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Arkansas Soybean Performance Tests 2003

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Arkansas Soybean *Performance Tests*

2003



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R.D. Bond
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ARKANSAS AGRICULTURAL EXPERIMENT STATION

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ARKANSAS SOYBEAN PERFORMANCE TESTS

2003

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ARKANSAS SOYBEAN PERFORMANCE TESTS⁴ 2003

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

INTRODUCTION

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

The 2003 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 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 5.6. Cultivars in the "late" Group IV test had a relative maturity range of 4.8 or 4.9 and in the "late" Group V test, a range of 5.5 to 6.2.

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

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

⁴ 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.

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, 2003¹.

| Brand/Cultivar | Keiser ² Nonirr. | Rohwer ³ Irr | Kibler Irr. | Average |
|--|--------------------------------|----------------------------|----------------|---------|
| -----bu/A----- | | | | |
| <u>Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | |
| Armor 39-E9 | . | 40.5 | 65.1 | 52.8 |
| Armor 44-R4 | . | 57.0 | 62.9 | 60.0 |
| Armor 44-R5 | . | 47.5 | 63.4 | 55.5 |
| Armor 47-G7 | . | 49.9 | 61.9 | 55.9 |
| ASGROW AG3702 | . | 39.8 | 61.1 | 50.5 |
| ASGROW AG3905 | . | 41.4 | 63.5 | 52.5 |
| ASGROW AG4201 | . | 39.3 | 65.9 | 52.6 |
| ASGROW AG4403 | . | 43.5 | 61.2 | 52.4 |
| ASGROW AG4502 | . | 40.5 | 59.7 | 50.1 |
| ASGROW AG4603 | . | 36.5 | 54.0 | 45.3 |
| DEKALB DKB 44-51 | . | 40.5 | 63.9 | 52.2 |
| DEKALB DKB 46-51 | . | 49.9 | 59.3 | 54.6 |
| Delta King 3961RR | . | 43.5 | 55.7 | 49.6 |
| Delta King 3968RR | . | 50.1 | 65.2 | 57.7 |
| Delta King 4461RR | . | 55.3 | 60.9 | 58.1 |
| Delta King 4763RR | . | 54.2 | 62.2 | 58.2 |
| Delta King XTJ439 | . | 40.4 | 59.5 | 50.0 |
| Delta King XTJ447 | . | 51.5 | 63.2 | 57.4 |
| Deltapine DP3861RR | . | 42.3 | 65.5 | 53.9 |
| Deltapine DPX3940RR | . | 38.4 | 54.5 | 46.5 |
| Genesis C444RR | . | 56.1 | 58.2 | 57.2 |
| Genesis D421RR | . | 49.9 | 68.3 | 59.1 |
| HBK R4623 | . | 51.0 | 54.6 | 52.8 |
| Maverick | . | 35.5 | 53.4 | 44.5 |
| Morsoy RT4480 | . | 49.8 | 58.6 | 54.2 |
| NK Brand S37-N4 | . | 34.9 | 58.8 | 46.9 |
| PGY 3900RR | . | 46.6 | 59.8 | 53.2 |
| PGY 4703RR | . | 37.3 | 47.0 | 42.2 |
| Pioneer Brand 93B68 | . | 41.2 | 55.1 | 48.2 |
| Pioneer Brand 94B13 | . | 35.6 | 62.7 | 49.2 |
| Pioneer Brand 94B54 | . | 48.6 | 54.6 | 51.6 |
| Pioneer Brand 94B73 | . | 54.3 | 63.5 | 58.9 |
| Pioneer Brand 94M70 | . | 52.0 | 57.5 | 54.8 |
| Progeny 4401RR | . | 44.2 | 63.4 | 53.8 |
| Southern States RT4502N | . | 42.6 | 56.0 | 49.3 |
| Terral TV4589RR | . | 40.8 | 55.3 | 48.1 |
| Terral TV4890RR | . | 47.9 | 50.8 | 49.4 |
| Terral TVX39R302 | . | 42.1 | 62.6 | 52.4 |
| Terral TVX39RS301 | . | 45.1 | 53.6 | 49.4 |
| Terral TVX47R1K2 | . | 43.8 | 49.6 | 46.7 |
| Terral TVX47R2P1 | . | 42.7 | 52.6 | 47.7 |
| Grand mean | . | 45.0 | 59.1 | 52.1 |
| LSD (5%) | . | 7.4 | 5.6 | . |
| C.V. (%) | . | 10.2 | 5.8 | . |

Table 1. Yields of Early Planted Soybean Cultivars at All locations, 2003¹, Continued.

| Brand/Cultivar | Keiser ² Nonirr. | Rohwer ³ Irr | Kibler Irr. | Average |
|--|--------------------------------|----------------------------|----------------|---------|
| -----bu/A----- | | | | |
| <u>Late Maturing Cultivars (RM 4.8 to 5.3)</u> | | | | |
| Armor 52-C2 | 60.4 | 44.9 | 50.5 | 51.9 |
| Armor 53-K3 | 55.4 | 45.1 | 53.2 | 51.2 |
| Armor 49-P9 | 55.1 | 57.9 | 65.4 | 59.5 |
| ASGROW AG4902 | 53.5 | 53.7 | 52.9 | 53.4 |
| ASGROW AG5301 | 46.1 | 59.4 | 48.0 | 51.2 |
| Croplan Genetics RC4842 | 57.7 | 59.7 | 61.2 | 59.5 |
| Croplan Genetics RC4992 | 50.6 | 50.0 | 50.7 | 50.4 |
| DEKALB DKB 53-51 | 51.7 | 49.9 | 50.7 | 50.8 |
| Delta King 4868RR | 54.8 | 53.3 | 59.4 | 55.8 |
| Delta King 4967RR | 56.9 | 47.9 | 61.1 | 55.3 |
| Delta King 5366RR | 55.0 | 55.1 | 53.5 | 54.5 |
| Delta King XTJ450 | 58.3 | 46.6 | 54.6 | 53.2 |
| Delta King XTJ452 | 56.9 | 62.2 | 54.0 | 57.7 |
| ES XVT-17RR | 42.8 | 52.1 | 48.0 | 47.6 |
| Genesis D484RR | 54.9 | 53.6 | 61.8 | 56.8 |
| Genesis D491RR | 50.6 | 57.9 | 61.8 | 56.8 |
| Genesis D524RR | 52.6 | 54.0 | 57.2 | 54.6 |
| HBK R4820 | 56.0 | 47.5 | 57.1 | 53.5 |
| Manokin | 56.2 | 46.9 | 46.4 | 49.8 |
| Morsoy RT4802 | 52.7 | 49.2 | 61.5 | 54.5 |
| Morsoy RT4809 | 49.4 | 54.9 | 56.5 | 53.6 |
| Morsoy RT4993 | 49.6 | 61.4 | 62.8 | 57.9 |
| Ozark | 51.6 | 56.9 | 45.6 | 51.4 |
| PGY 4860RR | 62.3 | 51.6 | 54.6 | 56.2 |
| PGY 4949RR | 56.2 | 50.5 | 54.9 | 53.9 |
| PGY 5250RR | 52.5 | 59.4 | 52.2 | 54.7 |
| Progeny 4884RR | 53.4 | 48.5 | 60.6 | 54.2 |
| Progeny 4910 | 55.3 | 54.3 | 53.7 | 54.4 |
| Progeny 4932RR | 52.3 | 49.1 | 48.0 | 49.8 |
| R97-1634 | 64.1 | 52.3 | 58.2 | 58.2 |
| R98-1817 | 62.7 | 51.7 | 57.2 | 57.2 |
| Southern States RT4902N | 52.7 | 49.6 | 48.6 | 50.3 |
| Southern States RT4930 | 61.6 | 49.2 | 56.3 | 55.7 |
| Southern States RT4980 | 52.7 | 46.4 | 41.6 | 46.9 |
| Southern States RT5302N | 53.8 | 47.3 | 51.9 | 51.0 |
| Terral TV4886RR | 48.5 | 42.8 | 38.7 | 43.3 |
| Terral TVX48R1U1 | 48.0 | 41.4 | 52.9 | 47.4 |
| Terral TVX49R1L2 | 45.2 | 48.1 | 45.2 | 46.2 |
| Terral TVX49R2Y4 | 47.3 | 49.2 | 49.5 | 48.7 |
| Terral TVX49R2Z1 | 47.9 | 46.0 | 49.1 | 47.7 |
| Grand mean | 53.6 | 51.4 | 53.7 | 52.9 |
| LSD (5%) | 7.7 | 7.8 | 6.8 | . |
| C.V. (%) | 8.8 | 9.4 | 7.8 | . |

Table 1. Yields of Early Planted Soybean Cultivars at All locations, 2003¹, Continued.

¹ Irrigated early planted tests were also established in a Southwest Arkansas grower's field, but were abandoned due to a herbicide application error.

² Heavy rains and standing water caused poor uniformity in this test, and therefore the results will not be reported.

³ Tests were planted at this location on April 11, but were abandoned due to poor stands resulting from heavy rains. The tests were replanted on May 27. These results are from that planting date.

