAN TEST LOCATIONS



- 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

UofA

UNIVERSITY OF ARKANSAS  

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DIVISION OF AGRICULTURE

# ARKANSAS SOYBEAN PERFORMANCE TESTS

2002

D. G. Dombek

D. K. Ahrent

R. D. Bond

I. L. Eldridge<sup>1</sup>



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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](http://www.arkansasvarietytesting.org)



# ARKANSAS SOYBEAN PERFORMANCE TESTS<sup>1</sup> 2002

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

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## 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.

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<sup>1</sup> 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<sup>1,2</sup>.**

| 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<sup>1,2</sup>, continued.**

| Brand/Cultivar                                 | Keiser<br>Nonirr. | Rohwer<br>Irr. | Burton<br>Nonirr. | Kibler<br>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<sup>1,2</sup>, continued.**

| Brand/Cultivar   | Keiser<br>Nonirr. | Rohwer<br>Irr. | Burton<br>Nonirr. | Kibler<br>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            | .       |

<sup>1</sup> 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.

<sup>2</sup> 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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year <sup>1</sup><br>Avg. | 3-Year <sup>1</sup><br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year <sup>1</sup><br>Avg. | 3-Year <sup>1</sup><br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year <sup>1</sup><br>Avg. | 3-Year <sup>1</sup><br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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               |

<sup>1</sup>Two 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, 2002<sup>1</sup>.**

| Brand/Cultivar                                   | 2002<br>bu/A | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar                                 | 2002<br>bu/A | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>.**

| Brand/Cultivar                                   | 2002<br>bu/A | 2-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar                                 | 2002<br>bu/A | 2-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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 6. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2002<sup>1</sup>.**

| Brand/Hybrid   | Keiser <sup>2</sup> | 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, 2002<sup>1</sup>, continued.**

| Brand/Hybrid   | Keiser <sup>2</sup> | 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, 2002<sup>1</sup>, continued.**

| Brand/Hybrid   | Keiser <sup>2</sup> | 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, 2002<sup>1</sup>, continued.**

| Brand/Hybrid  | Keiser <sup>2</sup> | 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, 2002<sup>1</sup>, continued.**

| Brand/Hybrid  | Keiser <sup>2</sup><br>Irr. | Keiser<br>Non. | Mar.<br>Irr. | Mar.<br>Non. | Stuttgart<br>Irr. | Rohwer<br>Irr. | Burton<br>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, 2002<sup>1</sup>, continued.**

| Brand/Hybrid  | Keiser <sup>2</sup> | 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    | .    |

<sup>1</sup> 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.

<sup>2</sup> 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, 2002<sup>1</sup>.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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              | .                | .               |

<sup>1</sup> 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<br>bu/A | 2-Year Maturity<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year Maturity<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year Maturity<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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               |

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

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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 10. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2002<sup>1</sup>.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | Lodging<br>Score | Shatter<br>Score | Plant<br>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              |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>             |              |                |                  |                  |                 |
| 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | Lodging<br>Score | Shatter<br>Score | Plant<br>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 11. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2002.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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               |

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

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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               |

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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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<br>bu/A | 2-Year<br>Avg. | 3-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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 |
|-------|-----|------|------|--------|-----------|---------|-------|
|-------|-----|------|------|--------|-----------|---------|-------|

|           |      |      |      |      |     |      |      |      |
|-----------|------|------|------|------|-----|------|------|------|
| 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, 2002<sup>1</sup>.**

| Brand/Cultivar   | 2002<br>bu/A | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar   | 2002<br>bu/A | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | Lodging<br>Score | Shatter<br>Score | Plant<br>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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | Lodging<br>Score | Shatter<br>Score | Plant<br>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             | .               |

<sup>1</sup> 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<sup>1,2</sup>.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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<sup>1,2</sup>, Continued.**

| Brand/Cultivar   | 2002<br>bu/A | 2-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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.

C.V. (%)

9.3

. . . . .