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003¹.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Late Maturing Cultivars (RM 4.8 to 5.3)</u> | | | | | | | |
| R97-1634 | 64.1 | . | . | 9-30 | 1.0 | 1.0 | 30 |
| R98-1817 | 62.7 | . | . | 9-18 | 1.0 | 1.0 | 20 |
| PGY 4860RR | 62.3 | . | . | 9-14 | 1.0 | 2.0 | 30 |
| Southern States RT4930 | 61.6 | . | . | 9-21 | 1.0 | 1.0 | 34 |
| Armor 52-C2 | 60.4 | . | . | 9-30 | 1.0 | 1.0 | 32 |
| Delta King XTJ450 | 58.3 | . | . | 9-19 | 1.0 | 1.0 | 36 |
| Croplan Genetics RC4842 | 57.7 | . | . | 9-07 | 1.0 | 2.0 | 28 |
| Delta King 4967RR | 56.9 | 48.6 | . | 9-10 | 1.0 | 1.0 | 34 |
| Delta King XTJ452 | 56.9 | . | . | 9-19 | 1.0 | 1.0 | 29 |
| Manokin | 56.2 | 55.0 | 53.6 | 9-19 | 1.0 | 1.0 | 25 |
| PGY 4949RR | 56.2 | . | . | 9-22 | 1.0 | 1.0 | 30 |
| HBK R4820 | 56.0 | 51.5 | 50.8 | 9-13 | 1.0 | 1.0 | 29 |
| Armor 53-K3 | 55.4 | . | . | 9-29 | 1.0 | 1.0 | 26 |
| Progeny 4910 | 55.3 | 50.5 | 49.1 | 9-11 | 1.0 | 1.0 | 38 |
| Armor 49-P9 | 55.1 | . | . | 9-11 | 1.0 | 1.0 | 29 |
| Delta King 5366RR | 55.0 | 57.3 | 49.8 | 9-28 | 1.0 | 1.0 | 28 |
| Genesis D484RR | 54.9 | . | . | 9-11 | 1.0 | 2.0 | 28 |
| Delta King 4868RR | 54.8 | 48.6 | 49.1 | 9-12 | 1.0 | 2.0 | 36 |
| Southern States RT5302N | 53.8 | 54.6 | . | 9-21 | 1.0 | 1.0 | 40 |
| ASGROW AG4902 | 53.5 | 47.4 | 46.6 | 9-14 | 1.0 | 2.0 | 35 |
| Progeny 4884RR | 53.4 | . | . | 9-07 | 1.0 | 2.0 | 30 |
| Southern States RT4980 | 52.7 | 47.2 | 49.0 | 9-12 | 1.0 | 3.0 | 38 |
| Southern States RT4902N | 52.7 | 51.2 | . | 9-17 | 1.0 | 1.0 | 46 |
| Morsoy RT4802 | 52.7 | 49.8 | . | 9-08 | 1.0 | 1.0 | 33 |
| Genesis D524RR | 52.6 | . | . | 9-19 | 1.0 | 1.0 | 21 |
| PGY 5250RR | 52.5 | 49.1 | . | 9-18 | 1.0 | 1.0 | 20 |
| Progeny 4932RR | 52.3 | 49.5 | . | 9-20 | 1.0 | 1.0 | 43 |
| DEKALB DKB 53-51 | 51.7 | . | . | 9-22 | 1.0 | 1.0 | 34 |
| Ozark | 51.6 | 54.3 | . | 9-20 | 1.0 | 1.0 | 21 |
| Croplan Genetics RC4992 | 50.6 | . | . | 9-20 | 1.0 | 1.0 | 47 |
| Genesis D491RR | 50.6 | . | . | 9-12 | 1.0 | 2.0 | 28 |
| Morsoy RT4993 | 49.6 | . | . | 9-06 | 1.0 | 1.0 | 23 |
| Morsoy RT4809 | 49.4 | 46.8 | 49.3 | 9-13 | 1.0 | 1.0 | 31 |
| Terral TV4886RR | 48.5 | 46.4 | 46.1 | 9-14 | 1.0 | 2.0 | 39 |
| Terral TVX48R1U1 | 48.0 | . | . | 9-11 | 1.0 | 2.0 | 33 |
| Terral TVX49R2Z1 | 47.9 | . | . | 9-16 | 1.0 | 2.0 | 36 |
| Terral TVX49R2Y4 | 47.3 | . | . | 9-14 | 1.0 | 2.0 | 41 |
| ASGROW AG5301 | 46.1 | 46.1 | . | 9-18 | 1.0 | 1.0 | 21 |
| Terral TVX49R1L2 | 45.2 | . | . | 9-11 | 1.0 | 1.0 | 41 |
| ES XVT-17RR | 42.8 | . | . | 9-23 | 3.0 | 1.0 | 49 |
| Grand mean | 53.6 | . | . | 9-17 | 1.0 | 1.3 | 32 |
| LSD (5%) | 7.7 | . | . | ns | ns | 0.3 | . |
| C.V. (%) | 8.8 | . | . | . | . | 11.8 | . |

Table 2. Performance of Nonirrigated Early Planted Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003¹, Continued.

¹ Heavy rains and standing water caused poor uniformity in the Early Maturing Cultivars (RM 4.7 or less) at this location. The results are not reported.

Soil Series.....Commerce silt loam
 Previous Crop..... Soybean
 Row Width.....38 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 4-16-03
 Herbicide Application.....3 pts./A Squadron, 4-16-03, 1.25 pts./A Flexstar + 8 oz./A Select, 5-15-03,
 1.25 pts./A Flexstar + 2.0 pts./A Basagran, 6-23-03
 Harvest Dates..... Early: 9-16-03
 Late: 9-26-03, 10-02-03

Precipitation (inches)

| | April | May | June | July | August | September | Total |
|-----------|-------|------|------|------|--------|-----------|-------|
| 2003 | 2.2 | 11.4 | 3.3 | 5.8 | 0.7 | 3.5 | 26.9 |
| Average | 5.0 | 5.2 | 4.0 | 3.7 | 2.9 | 3.9 | 24.8 |
| Departure | -2.8 | +6.2 | -0.7 | +2.1 | -2.2 | -0.4 | +2.1 |

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003¹.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ² Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|-----------------------------|------------------|------------------|------------------|-----------------|
| <u>Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| Armor 44-R4 | 57.0 | 59.5 | . | 9-16 | 1.0 | 1.0 | 29 |
| Genesis C444RR | 56.1 | . | . | 9-17 | 1.0 | 1.0 | 30 |
| Delta King 4461RR | 55.3 | 54.5 | . | 9-19 | 1.0 | 1.0 | 32 |
| Pioneer Brand 94B73 | 54.3 | 59.3 | . | 9-16 | 1.0 | 1.0 | 34 |
| Delta King 4763RR | 54.2 | 55.0 | . | 9-16 | 1.0 | 1.0 | 31 |
| Pioneer Brand 94M70 | 52.0 | . | . | 9-16 | 1.0 | 1.0 | 35 |
| Delta King XTJ447 | 51.5 | . | . | 9-19 | 1.0 | 1.0 | 35 |
| HBK R4623 | 51.0 | . | . | 9-16 | 1.0 | 1.0 | 35 |
| Delta King 3968RR | 50.1 | 51.7 | . | 9-06 | 1.0 | 1.0 | 25 |
| Armor 47-G7 | 49.9 | 53.8 | . | 9-16 | 1.0 | 1.0 | 31 |
| DEKALB DKB 46-51 | 49.9 | . | . | 9-16 | 1.0 | 1.0 | 34 |
| Genesis D421RR | 49.9 | . | . | 9-14 | 1.0 | 1.0 | 24 |
| Morsoy RT4480 | 49.8 | 57.6 | . | 9-17 | 1.0 | 1.0 | 29 |
| Pioneer Brand 94B54 | 48.6 | 51.6 | . | 9-16 | 1.0 | 1.0 | 34 |
| Terral TV4890RR | 47.9 | 54.7 | 52.4 | 9-15 | 1.0 | 1.0 | 34 |
| Armor 44-R5 | 47.5 | 54.8 | . | 9-15 | 1.0 | 1.0 | 26 |
| PGY 3900RR | 46.6 | . | . | 9-10 | 1.0 | 1.0 | 31 |
| Terral TVX39RS301 | 45.1 | . | . | 9-07 | 1.0 | 1.0 | 27 |
| Progeny 4401RR | 44.2 | 49.0 | . | 9-17 | 1.0 | 1.0 | 33 |
| Terral TVX47R1K2 | 43.8 | . | . | 9-21 | 1.0 | 1.0 | 36 |
| ASGROW AG4403 | 43.5 | 51.5 | 55.3 | 9-17 | 1.0 | 1.0 | 29 |
| Delta King 3961RR | 43.5 | 52.6 | . | 9-13 | 1.0 | 1.0 | 29 |
| Terral TVX47R2P1 | 42.7 | . | . | 9-22 | 1.0 | 1.0 | 31 |
| Southern States RT4502N | 42.6 | 47.5 | . | 9-18 | 1.0 | 1.0 | 32 |
| Deltapine DP3861RR | 42.3 | 46.0 | . | 9-06 | 1.0 | 1.0 | 28 |
| Terral TVX39R302 | 42.1 | . | . | 9-13 | 1.0 | 1.0 | 28 |
| ASGROW AG3905 | 41.4 | . | . | 9-08 | 1.0 | 1.0 | 27 |
| Pioneer Brand 93B68 | 41.2 | . | . | 9-05 | 1.0 | 1.0 | 23 |
| Terral TV4589RR | 40.8 | 54.3 | 54.3 | 9-15 | 1.0 | 1.0 | 29 |
| DEKALB DKB 44-51 | 40.5 | . | . | 9-16 | 1.0 | 1.0 | 37 |
| Armor 39-E9 | 40.5 | 50.7 | . | 9-07 | 1.0 | 2.0 | 24 |
| ASGROW AG4502 | 40.5 | . | . | 9-16 | 1.0 | 1.0 | 31 |
| Delta King XTJ439 | 40.4 | . | . | 9-12 | 1.0 | 1.0 | 25 |
| ASGROW AG3702 | 39.8 | 46.4 | . | 9-06 | 1.0 | 1.0 | 27 |
| ASGROW AG4201 | 39.3 | 42.9 | . | 9-16 | 1.0 | 1.0 | 25 |
| Deltapine DPX3940RR | 38.4 | 41.5 | . | 9-09 | 1.0 | 1.0 | 29 |
| PGY 4703RR | 37.3 | . | . | 9-22 | 1.0 | 1.0 | 37 |
| ASGROW AG4603 | 36.5 | 48.5 | . | 9-18 | 1.0 | 1.0 | 25 |
| Pioneer Brand 94B13 | 35.6 | 44.5 | . | 9-14 | 1.0 | 1.0 | 32 |
| Maverick | 35.5 | . | . | 9-05 | 1.0 | 1.0 | 27 |
| NK Brand S37-N4 | 34.9 | . | . | 9-08 | 1.0 | 1.0 | 28 |
| Grand mean | 45.0 | . | . | 9-14 | 1.0 | 1.0 | 30 |
| LSD (5%) | 7.4 | . | . | 3 | ns | ns | . |
| C.V. (%) | 10.2 | . | . | 2 | . | . | . |

Table 3. Performance of Irrigated Early Planted Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003¹, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ² Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|-----------------------------|------------------|------------------|------------------|-----------------|
| <u>Late Maturing Cultivars (RM 4.8 to 5.3)</u> | | | | | | | |
| Delta King XTJ452 | 62.2 | . | . | 9-25 | 1.0 | 1.0 | 29 |
| Morsoy RT4993 | 61.4 | . | . | 9-19 | 1.0 | 1.0 | 36 |
| Croplan Genetics RC4842 | 59.7 | . | . | 9-18 | 1.0 | 1.0 | 35 |
| PGY 5250RR | 59.4 | 55.5 | . | 9-23 | 1.0 | 1.0 | 25 |
| ASGROW AG5301 | 59.4 | 55.3 | . | 9-24 | 1.0 | 1.0 | 25 |
| Armor 49-P9 | 57.9 | . | . | 9-19 | 1.0 | 1.0 | 33 |
| Genesis D491RR | 57.9 | . | . | 9-19 | 1.0 | 1.0 | 35 |
| Ozark | 56.9 | 49.1 | . | 9-23 | 1.0 | 1.0 | 28 |
| Delta King 5366RR | 55.1 | 52.4 | 55.7 | 9-27 | 1.0 | 1.0 | 26 |
| Morsoy RT4809 | 54.9 | 55.7 | . | 9-18 | 1.0 | 1.0 | 31 |
| Progeny 4910 | 54.3 | 56.1 | 56.4 | 9-23 | 1.0 | 1.0 | 41 |
| Genesis D524RR | 54.0 | . | . | 9-23 | 1.0 | 1.0 | 20 |
| ASGROW AG4902 | 53.7 | 56.3 | 56.6 | 9-18 | 1.0 | 1.0 | 38 |
| Genesis D484RR | 53.6 | . | . | 9-17 | 1.0 | 1.0 | 28 |
| Delta King 4868RR | 53.3 | 51.7 | 54.2 | 9-20 | 1.0 | 1.0 | 35 |
| R97-1634 | 52.3 | . | . | 9-29 | 1.0 | 1.0 | 28 |
| ES XVT-17RR | 52.1 | . | . | 9-24 | 1.0 | 1.0 | 38 |
| R98-1817 | 51.7 | . | . | 9-24 | 1.0 | 1.0 | 23 |
| PGY 4860RR | 51.6 | . | . | 9-22 | 1.0 | 1.0 | 24 |
| PGY 4949RR | 50.5 | . | . | 9-23 | 1.0 | 1.0 | 39 |
| Croplan Genetics RC4992 | 50.0 | . | . | 9-19 | 1.0 | 1.0 | 35 |
| DEKALB DKB 53-51 | 49.9 | . | . | 9-25 | 1.0 | 1.0 | 23 |
| Southern States RT4902N | 49.6 | 51.1 | . | 9-21 | 1.0 | 1.0 | 39 |
| Morsoy RT4802 | 49.2 | 53.1 | . | 9-17 | 1.0 | 1.0 | 24 |
| Southern States RT4930 | 49.2 | . | . | 9-23 | 1.0 | 1.0 | 20 |
| Terral TVX49R2Y4 | 49.2 | . | . | 9-20 | 1.0 | 1.0 | 39 |
| Progeny 4932RR | 49.1 | 52.5 | . | 9-20 | 1.0 | 1.0 | 37 |
| Progeny 4884RR | 48.5 | . | . | 9-19 | 1.0 | 1.0 | 27 |
| Terral TVX49R1L2 | 48.1 | . | . | 9-21 | 1.0 | 1.0 | 38 |
| Delta King 4967RR | 47.9 | 48.5 | . | 9-19 | 1.0 | 1.0 | 29 |
| HBK R4820 | 47.5 | 53.1 | . | 9-20 | 1.0 | 1.0 | 26 |
| Southern States RT5302N | 47.3 | 51.5 | . | 9-24 | 1.0 | 1.0 | 28 |
| Manokin | 46.9 | 49.7 | 52.3 | 9-21 | 1.0 | 1.0 | 26 |
| Delta King XTJ450 | 46.6 | . | . | 9-24 | 1.0 | 1.0 | 24 |
| Southern States RT4980 | 46.4 | 48.8 | 51.2 | 9-22 | 1.0 | 1.0 | 33 |
| Terral TVX49R2Z1 | 46.0 | . | . | 9-21 | 1.0 | 1.0 | 36 |
| Armor 53-K3 | 45.1 | . | . | 9-28 | 1.0 | 1.0 | 25 |
| Armor 52-C2 | 44.9 | . | . | 9-25 | 1.0 | 1.0 | 22 |
| Terral TV4886RR | 42.8 | 50.3 | 52.4 | 9-17 | 1.0 | 1.0 | 39 |
| Terral TVX48R1U1 | 41.4 | . | . | 9-21 | 1.0 | 1.0 | 30 |
| Grand mean | 51.4 | . | . | 9-22 | 1.0 | 1.0 | 30 |
| LSD (5%) | 7.8 | . | . | 2 | . | . | . |
| C.V. (%) | 9.4 | . | . | 1 | . | . | . |

Table 4. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation Kibler, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| Genesis D421RR | 68.3 | . | . | 9-19 | 1.0 | 1.0 | 35 |
| ASGROW AG4201 | 65.9 | 57.2 | . | 9-23 | 1.0 | 1.0 | 40 |
| Deltapine DP3861RR | 65.5 | 54.3 | . | 9-15 | 1.0 | 1.0 | 37 |
| Delta King 3968RR | 65.2 | 56.0 | 54.4 | 9-15 | 1.0 | 1.0 | 39 |
| Armor 39-E9 | 65.1 | 57.8 | . | 9-14 | 1.0 | 1.0 | 42 |
| DEKALB DKB 44-51 | 63.9 | . | . | 9-21 | 1.0 | 1.0 | 45 |
| Pioneer Brand 94B73 | 63.5 | 55.7 | 56.3 | 9-20 | 2.7 | 1.0 | 47 |
| ASGROW AG3905 | 63.5 | . | . | 9-16 | 1.0 | 1.0 | 41 |
| Progeny 4401RR | 63.4 | 58.1 | . | 9-22 | 1.0 | 1.0 | 44 |
| Armor 44-R5 | 63.4 | 57.3 | . | 9-17 | 1.0 | 1.0 | 40 |
| Delta King XTJ447 | 63.2 | . | . | 9-22 | 1.0 | 1.0 | 43 |
| Armor 44-R4 | 62.9 | 54.9 | 57.0 | 9-21 | 1.0 | 1.0 | 40 |
| Pioneer Brand 94B13 | 62.7 | 57.4 | . | 9-21 | 1.0 | 1.0 | 43 |
| Terral TVX39R302 | 62.6 | . | . | 9-13 | 1.0 | 1.0 | 39 |
| Delta King 4763RR | 62.2 | 61.1 | 63.2 | 9-24 | 1.3 | 1.0 | 43 |
| Armor 47-G7 | 61.9 | 61.9 | 63.6 | 9-24 | 1.3 | 1.0 | 39 |
| ASGROW AG4403 | 61.2 | 53.8 | 53.1 | 9-19 | 1.3 | 1.0 | 45 |
| ASGROW AG3702 | 61.1 | 52.6 | 53.5 | 9-13 | 2.3 | 1.0 | 41 |
| Delta King 4461RR | 60.9 | 56.3 | 57.2 | 9-21 | 1.0 | 1.0 | 46 |
| PGY 3900RR | 59.8 | . | . | 9-16 | 2.0 | 1.0 | 35 |
| ASGROW AG4502 | 59.7 | . | . | 9-22 | 1.0 | 1.0 | 44 |
| Delta King XTJ439 | 59.5 | . | . | 9-15 | 1.3 | 1.0 | 38 |
| DEKALB DKB 46-51 | 59.3 | . | . | 9-22 | 1.3 | 1.0 | 41 |
| NK Brand S37-N4 | 58.8 | . | . | 9-16 | 1.0 | 1.0 | 38 |
| Morsoy RT4480 | 58.6 | 52.3 | . | 9-22 | 1.0 | 1.0 | 47 |
| Genesis C444RR | 58.2 | . | . | 9-20 | 1.0 | 1.0 | 45 |
| Pioneer Brand 94M70 | 57.5 | . | . | 9-20 | 2.0 | 1.0 | 50 |
| Southern States RT4502N | 56.0 | 53.2 | . | 9-20 | 1.0 | 1.0 | 47 |
| Delta King 3961RR | 55.7 | 51.1 | 48.5 | 9-17 | 1.0 | 1.0 | 46 |
| Terral TV4589RR | 55.3 | 51.4 | 56.1 | 9-22 | 1.0 | 1.0 | 46 |
| Pioneer Brand 93B68 | 55.1 | . | . | 9-13 | 1.0 | 1.0 | 36 |
| Pioneer Brand 94B54 | 54.6 | 49.6 | . | 9-21 | 1.0 | 1.0 | 47 |
| HBK R4623 | 54.6 | . | . | 9-19 | 1.3 | 1.0 | 51 |
| Deltapine DPX3940RR | 54.5 | 54.2 | . | 9-13 | 1.7 | 1.0 | 46 |
| ASGROW AG4603 | 54.0 | 52.3 | . | 9-23 | 1.0 | 1.0 | 41 |
| Terral TVX39RS301 | 53.6 | . | . | 9-16 | 1.0 | 1.0 | 38 |
| Maverick | 53.4 | . | . | 9-15 | 2.3 | 1.0 | 48 |
| Terral TVX47R2P1 | 52.6 | . | . | 9-22 | 2.0 | 1.0 | 47 |
| Terral TV4890RR | 50.8 | 49.6 | 49.7 | 9-21 | 1.0 | 1.0 | 50 |
| Terral TVX47R1K2 | 49.6 | . | . | 9-23 | 2.0 | 1.0 | 49 |
| PGY 4703RR | 47.0 | . | . | 9-22 | 1.7 | 1.0 | 55 |
| Grand mean | 59.1 | . | . | 9-19 | 1.3 | 1.0 | 43 |
| LSD (5%) | 5.6 | . | . | 3 | 0.5 | ns | . |
| C.V. (%) | 5.8 | . | . | 2 | 26.2 | . | . |

Table 4. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation Kibler, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Late Maturing Cultivars (RM 4.8 to 5.3)</u> | | | | | | | |
| Armor 49-P9 | 65.4 | . | . | 9-23 | 1.7 | 1.0 | 44 |
| Morsoy RT4993 | 62.8 | . | . | 9-25 | 1.7 | 1.0 | 45 |
| Genesis D484RR | 61.8 | . | . | 9-25 | 1.3 | 1.0 | 43 |
| Genesis D491RR | 61.8 | . | . | 9-23 | 1.0 | 1.0 | 45 |
| Morsoy RT4802 | 61.5 | 59.6 | . | 9-25 | 1.0 | 1.0 | 46 |
| Croplan Genetics RC4842 | 61.2 | . | . | 9-25 | 1.0 | 1.0 | 43 |
| Delta King 4967RR | 61.1 | 61.0 | . | 9-22 | 1.7 | 1.0 | 41 |
| Progeny 4884RR | 60.6 | . | . | 9-25 | 1.0 | 1.0 | 43 |
| Delta King 4868RR | 59.4 | 59.3 | 59.7 | 9-25 | 1.0 | 1.0 | 47 |
| R97-1634 | 58.2 | . | . | 10-07 | 2.0 | 1.0 | 43 |
| Genesis D524RR | 57.2 | . | . | 10-01 | 1.0 | 1.0 | 37 |
| R98-1817 | 57.2 | . | . | 9-25 | 1.0 | 1.0 | 37 |
| HBK R4820 | 57.1 | 57.3 | 57.2 | 9-25 | 1.0 | 1.0 | 45 |
| Morsoy RT4809 | 56.5 | 59.9 | 58.0 | 9-29 | 1.0 | 1.0 | 47 |
| Southern States RT4930 | 56.3 | . | . | 9-29 | 1.3 | 1.0 | 43 |
| PGY 4949RR | 54.9 | . | . | 9-30 | 2.0 | 1.0 | 49 |
| Delta King XTJ450 | 54.6 | . | . | 9-28 | 1.0 | 1.0 | 45 |
| PGY 4860RR | 54.6 | . | . | 9-28 | 1.3 | 1.0 | 45 |
| Delta King XTJ452 | 54.0 | . | . | 9-28 | 3.3 | 1.0 | 43 |
| Progeny 4910 | 53.7 | 54.1 | 52.5 | 9-25 | 1.7 | 1.0 | 47 |
| Delta King 5366RR | 53.5 | 54.4 | 52.0 | 10-02 | 2.7 | 1.0 | 42 |
| Armor 53-K3 | 53.2 | . | . | 10-02 | 1.0 | 1.0 | 42 |
| ASGROW AG4902 | 52.9 | 54.5 | 55.0 | 9-28 | 1.0 | 1.0 | 46 |
| Terral TVX48R1U1 | 52.9 | . | . | 9-22 | 2.3 | 1.0 | 51 |
| PGY 5250RR | 52.2 | 58.1 | . | 10-02 | 1.3 | 1.0 | 36 |
| Southern States RT5302N | 51.9 | 49.6 | . | 9-30 | 1.0 | 1.0 | 42 |
| Croplan Genetics RC4992 | 50.7 | . | . | 9-25 | 1.3 | 1.0 | 50 |
| DEKALB DKB 53-51 | 50.7 | . | . | 9-28 | 2.3 | 1.0 | 41 |
| Armor 52-C2 | 50.5 | . | . | 10-04 | 1.7 | 1.0 | 46 |
| Terral TVX49R2Y4 | 49.5 | . | . | 9-27 | 1.3 | 1.0 | 54 |
| Terral TVX49R2Z1 | 49.1 | . | . | 9-29 | 1.3 | 1.0 | 50 |
| Southern States RT4902N | 48.6 | 49.5 | . | 9-25 | 1.7 | 1.0 | 58 |
| Progeny 4932RR | 48.0 | 48.9 | . | 9-25 | 2.0 | 1.0 | 51 |
| ASGROW AG5301 | 48.0 | 50.5 | . | 10-02 | 1.0 | 1.0 | 42 |
| ES XVT-17RR | 48.0 | . | . | 9-29 | 3.0 | 1.0 | 56 |
| Manokin | 46.4 | 48.4 | 50.8 | 9-25 | 1.0 | 1.0 | 39 |
| Ozark | 45.6 | 51.2 | . | 10-02 | 1.7 | 1.0 | 40 |
| Terral TVX49R1L2 | 45.2 | . | . | 9-30 | 1.0 | 1.0 | 54 |
| Southern States RT4980 | 41.6 | 44.5 | 46.4 | 9-25 | 2.0 | 1.0 | 51 |
| Terral TV4886RR | 38.7 | 38.5 | 42.5 | 9-26 | 1.0 | 1.0 | 55 |
| Grand mean | 53.7 | . | . | 9-28 | 1.5 | 1.0 | 46 |
| LSD (5%) | 6.8 | . | . | 2 | 0.8 | ns | . |
| C.V. (%) | 7.8 | . | . | 2 | 31.6 | . | . |