**Table 14. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2002<sup>1,2</sup>, Continued.**

| Brand/Cultivar  | 2002<br>bu/A | 2-Year<br>Avg. | Maturity<br>Date | Lodging<br>Score | Shatter<br>Score | Plant<br>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              |





|           |      |      |      |      |      |      |      |      |
|-----------|------|------|------|------|------|------|------|------|
| 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, 2002<sup>1</sup>.**

| Brand/Cultivar                 | Propanil          | Propanil           |
|--------------------------------|-------------------|--------------------|
|                                | 7DAA <sup>2</sup> | 21DAA <sup>2</sup> |
|                                | % 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar | Propanil<br>7DAA <sup>2</sup> | Propanil<br>21DAA <sup>2</sup> |
|----------------|-------------------------------|--------------------------------|
|                | % 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar   | Propanil<br>7DAA <sup>2</sup> | Propanil<br>21DAA <sup>2</sup> |
|--|-------------------------------|--------------------------------|
|  | % 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | Propanil<br>7DAA <sup>2</sup> | Propanil<br>21DAA <sup>2</sup> |
|---|-------------------------------|--------------------------------|
|   | % 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | Propanil<br>7DAA <sup>2</sup><br><br>% injury | Propanil<br>21DAA <sup>2</sup><br><br>% 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | Propanil<br>7DAA <sup>2</sup> | Propanil<br>21DAA <sup>2</sup> |
|---|-------------------------------|--------------------------------|
|   | % 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar  | Propanil<br>7DAA <sup>2</sup> | Propanil<br>21DAA <sup>2</sup> |
|---|-------------------------------|--------------------------------|
|   | % 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                              |

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

<sup>2</sup> 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, 2002<sup>1</sup>.**

| 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, 2002<sup>1</sup>, 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, 2002<sup>1</sup>, 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, 2002<sup>1</sup>,  
Continued.**

| Brand/Cultivar  | Number of<br>Includers | Number of<br>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, 2002<sup>1</sup>, 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, 2002<sup>1</sup>, Continued.**

| Brand/Cultivar | Number of Includers | Number of Excluders |
|----------------|---------------------|---------------------|
|----------------|---------------------|---------------------|

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

|                         |   |   |
|-------------------------|---|---|
| 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, 2002<sup>1</sup>, 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                   |

<sup>1</sup> Tests conducted by Dr. J.D. Widick, ASU, Jonesboro.



**Participants and Entries  
2002 Early Planted Tests**

| <u>Company/Institution</u>  | <u>Cultivar (Relative Maturity)<sup>1</sup></u> |
|---|---|
| Armor Seed Company<br>P. O. Box 178<br>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<br>P. O. Box 10<br>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.<br>P. O. Box 970<br>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.<br>1301 E. 50 <sup>th</sup> St.<br>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<br>969 Cloverleaf Dr.<br>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.<br>P. O. Box 472<br>DeWitt, AR 72042                        | HBK R3980 (3.9)                                 |
|   | HBK R4622 (4.6)                                 |
|   | HBK R4820 (4.8)                                 |
| Land O'Lakes/Croplan Genetics<br>4990 North County Rd. 583<br>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)<sup>1</sup></u> |
|---|---|
| Monsanto<br>3100 Sycamore Rd.<br>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<br>6767 Old Madison Pike<br>Suite 110<br>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<br>1529 Hwy. 193<br>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.<br>P. O. Box 26234<br>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.<br>P. O. Box 907<br>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.<br>P. O. Box 826<br>Lake Providence, LA 71254                                   | Terral TV4589RR (4.5)                           |
|   | Terral TV4886RR (4.8)                           |
|   | Terral TV4890RR (4.8)                           |
|   | Terral TVX39R201 (3.9)                          |
| University of Arkansas<br>Crop, Soils, and Environmental Sciences Dept.<br>Fayetteville, AR 72701 | R96-209 (IV)                                    |
| University of Maryland  | Manokin (4.9)                                   |

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**Participants and Entries**  
**2002 Commercial Cultivar Tests**