Table 5. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2003^{1,2}.

| Brand/Cultivar | Keiser | Keiser | Marianna | Marianna | Stuttgart | Rohwer | Avg. |
|--|-----------------|--------|----------|----------|-----------|--------|------|
| | Irr. | Non. | Irr. | Non. | Irr. | Irr. | |
| | -----bu./A----- | | | | | | |
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| Armor 44-R4 | 69.1 | 35.9 | 60.5 | 44.4 | 56.6 | 50.4 | 52.8 |
| Armor 44-R5 | 72.6 | 39.4 | 56.2 | 41.4 | 63.1 | 51.7 | 54.1 |
| Armor 47-G7 | 72.2 | 42.1 | 63.2 | 48.6 | 63.9 | 48.2 | 56.4 |
| ASGROW AG4201 | 71.5 | 36.3 | 64.6 | 48.8 | 61.0 | 49.6 | 55.3 |
| ASGROW AG4403 | 69.9 | 46.4 | 53.3 | 39.4 | 58.0 | 51.7 | 53.1 |
| ASGROW AG4502 | 76.2 | 42.3 | 59.0 | 51.6 | 61.3 | 48.3 | 56.5 |
| ASGROW AG4603 | 64.5 | 39.9 | 64.4 | 45.4 | 57.9 | 46.8 | 53.2 |
| DEKALB DKB44-51 | 68.8 | 33.4 | 61.9 | 40.9 | 58.3 | 46.8 | 51.7 |
| DEKALB DKB44-52 | 61.0 | 45.9 | 48.6 | 42.2 | 60.1 | 39.1 | 49.5 |
| DEKALB DKB46-51 | 73.4 | 41.1 | 59.7 | 50.6 | 62.6 | 50.9 | 56.4 |
| Delta King 4461RR | 67.4 | 41.8 | 60.4 | 39.0 | 62.5 | 48.6 | 53.3 |
| Delta King 4763RR | 74.1 | 38.7 | 59.9 | 47.1 | 58.4 | 54.5 | 55.5 |
| Delta King XTJ401 | 67.6 | 37.8 | 61.2 | 39.0 | 54.1 | 51.3 | 51.8 |
| Delta King XTJ402 | 71.5 | 42.8 | 62.1 | 47.1 | 63.6 | 51.5 | 56.4 |
| Delta King XTJ446 | 66.0 | 44.2 | 52.1 | 34.0 | 54.1 | 53.0 | 50.6 |
| Delta King XTJ447 | 65.9 | 37.3 | 66.6 | 45.6 | 56.6 | 53.8 | 54.3 |
| Deltapine 4748S | 69.4 | 40.1 | 62.7 | 46.9 | 62.1 | 58.6 | 56.6 |
| Deltapine DP 4690RR | 65.8 | 40.6 | 61.2 | 41.7 | 51.3 | 53.7 | 52.4 |
| Deltapine DP4331RR | 69.0 | 34.9 | 58.2 | 44.4 | 53.5 | 52.1 | 52.0 |
| Deltapine DP4724RR | 71.2 | 41.6 | 62.4 | 46.4 | 57.3 | 54.8 | 55.6 |
| Deltapine DPX4446RR | 67.5 | 41.6 | 52.6 | 41.4 | 63.5 | 43.5 | 51.7 |
| DT98-7278 | 69.4 | 44.0 | 53.5 | 42.2 | 70.1 | 54.0 | 55.5 |
| Dyna Gro 3443NRR | 70.5 | 41.1 | 62.4 | 38.7 | 59.8 | 48.7 | 53.5 |
| Dyna Gro 3463NRR | 61.2 | 32.3 | 53.7 | 40.2 | 51.2 | 45.9 | 47.4 |
| Garst 4512RR/N | 67.6 | 34.9 | 56.5 | 41.7 | 54.5 | 53.3 | 51.4 |
| Garst XR46Y02 | 73.3 | * | * | * | * | 52.3 | * |
| Golden Harvest 4534RR | 64.9 | 35.9 | 60.2 | 44.9 | 55.1 | 48.3 | 51.6 |
| Golden Harvest 4772RR | 68.3 | 41.4 | 60.4 | 44.4 | 59.6 | 47.2 | 53.6 |
| HBK 4891 | 72.2 | 38.0 | 58.2 | 45.6 | 60.0 | 57.9 | 55.3 |
| Morsoy RT4480 | 65.3 | 37.5 | 49.6 | 42.9 | 54.7 | 51.7 | 50.3 |
| NK Brand S43-B1 | 67.3 | 41.1 | 57.7 | 42.2 | 65.6 | 47.2 | 53.5 |
| PGY 3900RR | 70.0 | 37.5 | 53.7 | 39.7 | 56.6 | 46.7 | 50.7 |
| Pioneer 94B73 | 77.4 | 46.1 | 52.3 | 45.9 | 66.5 | 47.5 | 56.0 |
| Pioneer 94M70 | 69.0 | 35.9 | 55.3 | 49.6 | 68.8 | 48.5 | 54.5 |
| Progeny 4401RR | 68.5 | 43.5 | 53.5 | 40.0 | 56.1 | 48.4 | 51.7 |
| Southern States RT4502N | 63.1 | 33.0 | 59.4 | 43.7 | 59.5 | 40.1 | 49.8 |
| Terral TV4589RR | 57.2 | 37.3 | 49.1 | 34.0 | 54.1 | 44.3 | 46.0 |
| Terral TV4890 RR | 61.6 | 34.9 | 54.3 | 42.7 | 53.8 | 45.1 | 48.7 |
| Terral TVX47R1K2 | 59.8 | 39.9 | 48.4 | 36.8 | 51.1 | 41.2 | 46.2 |
| Terral TVX47R2P1 | 61.9 | 40.4 | 53.0 | 38.0 | 52.9 | 39.1 | 47.6 |
| USG 7440nRR | 68.3 | 44.2 | 52.0 | 41.4 | 61.9 | 52.0 | 53.3 |
| Grand mean | 68.1 | 39.6 | 57.4 | 43.0 | 58.8 | 49.2 | 52.7 |
| LSD (5%) | 5.2 | 8.3 | 8.1 | 5.1 | 8.0 | 6.3 | . |
| C.V. (%) | 4.7 | 12.9 | 8.7 | 7.3 | 8.3 | 7.8 | . |

Table 5. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2003^{1,2}, Continued.

| Brand/Cultivar | Keiser | Keiser | Marianna | Marianna | Stuttgart | Rohwer | Avg. |
|--|-----------------|--------|----------|----------|-----------|--------|------|
| | Irr. | Non. | Irr. | Non. | Irr. | Irr. | |
| | -----bu./A----- | | | | | | |
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | | |
| Armor 49-P9 | 69.6 | 40.6 | 60.0 | 43.4 | 54.5 | 55.1 | 53.9 |
| ASGROW AG4902 | 67.2 | 41.8 | 47.6 | 45.9 | 65.8 | 40.2 | 51.4 |
| Delta Grow 4860RR | 66.7 | 40.1 | 57.5 | 45.9 | 53.5 | 46.9 | 51.8 |
| Delta Grow 4960RR | 67.6 | 48.5 | 57.2 | 48.3 | 65.2 | 48.4 | 55.9 |
| Delta King 4868RR | 66.3 | 39.0 | 51.5 | 42.9 | 57.1 | 59.2 | 52.7 |
| Delta King 4967RR | 69.1 | 38.7 | 53.5 | 47.1 | 57.5 | 50.0 | 52.7 |
| Delta King XTJ403 | 68.0 | 39.2 | 55.7 | 43.7 | 59.3 | 52.0 | 53.0 |
| Delta King XTJ448 | 62.4 | 49.7 | 51.6 | 37.5 | 57.3 | 54.7 | 52.2 |
| Delta King XTJ450 | 68.8 | 50.4 | 50.8 | 49.6 | 64.9 | 47.2 | 55.3 |
| Deltapine DP4933RR | 55.2 | 43.8 | 54.0 | 41.7 | 51.7 | 49.2 | 49.3 |
| DT97-4290 | 63.6 | 37.3 | 48.3 | 39.0 | 52.4 | 57.0 | 49.6 |
| DT98-9102 | 62.5 | 46.4 | 38.0 | 30.3 | 62.1 | 43.4 | 47.1 |
| DT99-17145 | 51.3 | * | * | * | * | 40.3 | * |
| DT99-17400 | 46.0 | * | * | * | * | 29.1 | * |
| DT99-17445 | 64.9 | * | * | * | * | 33.7 | * |
| Dyna Gro 3481NRR | 69.2 | 40.9 | 57.0 | 48.6 | 56.5 | 56.3 | 54.8 |
| Dyna Gro SX03149 | 73.0 | 47.8 | 54.5 | 45.4 | 58.0 | 55.9 | 55.8 |
| FFR 4922RR | 55.4 | 36.6 | 47.6 | 35.9 | 64.1 | 45.2 | 47.5 |
| Garst D484RR/N | 59.4 | 41.4 | 58.2 | 46.4 | 63.2 | 43.8 | 52.1 |
| Garst XR48Y11 | 62.6 | * | * | * | * | 49.3 | * |
| HBK 4944CX | 50.7 | 38.3 | 50.1 | 41.4 | 53.4 | 42.9 | 46.1 |
| HBK R4820 | 64.0 | 38.7 | 47.6 | 42.7 | 52.2 | 47.7 | 48.8 |
| HBK R4920 | 60.0 | 39.9 | 48.4 | 42.7 | 47.8 | 50.1 | 48.2 |
| HBK R4922 | 57.1 | 39.9 | 53.8 | 44.9 | 55.4 | 45.7 | 49.5 |
| Manokin | 58.9 | 49.2 | 46.1 | 46.1 | 51.8 | 48.1 | 50.0 |
| Morsoy RT4802 | 67.4 | 40.4 | 53.3 | 43.4 | 53.4 | 52.0 | 51.7 |
| Morsoy RT4809 | 66.4 | 40.4 | 50.8 | 42.7 | 53.2 | 55.1 | 51.4 |
| Morsoy RT4993 | 69.8 | 41.4 | 53.3 | 42.6 | 51.8 | 58.7 | 52.9 |
| MPV 4904nRR | 59.0 | 40.6 | 46.6 | 40.7 | 48.6 | 44.1 | 46.6 |
| NK Brand S49-Q9 | 66.6 | 45.2 | 52.8 | 49.6 | 67.5 | 47.8 | 54.9 |
| PGY 4860RR | 67.1 | 51.6 | 52.3 | 54.7 | 65.1 | 53.4 | 57.4 |
| PGY 4949RR | 72.3 | 50.4 | 49.6 | 44.4 | 71.6 | 55.4 | 57.3 |
| Progeny 4884RR | 64.3 | 39.5 | 56.7 | 36.5 | 55.8 | 49.0 | 50.3 |
| Progeny 4910 | 68.1 | 46.1 | 60.2 | 45.7 | 62.1 | 55.5 | 56.3 |
| Progeny 4932RR | 55.2 | 42.8 | 52.0 | 44.2 | 58.6 | 51.5 | 50.7 |
| R98-1817 | 57.8 | 59.3 | 53.8 | 48.1 | 64.2 | 52.5 | 56.0 |
| Southern States RT4902N | 55.7 | 39.7 | 50.3 | 40.0 | 53.6 | 50.2 | 48.3 |
| Southern States RT4930 | 67.8 | 47.5 | 56.2 | 48.1 | 57.7 | 51.0 | 54.7 |
| Southern States RT4980 | 61.6 | 39.7 | 45.9 | 41.2 | 43.9 | 44.3 | 46.1 |
| Southern States RT5001N | 54.9 | 46.4 | 55.0 | 51.8 | 62.4 | 45.6 | 52.7 |
| Southern States RT517N | 58.9 | 46.2 | 45.9 | 44.9 | 63.4 | 46.4 | 51.0 |
| Terral TV4886RR | 51.6 | 37.8 | 45.7 | 35.5 | 50.8 | 38.1 | 43.3 |
| Terral TVX48R1U1 | 57.5 | 40.6 | 46.4 | 40.0 | 54.8 | 38.4 | 46.3 |
| Terral TVX49R1L2 | 62.4 | 41.8 | 43.4 | 38.7 | 52.3 | 51.2 | 48.3 |

Table 5. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2003^{1,2}, Continued.

| Brand/Cultivar | Keiser | Keiser | Marianna | Marianna | Stuttgart | Rohwer | Avg. |
|--|-----------------|--------|----------|----------|-----------|--------|------|
| | Irr. | Non. | Irr. | Non. | Irr. | Irr. | |
| | -----bu./A----- | | | | | | |
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u> | | | | | | | |
| Terral TVX49R2Y4 | 62.0 | 43.7 | 43.4 | 39.7 | 56.3 | 50.9 | 49.3 |
| Terral TVX49R2Z1 | 63.0 | 42.1 | 42.2 | 39.9 | 57.7 | 49.9 | 49.1 |
| USG 7482nRR | 69.0 | 44.0 | 54.3 | 41.2 | 58.0 | 51.4 | 53.0 |
| USG 7489RR | 61.2 | 42.3 | 47.4 | 41.2 | 47.7 | 52.3 | 48.7 |
| USG 7499nRR | 63.1 | 42.8 | 55.8 | 45.6 | 55.3 | 46.5 | 51.5 |
| Grand mean | 62.5 | 43.1 | 51.2 | 43.3 | 57.1 | 48.6 | 51.0 |
| LSD (5%) | 4.7 | 6.2 | 5.7 | 5.0 | 8.8 | 9.5 | . |
| C.V. (%) | 4.6 | 8.8 | 6.8 | 7.1 | 9.5 | 12.0 | . |
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | | |
| 99VPI-67 | 61.4 | 44.9 | 48.6 | 42.2 | 65.7 | 51.6 | 52.4 |
| Anand | 72.6 | 48.3 | 65.1 | 55.0 | 54.2 | 61.1 | 59.4 |
| Armor 52-C2 | 60.9 | 59.4 | 53.0 | 53.0 | 67.5 | 49.7 | 57.3 |
| Armor 52-Q2 | 71.7 | 46.5 | 46.1 | 45.1 | 57.0 | 56.3 | 53.8 |
| Armor 53-K3 | 60.6 | 55.7 | 59.0 | 51.5 | 65.2 | 54.8 | 57.8 |
| ASGROW A5427 | 72.1 | 57.0 | 58.5 | 50.1 | 73.3 | 55.8 | 61.1 |
| ASGROW AG5301 | 63.8 | 58.2 | 56.0 | 54.3 | 67.2 | 53.8 | 58.9 |
| ASGROW AG5501 | 68.7 | 51.4 | 56.0 | 53.5 | 71.9 | 58.8 | 60.1 |
| Croplan Genetics RC5332 | 65.7 | 49.9 | 51.0 | 49.6 | 62.0 | 51.9 | 55.0 |
| Croplan Genetics RC5555 | 61.5 | 51.2 | 60.9 | 54.3 | 57.3 | 57.4 | 57.1 |
| DEKALB DKB53-51 | 62.6 | 45.6 | 55.8 | 48.3 | 65.2 | 60.2 | 56.3 |
| Delsoy 5500 | 55.2 | 52.6 | 53.3 | 50.3 | 61.5 | 52.0 | 54.2 |
| Delta Grow 5250RR | 57.6 | 42.3 | 51.3 | 45.9 | 60.2 | 48.8 | 51.0 |
| Delta Grow 5260RR | 63.2 | 44.7 | 59.4 | 52.5 | 68.3 | 57.7 | 57.6 |
| Delta Grow 5460RR | 68.7 | 52.0 | 55.3 | 53.0 | 59.9 | 54.1 | 57.2 |
| Delta King 5366RR | 67.8 | 62.0 | 56.3 | 52.3 | 52.6 | 56.8 | 58.0 |
| Delta King 5465RR | 63.4 | 45.4 | 53.5 | 49.1 | 66.1 | 57.2 | 55.8 |
| Delta King 5561RR | 60.0 | 48.6 | 53.3 | 50.6 | 57.5 | 43.4 | 52.2 |
| Delta King XTJ404 | 65.6 | 55.4 | 53.8 | 51.6 | 53.5 | 61.3 | 56.9 |
| Delta King XTJ405 | 57.7 | 44.8 | 56.2 | 49.6 | 55.0 | 45.4 | 51.5 |
| Delta King XTJ452 | 67.4 | 50.7 | 47.1 | 48.6 | 61.9 | 59.5 | 55.9 |
| Deltapine DP5414RR | 62.4 | 53.5 | 55.0 | 49.3 | 66.4 | 53.6 | 56.7 |
| DT99-17483 | 55.5 | * | * | * | * | 43.9 | * |
| Dyna Gro 3518NRR | 61.3 | 51.4 | 55.3 | 52.0 | 63.5 | 46.4 | 55.0 |
| Dyna Gro 3521NRR | 57.6 | 42.2 | 55.7 | 54.9 | 60.4 | 40.5 | 51.9 |
| Dyna Gro 3535NRR | 66.0 | 53.3 | 53.3 | 51.5 | 51.0 | 52.7 | 54.6 |
| Dyna Gro SX03152 | 60.3 | 54.1 | 53.8 | 48.1 | 64.9 | 45.6 | 54.5 |
| ES XVT-19RR | 61.0 | 47.9 | 53.5 | 55.8 | 59.8 | 55.1 | 55.5 |
| FFR 5225RR | 64.7 | 50.4 | 53.3 | 51.6 | 61.6 | 50.6 | 55.4 |
| FFR 5542RR | 63.8 | 56.1 | 55.0 | 50.1 | 68.3 | 48.6 | 57.0 |
| Garst 5212RR/N | 67.7 | * | * | * | * | 54.8 | * |
| Garst XR50N12 | 66.8 | * | * | * | * | 48.7 | * |

Table 5. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2003^{1,2}, Continued.