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

**Participants and Entries (continued)**  
**2002 Commercial Cultivar Tests**

| <u>Company/Institution</u>   | <u>Cultivar (Relative Maturity)<sup>1</sup></u>     |
|--|---|
| Delta King Seed Co.<br>P. O. Box 970<br>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.<br>1301 E. 50 <sup>th</sup> St.<br>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.<br>P. O. Box 308<br>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<br>969 Cloverleaf Dr.<br>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)<sup>1</sup></u>                        |                                |
|--|--|--------------------------------|
| Garst Seed Co.<br>761 Walnut Knoll Lane<br>Suite 200<br>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.<br>P. O. Box 472<br>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<br>Dept. of Agronomy<br>Manhattan, KS 66506-5501                   | KS4202 (4.2)   |                                |
|  | KS4602N (4.6)  |                                |
|  | KS5502N (5.5)  |                                |
|  | Land O'Lakes/Croplan Genetics<br>4990 NCR 583<br>Blytheville, AR 72315 | Croplan Genetics RC5252 (5.2)  |
|  |  | Croplan Genetics RC5332 (5.3)  |
|  |  | Croplan Genetics RC5454 (5.4)  |
|  |  | Croplan Genetics RC5892 (5.8)* |
|  |  | Croplan Genetics RC5972 (5.9)* |
|  | MidWest Premium Genetics<br>P. O. Box 688<br>Concordia, MO 64020       | MPV 4102NRR (4.1)              |
|  |  | MPV 4802NRR (4.8)              |
| MPV 5302NRR (5.3)  |  |                                |
| MPV 5502NRR (5.5)  |  |                                |
| Missouri Seed Improvement Assn.<br>3211 Lemone Industrial Blvd.<br>Columbia, MO 65201-8245 | Anand (5.3)  |                                |
|  | Delsoy 5500 (5.5)  |                                |
|  | Delsoy 5710 (5.7)  |                                |

**Participants and Entries (continued)**  
**2002 Commercial Cultivar Tests**

| <u>Company/Institution</u>  | <u>Cultivar (Relative Maturity)<sup>1</sup></u> |
|---|---|
| Monsanto<br>3100 Sycamore Rd.<br>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<br>6767 Old Madison Pike<br>Suite 110<br>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<br>1529 Hwy. 193<br>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)<sup>1</sup></u> |
|--|---|
| Southern States Coop.<br>P. O. Box 26234<br>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.<br>P. O. Box 907<br>Somerville, TN 38068            | NK Brand S52-U3 (5.2)                           |
|  | NK Brand S59-V6(5.9)                            |
|  | NK Brand X248R (4.8)                            |
| Terral Seed, Inc.<br>P. O. Box 826<br>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<br>57 Germantown Court<br>Suite 200<br>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.<br>2640-C Nolensville Rd.<br>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)<sup>1</sup></u> |
|--|---|
| University of Arkansas<br>Dept. of Crop, Soils, & Environmental Sciences<br>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)                                   |
| UARK-5896 (5.8)  |   |
| University of Maryland<br>Room 1112<br>H. J. Patterson Hall<br>College Park, MD 20742-5821         | Manokin (4.9)                                   |
|  |   |
|  |   |
|  |   |
| University of Missouri-Delta Center<br>P. O. Box 160<br>Portageville, MO 63873                     | S99-2447-2RR (5.5)*                             |
|  | S99-2461RR (5.5)*                               |
| USDA-ARS<br>P. O. Box 345<br>Stoneville, MS 38776  | DT96-6840 (5.8)                                 |
|  | DT98-6308 (5.1)*                                |
|  | DT98-7278 (4.8)*                                |
|  | DT98-9102 (4.8)*                                |
| Virginia Poly Tech Institute<br>CSES Department<br>Blackburg, VA 24061-0404                        | 99VPI-120 (5.3)                                 |
|  | 99VPI-67 (5.3)                                  |

<sup>1</sup> Relative maturity provided by companies and institutions submitting entries.

\* New strains