| Brand/Cultivar | Keiser | Keiser | Marianna | Marianna | Stuttgart | Rohwer | Avg. |
|---|-----------------|--------|----------|----------|-----------|--------|------|
| | Irr. | Non. | Irr. | Non. | Irr. | Irr. | |
| | -----bu./A----- | | | | | | |
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u> | | | | | | | |
| Golden Harvest 5492RR | 59.7 | 49.6 | 60.4 | 48.6 | 63.2 | 54.2 | 56.0 |
| HBK R5123 | 62.3 | 48.4 | 48.8 | 43.2 | 64.6 | 54.4 | 53.6 |
| HBK R5422 | 65.8 | 43.4 | 57.9 | 51.3 | 63.4 | 51.3 | 55.5 |
| Hutcheson | 61.9 | 51.5 | 53.5 | 46.9 | 66.6 | 56.9 | 56.2 |
| Md 92-5769 | 59.8 | 57.3 | 46.1 | 45.6 | 54.9 | 45.7 | 51.6 |
| Morsoy RT5252 | 66.2 | 55.0 | 56.0 | 48.1 | 69.4 | 56.6 | 58.6 |
| Morsoy RT5440 | 63.9 | 45.0 | 57.9 | 53.0 | 67.9 | 52.8 | 56.8 |
| Morsoy RT5553 | 64.2 | 55.5 | 54.8 | 56.0 | 59.0 | 52.7 | 57.0 |
| MPV 5302NRR | 54.2 | 44.3 | 52.8 | 47.8 | 63.1 | 52.9 | 52.5 |
| MPV 5502NRR | 54.4 | 46.1 | 51.3 | 47.9 | 62.9 | 54.7 | 52.9 |
| MPV 5504nRR | 56.6 | 46.9 | 51.3 | 47.6 | 66.3 | 52.3 | 53.5 |
| N99-186 | 71.5 | * | * | * | * | 52.9 | * |
| NK Brand S50-N3 | 61.9 | 50.0 | 52.0 | 43.4 | 65.8 | 52.2 | 54.2 |
| NK Brand S52-U3 | 60.6 | 47.3 | 47.4 | 51.5 | 69.5 | 51.0 | 54.6 |
| Ozark | 71.2 | 60.9 | 56.5 | 50.3 | 70.8 | 61.6 | 61.9 |
| PGY 5503RR | 68.0 | 48.0 | 56.0 | 54.0 | 57.6 | 60.6 | 57.4 |
| Pioneer Brand 95B32 | 63.7 | 50.1 | 48.6 | 45.2 | 52.4 | 51.1 | 51.9 |
| Pioneer Brand 95B42 | 63.0 | 48.4 | 52.0 | 47.6 | 61.2 | 48.2 | 53.4 |
| Pioneer Brand 95B43 | 58.7 | 54.8 | 50.8 | 44.4 | 68.7 | 55.7 | 55.5 |
| Progeny 5250RR | 64.9 | 52.4 | 55.5 | 52.3 | 67.0 | 57.5 | 58.3 |
| Progeny 5415RR | 64.1 | 47.8 | 54.5 | 50.8 | 67.1 | 53.1 | 56.2 |
| R95-1705 | 56.1 | 48.5 | 48.4 | 38.0 | 56.1 | 52.2 | 49.9 |
| R97-1634 | 71.5 | 52.7 | 54.7 | 52.5 | 65.0 | 58.9 | 59.2 |
| S99-2447-02RR | 56.7 | 56.3 | 47.1 | 52.0 | 63.4 | 54.6 | 55.0 |
| Southern States RT5302N | 67.7 | 43.0 | 54.3 | 51.1 | 64.3 | 51.3 | 55.3 |
| Southern States RT557N | 57.2 | 47.7 | 50.5 | 51.0 | 67.6 | 46.8 | 53.5 |
| Southern States RT5602 | 65.6 | 53.9 | 52.8 | 50.1 | 66.8 | 51.6 | 56.8 |
| Terral TV52R301 | 65.7 | 50.6 | 58.0 | 51.8 | 69.4 | 58.4 | 59.0 |
| Terral TV52R42 | 59.7 | 50.7 | 54.5 | 52.8 | 62.7 | 45.4 | 54.3 |
| Terral TV54R11 | 62.1 | 45.7 | 55.5 | 47.9 | 66.6 | 47.4 | 54.2 |
| USG 5002T | 70.8 | 55.3 | 53.8 | 49.8 | 54.4 | 58.7 | 57.1 |
| USG 540NRR | 60.3 | 49.6 | 55.3 | 51.3 | 68.3 | 52.8 | 56.3 |
| USG 7524nRR | 59.9 | 47.3 | 51.6 | 48.6 | 66.6 | 51.5 | 54.3 |
| USG 7553nRR | 69.3 | 51.0 | 59.2 | 54.3 | 60.0 | 54.6 | 58.1 |
| V96-0340 | 63.6 | 52.3 | 55.5 | 47.6 | 69.7 | 55.5 | 57.4 |
| Grand mean | 63.3 | 50.5 | 54.0 | 50.0 | 63.2 | 53.1 | 55.7 |
| LSD (5%) | 3.9 | 11.0 | 4.8 | 4.8 | 4.9 | 8.3 | . |
| C.V. (%) | 3.8 | 13.7 | 5.6 | 6.0 | 4.9 | 9.8 | . |

Table 5. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2003^{1,2}, Continued.

| Brand/Cultivar | Keiser | Keiser | Marianna | Marianna | Stuttgart | Rohwer | Avg. |
|---|--------|--------|----------|----------|-----------|--------|------|
| | Irr. | Non. | Irr. | Non. | Irr. | Irr. | |
| -----bu./A----- | | | | | | | |
| Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) | | | | | | | |
| 99VPI-120 | 57.2 | 48.4 | 51.5 | 42.4 | 62.6 | 46.6 | 51.5 |
| AGSE 587RR | 58.1 | 52.0 | 49.1 | 44.4 | 65.1 | 53.6 | 53.7 |
| Armor 56-C4 | 64.5 | 49.0 | 61.9 | 49.1 | 62.6 | 56.5 | 57.3 |
| Armor 56-J6 | 66.5 | 47.5 | 54.8 | 49.3 | 54.8 | 57.7 | 55.1 |
| Armor 58-V8 | 66.4 | 52.0 | 58.7 | 58.2 | 64.4 | 57.8 | 59.6 |
| Armor AXR5881 | 57.9 | 46.5 | 47.1 | 46.4 | 46.8 | 49.9 | 49.1 |
| ASGROW AG5605 | 69.2 | 47.4 | 60.0 | 50.8 | 58.9 | 58.4 | 57.5 |
| ASGROW AG5701 | 67.0 | 47.8 | 58.2 | 53.5 | 55.1 | 53.6 | 55.9 |
| ASGROW AG5903 | 69.1 | 54.4 | 55.0 | 55.0 | 61.5 | 51.6 | 57.8 |
| Caviness | 53.6 | 45.2 | 53.1 | 52.7 | 56.7 | 46.4 | 51.3 |
| Croplan Genetics RC5972 | 68.8 | 51.3 | 57.5 | 51.1 | 74.0 | 58.1 | 60.1 |
| DEKALB DKB57-51 | 67.9 | 46.5 | 62.6 | 47.8 | 63.3 | 56.1 | 57.4 |
| Delta Grow 5630RR | 65.9 | 49.7 | 52.8 | 51.0 | 53.3 | 60.7 | 55.6 |
| Delta Grow 5650RR | 71.4 | 43.2 | 54.0 | 46.6 | 65.9 | 55.1 | 56.0 |
| Delta Grow 5960RR | 67.6 | 51.2 | 57.0 | 51.8 | 71.7 | 58.9 | 59.7 |
| Delta King 5661RR | 64.8 | 45.6 | 54.0 | 51.1 | 57.2 | 57.5 | 55.0 |
| Delta King 5668RR | 62.5 | 47.0 | 58.2 | 50.1 | 56.5 | 59.8 | 55.7 |
| Delta King 5767RR | 68.0 | 49.5 | 53.0 | 53.3 | 64.4 | 57.6 | 57.6 |
| Delta King 5967RR | 69.3 | 51.2 | 58.5 | 56.5 | 69.9 | 55.5 | 60.2 |
| Delta King 5995 | 64.9 | 48.3 | 58.5 | 48.1 | 66.0 | 61.6 | 57.9 |
| Delta King XTJ406 | 68.5 | 46.8 | 57.5 | 50.6 | 65.7 | 54.2 | 57.2 |
| Delta King XTJ407 | 69.4 | 49.7 | 56.5 | 56.5 | 70.5 | 63.8 | 61.1 |
| Delta King XTJ457 | 60.7 | 48.8 | 54.8 | 47.4 | 61.9 | 57.4 | 55.2 |
| Delta King XTJ4R58 | 60.0 | 49.7 | 53.8 | 44.4 | 65.0 | 55.9 | 54.8 |
| Deltapine DP5634RR | 62.6 | 49.2 | 54.5 | 48.6 | 62.9 | 56.3 | 55.7 |
| Deltapine DP5806RR | 62.8 | 54.5 | 49.1 | 47.6 | 63.2 | 55.6 | 55.5 |
| Deltapine DP5915RR | 67.9 | 49.2 | 56.8 | 51.3 | 71.3 | 60.7 | 59.5 |
| DT98-11850 | 64.3 | * | * | * | * | 37.1 | * |
| DT99-16864 | 62.8 | * | * | * | * | 58.0 | * |
| DT99-17531 | 60.1 | * | * | * | * | 61.2 | * |
| DT99-17574 | 52.6 | * | * | * | * | 25.0 | * |
| Dyna Gro 33B52 | 68.2 | 48.7 | 49.8 | 44.4 | 63.1 | 57.6 | 55.3 |
| Dyna Gro 3562NRR | 61.9 | 46.7 | 53.5 | 54.5 | 57.1 | 51.7 | 54.2 |
| Dyna Gro 3583NRR | 68.6 | 47.5 | 58.5 | 54.8 | 67.3 | 52.0 | 58.1 |
| Dyna Gro 38K57 | 67.0 | 46.6 | 58.2 | 53.8 | 63.3 | 51.0 | 56.7 |
| Dyna Gro SX03157 | 58.8 | 48.0 | 53.4 | 52.3 | 59.9 | 54.2 | 54.4 |
| ES XVT-41RR | 58.7 | 50.9 | 53.8 | 46.9 | 62.7 | 53.4 | 54.4 |
| ES XVT-46RR | 54.4 | 47.1 | 46.9 | 41.0 | 67.3 | 55.3 | 52.0 |
| FFR 5702RR | 54.6 | 46.5 | 53.8 | 47.1 | 63.5 | 53.3 | 53.1 |
| Freedom | 59.7 | 44.8 | 40.4 | 23.1 | 66.7 | 45.3 | 46.7 |
| Garst 5812RR/N | 55.3 | 50.3 | 56.5 | 51.1 | 57.9 | 53.3 | 54.1 |
| Garst 6112RR/N | 70.8 | 56.2 | 54.8 | 58.2 | 70.7 | 57.4 | 61.4 |
| Garst XR57N20 | 71.1 | * | * | * | * | 55.9 | * |
| Garst XR59N25 | 68.1 | * | * | * | * | 59.3 | * |
| HBK 5592 | 60.3 | 48.0 | 44.9 | 46.1 | 65.3 | 54.1 | 53.1 |
| HBK 5991 | 62.5 | 48.8 | 52.1 | 50.8 | 59.6 | 55.1 | 54.8 |

Table 5. Yields of Maturity Groups IV and V Soybean Cultivars at All Locations, 2003^{1,2}, Continued.

| Brand/Cultivar | Keiser | Keiser | Marianna | Marianna | Stuttgart | Rohwer | Avg. |
|---|--------|--------|----------|----------|-----------|--------|------|
| | Irr. | Non. | Irr. | Non. | Irr. | Irr. | |
| -----bu./A----- | | | | | | | |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| HBK R5620 | 67.1 | 46.7 | 50.8 | 51.3 | 52.3 | 56.6 | 54.1 |
| HBK R5823 | 60.9 | 44.0 | 44.6 | 45.9 | 61.7 | 49.6 | 51.1 |
| HBK R6020 | 61.9 | 47.4 | 49.4 | 50.6 | 69.6 | 56.6 | 55.9 |
| Morsoy RT5620 | 62.2 | 47.9 | 54.5 | 53.8 | 58.9 | 56.3 | 55.6 |
| Morsoy RT5773 | 66.2 | 46.2 | 57.0 | 56.2 | 62.3 | 55.1 | 57.2 |
| Morsoy RT5903 | 68.6 | 52.0 | 51.1 | 55.5 | 70.8 | 61.9 | 60.0 |
| NK Brand S57-P1 | 62.7 | 48.2 | 48.4 | 52.5 | 66.9 | 54.6 | 55.6 |
| PGY 5703RR | 56.0 | 42.4 | 56.7 | 51.1 | 62.5 | 53.1 | 53.6 |
| Pioneer Brand 9594 | 60.2 | 53.9 | 52.3 | 42.9 | 72.4 | 54.2 | 56.0 |
| Pioneer Brand 95B96 | 65.9 | 51.5 | 50.5 | 46.6 | 72.4 | 51.3 | 56.4 |
| Pioneer Brand 95B97 | 64.8 | 50.9 | 51.6 | 54.3 | 58.5 | 52.0 | 55.4 |
| Progeny 5600 | 63.2 | 50.9 | 53.3 | 47.1 | 63.0 | 57.3 | 55.8 |
| Progeny 5660RR | 66.0 | 49.3 | 56.0 | 55.2 | 52.9 | 56.3 | 56.0 |
| Progeny 5822RR | 69.0 | 50.8 | 54.1 | 55.5 | 72.6 | 59.7 | 60.3 |
| R00-53F | 60.2 | 38.4 | 51.3 | 47.1 | 57.1 | 45.6 | 50.0 |
| R98-209 | 67.7 | 60.0 | 53.5 | 53.3 | 58.7 | 57.0 | 58.4 |
| Southern States RT5702N | 57.9 | * | * | * | * | 52.2 | * |
| Southern States RT5999N | 59.7 | * | * | * | * | 53.9 | * |
| Southern States RT6202N | 67.8 | * | * | * | * | 54.9 | * |
| Terral TV56R11 | 61.2 | 52.8 | 55.0 | 48.6 | 57.7 | 55.3 | 55.1 |
| Terral TV58R11 | 57.3 | 47.6 | 53.8 | 53.3 | 66.2 | 52.1 | 55.1 |
| Terral TV59R98 | 57.4 | 48.1 | 50.6 | 53.0 | 61.5 | 47.0 | 52.9 |
| Terral TVX56R1B2 | 62.5 | 43.2 | 48.3 | 46.4 | 51.8 | 51.3 | 50.6 |
| Terral TVX56R3K1 | 60.4 | 48.2 | 45.9 | 48.6 | 55.7 | 55.7 | 52.4 |
| Terral TVX57R2M1 | 65.6 | 46.6 | 47.6 | 46.1 | 52.0 | 52.1 | 51.7 |
| Terral TVX57R301 | 65.2 | 44.3 | 57.2 | 52.1 | 62.6 | 52.7 | 55.7 |
| Terral TVX58R1V2 | 59.6 | 52.6 | 46.9 | 42.9 | 59.8 | 52.1 | 52.3 |
| Terral TVX58R2W1 | 58.7 | 49.9 | 47.9 | 42.9 | 61.8 | 51.5 | 52.1 |
| Terral TVX59R201 | 60.6 | 49.8 | 44.9 | 40.5 | 62.0 | 51.9 | 51.6 |
| Terral TVX59R301 | 71.4 | 56.3 | 57.7 | 57.7 | 71.4 | 60.8 | 62.6 |
| Terral TVX62R001 | 70.4 | 58.4 | 54.5 | 58.0 | 69.6 | 61.6 | 62.1 |
| USG 5601T | 74.3 | 48.8 | 58.5 | 48.1 | 73.9 | 57.9 | 60.3 |
| USG 570NRR | 67.2 | 46.5 | 50.3 | 48.7 | 52.7 | 54.7 | 53.4 |
| USG 7562nRR | 67.5 | 52.3 | 60.7 | 49.3 | 53.6 | 54.7 | 56.4 |
| USG 7563nRR | 66.6 | 43.5 | 58.2 | 52.1 | 65.5 | 54.0 | 56.7 |
| USG 7582nRR | 67.1 | 49.5 | 58.2 | 56.2 | 73.6 | 61.5 | 61.0 |
| Grand mean | 63.8 | 48.9 | 53.5 | 49.9 | 62.7 | 54.5 | 55.6 |
| LSD (5%) | 7.0 | 6.6 | 7.0 | 5.9 | 6.7 | 7.1 | . |
| C.V. (%) | 6.8 | 8.4 | 8.2 | 7.4 | 6.7 | 8.2 | . |

¹ Keiser Irr. = Northeast Research and Extension Center.

Keiser Nonirr. = Northeast Research and Extension Center.

Marianna Irr. = Cotton Branch Station.

Marianna Nonirr. = Cotton Branch Station.

Stuttgart Irr. = Rice Research and Extension Center.

Rohwer Irr. = Southeast Research and Extension Center - Rohwer Division.

² Tests were also planted in Southwest Arkansas. Adequate stands were not achieved due to heavy rains. These tests are not reported.

* New strains

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| Pioneer 94B73 | 77.4 | 79.4 | . | 9-28 | 1.0 | 1.0 | 43 |
| ASGROW AG4502 | 76.2 | . | . | 9-29 | 1.0 | 1.0 | 39 |
| Delta King 4763RR | 74.1 | 77.9 | 72.6 | 10-01 | 2.0 | 1.0 | 43 |
| DEKALB DKB46-51 | 73.4 | . | . | 9-28 | 2.0 | 1.0 | 41 |
| Garst XR46Y02 | 73.3 | . | . | 9-27 | 2.0 | 1.0 | 42 |
| Armor 44-R5 | 72.6 | 78.1 | . | 9-27 | 1.0 | 1.0 | 40 |
| HBK 4891 | 72.2 | 73.2 | 67.9 | 9-27 | 1.0 | 1.0 | 43 |
| Armor 47-G7 | 72.2 | 75.2 | 69.1 | 9-30 | 1.0 | 1.0 | 42 |
| ASGROW AG4201 | 71.5 | 74.8 | . | 9-29 | 2.0 | 1.0 | 43 |
| Delta King XTJ402 | 71.5 | . | . | 9-30 | 1.0 | 1.0 | 42 |
| Deltapine DP4724RR | 71.2 | . | . | 9-28 | 3.0 | 1.0 | 43 |
| Dyna Gro 3443NRR | 70.5 | 74.7 | 70.8 | 9-26 | 1.0 | 1.0 | 44 |
| PGY 3900RR | 70.0 | . | . | 9-26 | 1.0 | 1.0 | 37 |
| ASGROW AG4403 | 69.9 | 73.4 | 69.1 | 9-26 | 1.0 | 1.0 | 40 |
| Deltapine 4748S | 69.4 | 74.4 | 69.1 | 9-29 | 3.0 | 1.0 | 52 |
| DT98-7278 | 69.4 | 75.6 | . | 10-03 | 1.0 | 1.0 | 34 |
| Armor 44-R4 | 69.1 | 74.3 | 69.6 | 9-27 | 1.0 | 1.0 | 41 |
| Deltapine DP4331RR | 69.0 | 72.6 | . | 9-27 | 1.0 | 1.0 | 42 |
| Pioneer 94M70 | 69.0 | . | . | 9-28 | 2.0 | 1.0 | 43 |
| DEKALB DKB44-51 | 68.8 | . | . | 9-28 | 1.0 | 1.0 | 44 |
| Progeny 4401RR | 68.5 | 72.1 | . | 9-27 | 1.0 | 1.0 | 41 |
| Golden Harvest 4772RR | 68.3 | 73.5 | . | 10-01 | 2.0 | 1.0 | 39 |
| USG 7440nRR | 68.3 | . | . | 9-27 | 1.0 | 1.0 | 41 |
| Garst 4512RR/N | 67.6 | 74.0 | 69.7 | 9-26 | 1.0 | 1.0 | 40 |
| Delta King XTJ401 | 67.6 | . | . | 9-29 | 1.0 | 1.0 | 41 |
| Deltapine DPX4446RR | 67.5 | . | . | 9-27 | 2.0 | 1.0 | 42 |
| Delta King 4461RR | 67.4 | 71.3 | 68.2 | 9-28 | 1.0 | 1.0 | 40 |
| NK Brand S43-B1 | 67.3 | . | . | 9-28 | 1.0 | 1.0 | 41 |
| Delta King XTJ446 | 66.0 | . | . | 9-30 | 2.0 | 1.0 | 40 |
| Delta King XTJ447 | 65.9 | . | . | 9-28 | 1.0 | 1.0 | 38 |
| Deltapine DP 4690RR | 65.8 | 69.1 | 63.2 | 9-29 | 1.0 | 1.0 | 46 |
| Morsoy RT4480 | 65.3 | 69.3 | . | 9-30 | 1.0 | 1.0 | 46 |
| Golden Harvest 4534RR | 64.9 | 70.4 | . | 9-27 | 1.0 | 1.0 | 43 |
| ASGROW AG4603 | 64.5 | 71.1 | . | 9-28 | 1.0 | 1.0 | 43 |
| Southern States RT4502N | 63.1 | 67.7 | . | 9-27 | 1.0 | 1.0 | 44 |
| Terral TVX47R2P1 | 61.9 | . | . | 10-01 | 1.0 | 1.0 | 45 |
| Terral TV4890 RR | 61.6 | 66.5 | 60.9 | 9-27 | 2.0 | 1.0 | 49 |
| Dyna Gro 3463NRR | 61.2 | . | . | 9-27 | 2.0 | 1.0 | 46 |
| DEKALB DKB44-52 | 61.0 | . | . | 9-26 | 1.0 | 1.0 | 38 |
| Terral TVX47R1K2 | 59.8 | . | . | 10-01 | 1.0 | 1.0 | 44 |
| Terral TV4589RR | 57.2 | 62.6 | 60.7 | 9-28 | 2.0 | 1.0 | 40 |
| Grand mean | 68.1 | . | . | 9-28 | 1.4 | 1.0 | 42 |
| LSD (5%) | 5.2 | . | . | ns | 0.1 | ns | . |
| C.V. (%) | 4.7 | . | . | . | 6.4 | . | . |

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | | |
| Dyna Gro SX03149 | 73.0 | . | . | 10-01 | 2.0 | 1.0 | 39 |
| PGY 4949RR | 72.3 | . | . | 10-03 | 2.0 | 1.0 | 48 |
| Morsoy RT4993 | 69.8 | . | . | 9-27 | 1.0 | 1.0 | 39 |
| Armor 49-P9 | 69.6 | . | . | 9-29 | 1.0 | 1.0 | 40 |
| Dyna Gro 3481NRR | 69.2 | . | . | 9-27 | 2.0 | 1.0 | 49 |
| Delta King 4967RR | 69.1 | 72.7 | . | 9-29 | 2.0 | 1.0 | 42 |
| USG 7482nRR | 69.0 | . | . | 9-30 | 2.0 | 1.0 | 44 |
| Delta King XTJ450 | 68.8 | . | . | 10-02 | 1.0 | 1.0 | 38 |
| Progeny 4910 | 68.1 | 71.6 | 65.5 | 10-02 | 2.0 | 1.0 | 47 |
| Delta King XTJ403 | 68.0 | . | . | 10-01 | 2.0 | 1.0 | 42 |
| Southern States RT4930 | 67.8 | . | . | 10-02 | 1.0 | 1.0 | 46 |
| Delta Grow 4960RR | 67.6 | . | . | 10-01 | 1.0 | 1.0 | 42 |
| Morsoy RT4802 | 67.4 | 73.3 | . | 9-27 | 2.0 | 1.0 | 43 |
| ASGROW AG4902 | 67.2 | 73.5 | 68.1 | 9-30 | 1.0 | 1.0 | 39 |
| PGY 4860RR | 67.1 | . | . | 10-03 | 1.0 | 1.0 | 37 |
| Delta Grow 4860RR | 66.7 | 73.0 | . | 9-28 | 2.0 | 1.0 | 42 |
| NK Brand S49-Q9 | 66.6 | 71.6 | . | 10-01 | 2.0 | 1.0 | 44 |
| Morsoy RT4809 | 66.4 | 70.1 | 66.0 | 10-01 | 1.0 | 1.0 | 44 |
| Delta King 4868RR | 66.3 | 69.5 | 65.7 | 9-27 | 1.0 | 1.0 | 43 |
| DT99-17445 | 64.9 | . | . | 10-01 | 2.0 | 1.0 | 33 |
| Progeny 4884RR | 64.3 | . | . | 9-28 | 2.0 | 1.0 | 40 |
| HBK R4820 | 64.0 | 69.4 | . | 9-27 | 1.0 | 1.0 | 42 |
| DT97-4290 | 63.6 | . | . | 10-01 | 1.0 | 1.0 | 43 |
| USG 7499nRR | 63.1 | 67.4 | . | 9-29 | 1.0 | 1.0 | 43 |
| Terral TVX49R2Z1 | 63.0 | . | . | 9-30 | 2.0 | 1.0 | 48 |
| Garst XR48Y11 | 62.6 | . | . | 9-29 | 1.0 | 1.0 | 40 |
| DT98-9102 | 62.5 | 70.9 | . | 10-02 | 1.0 | 1.0 | 35 |
| Delta King XTJ448 | 62.4 | . | . | 10-03 | 3.0 | 1.0 | 50 |
| Terral TVX49R1L2 | 62.4 | . | . | 9-30 | 1.0 | 1.0 | 53 |
| Terral TVX49R2Y4 | 62.0 | . | . | 10-01 | 2.0 | 1.0 | 51 |
| Southern States RT4980 | 61.6 | 65.0 | 60.3 | 9-30 | 1.0 | 1.0 | 44 |
| USG 7489RR | 61.2 | 64.6 | 59.3 | 9-28 | 1.0 | 1.0 | 42 |
| HBK R4920 | 60.0 | 63.8 | 60.1 | 10-01 | 2.0 | 1.0 | 45 |
| Garst D484RR/N | 59.4 | 65.9 | . | 9-30 | 2.0 | 1.0 | 43 |
| MPV 4904nRR | 59.0 | . | . | 10-01 | 3.0 | 1.0 | 49 |
| Southern States RT517N | 58.9 | 64.6 | 58.2 | 10-01 | 2.0 | 1.0 | 37 |
| Manokin | 58.9 | 57.8 | 55.5 | 10-03 | 2.0 | 1.0 | 35 |
| R98-1817 | 57.8 | 67.9 | . | 10-01 | 1.0 | 1.0 | 38 |
| Terral TVX48R1U1 | 57.5 | . | . | 10-01 | 1.0 | 1.0 | 45 |
| HBK R4922 | 57.1 | 63.9 | . | 9-29 | 2.0 | 1.0 | 43 |
| Southern States RT4902N | 55.7 | 61.9 | . | 9-27 | 2.0 | 1.0 | 44 |
| FFR 4922RR | 55.4 | . | . | 9-27 | 2.0 | 1.0 | 48 |
| Progeny 4932RR | 55.2 | 63.9 | . | 9-30 | 2.0 | 1.0 | 47 |
| Deltapine DP4933RR | 55.2 | 63.6 | . | 9-28 | 2.0 | 1.0 | 44 |

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u> | | | | | | | |
| Southern States RT5001N | 54.9 | 62.5 | 57.3 | 10-02 | 3.0 | 1.0 | 42 |
| Terral TV4886RR | 51.6 | 58.9 | 55.8 | 9-28 | 1.0 | 1.0 | 48 |
| DT99-17145 | 51.3 | . | . | 10-07 | 3.0 | 1.0 | 33 |
| HBK 4944CX | 50.7 | 58.1 | . | 9-26 | 2.0 | 3.0 | 48 |
| DT99-17400 | 46.0 | . | . | 10-01 | 1.0 | 1.0 | 32 |
| Grand mean | 62.5 | . | . | 9-30 | 1.7 | 1.0 | 43 |
| LSD (5%) | 4.7 | . | . | ns | ns | ns | . |
| C.V. (%) | 4.6 | . | . | . | . | . | . |
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | | |
| Anand | 72.6 | 75.4 | 72.6 | 10-09 | 1.0 | 1.0 | 34 |
| ASGROW A5427 | 72.1 | . | . | 10-05 | 1.0 | 1.0 | 49 |
| Armor 52-Q2 | 71.7 | . | . | 10-05 | 1.0 | 1.0 | 39 |
| R97-1634 | 71.5 | . | . | 10-13 | 1.0 | 1.0 | 39 |
| N99-186 | 71.5 | . | . | 10-08 | 1.0 | 1.0 | 42 |
| Ozark | 71.2 | 72.6 | 68.9 | 10-07 | 2.0 | 1.0 | 40 |
| USG 5002T | 70.8 | . | . | 10-07 | 1.0 | 1.0 | 37 |
| USG 7553nRR | 69.3 | . | . | 10-09 | 2.0 | 1.0 | 40 |
| ASGROW AG5501 | 68.7 | 74.0 | 68.2 | 10-08 | 1.0 | 1.0 | 43 |
| Delta Grow 5460RR | 68.7 | . | . | 10-09 | 1.0 | 1.0 | 40 |
| PGY 5503RR | 68.0 | . | . | 10-09 | 1.0 | 1.0 | 43 |
| Delta King 5366RR | 67.8 | 72.2 | 70.0 | 10-07 | 1.0 | 1.0 | 38 |
| Southern States RT5302N | 67.7 | 70.4 | . | 10-05 | 1.0 | 1.0 | 43 |
| Garst 5212RR/N | 67.7 | 71.4 | . | 10-04 | 1.0 | 1.0 | 45 |
| Delta King XTJ452 | 67.4 | . | . | 10-06 | 2.0 | 1.0 | 38 |
| Garst XR50N12 | 66.8 | . | . | 10-04 | 1.0 | 1.0 | 41 |
| Morsoy RT5252 | 66.2 | . | . | 10-06 | 1.0 | 1.0 | 40 |
| Dyna Gro 3535NRR | 66.0 | 71.0 | 68.2 | 10-06 | 3.0 | 1.0 | 38 |
| HBK R5422 | 65.8 | . | . | 10-05 | 1.0 | 1.0 | 44 |
| Croplan Genetics RC5332 | 65.7 | 69.6 | . | 10-04 | 1.0 | 1.0 | 39 |
| Terral TV52R301 | 65.7 | . | . | 10-07 | 1.0 | 1.0 | 35 |
| Southern States RT5602 | 65.6 | . | . | 10-07 | 1.0 | 1.0 | 35 |
| Delta King XTJ404 | 65.6 | . | . | 10-08 | 4.0 | 1.0 | 40 |
| Progeny 5250RR | 64.9 | 71.3 | . | 10-06 | 1.0 | 1.0 | 42 |
| FFR 5225RR | 64.7 | 70.3 | . | 10-07 | 1.0 | 1.0 | 41 |
| Morsoy RT5553 | 64.2 | . | . | 10-05 | 1.0 | 1.0 | 42 |
| Progeny 5415RR | 64.1 | . | . | 10-06 | 1.0 | 1.0 | 37 |
| Morsoy RT5440 | 63.9 | 67.5 | 64.7 | 10-07 | 1.0 | 1.0 | 41 |
| ASGROW AG5301 | 63.8 | 67.9 | . | 10-04 | 1.0 | 1.0 | 40 |
| FFR 5542RR | 63.8 | . | . | 10-06 | 1.0 | 1.0 | 43 |
| Pioneer Brand 95B32 | 63.7 | 68.9 | 66.9 | 10-05 | 1.0 | 1.0 | 41 |
| V96-0340 | 63.6 | . | . | 10-05 | 1.0 | 1.0 | 46 |

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u> | | | | | | | |
| Delta King 5465RR | 63.4 | 68.4 | 63.8 | 10-08 | 1.0 | 1.0 | 40 |
| Delta Grow 5260RR | 63.2 | . | . | 10-05 | 1.0 | 1.0 | 35 |
| Pioneer Brand 95B42 | 63.0 | 68.0 | . | 10-07 | 2.0 | 1.0 | 45 |
| DEKALB DKB53-51 | 62.6 | . | . | 10-05 | 2.0 | 1.0 | 41 |
| Deltapine DP5414RR | 62.4 | 67.9 | 62.3 | 10-08 | 1.0 | 1.0 | 40 |
| HBK R5123 | 62.3 | . | . | 10-08 | 3.0 | 1.0 | 43 |
| Terral TV54R11 | 62.1 | 68.0 | 63.8 | 10-08 | 1.0 | 1.0 | 40 |
| Hutcheson | 61.9 | 66.1 | 62.8 | 10-07 | 1.0 | 1.0 | 42 |
| NK Brand S50-N3 | 61.9 | . | . | 10-06 | 1.0 | 1.0 | 41 |
| Croplan Genetics RC5555 | 61.5 | . | . | 10-07 | 2.0 | 1.0 | 36 |
| 99VPI-67 | 61.4 | 65.4 | . | 10-05 | 1.0 | 1.0 | 42 |
| Dyna Gro 3518NRR | 61.3 | 66.1 | 60.0 | 10-04 | 2.0 | 1.0 | 44 |
| ES XVT-19RR | 61.0 | . | . | 10-11 | 1.0 | 1.0 | 47 |
| Armor 52-C2 | 60.9 | 65.6 | 63.8 | 10-09 | 2.0 | 1.0 | 37 |
| Armor 53-K3 | 60.6 | 63.9 | 62.4 | 10-07 | 1.0 | 1.0 | 42 |
| NK Brand S52-U3 | 60.6 | 67.0 | . | 10-07 | 3.0 | 1.0 | 39 |
| USG 540NRR | 60.3 | 67.3 | 64.0 | 10-05 | 1.0 | 1.0 | 38 |
| Dyna Gro SX03152 | 60.3 | . | . | 10-05 | 1.0 | 1.0 | 47 |
| Delta King 5561RR | 60.0 | 64.1 | . | 10-06 | 1.0 | 1.0 | 47 |
| USG 7524nRR | 59.9 | . | . | 10-05 | 4.0 | 1.0 | 44 |
| Md 92-5769 | 59.8 | . | . | 10-06 | 2.0 | 1.0 | 35 |
| Terral TV52R42 | 59.7 | 63.8 | 59.0 | 10-04 | 1.0 | 1.0 | 44 |
| Golden Harvest 5492RR | 59.7 | 63.9 | . | 10-07 | 1.0 | 1.0 | 42 |
| Pioneer Brand 95B43 | 58.7 | 65.7 | . | 10-08 | 2.0 | 1.0 | 44 |
| Delta King XTJ405 | 57.7 | . | . | 10-04 | 2.0 | 1.0 | 44 |
| Delta Grow 5250RR | 57.6 | 62.5 | 60.8 | 10-06 | 1.0 | 1.0 | 41 |
| Dyna Gro 3521NRR | 57.6 | 62.1 | 60.1 | 10-05 | 1.0 | 1.0 | 44 |
| Southern States RT557N | 57.2 | 60.3 | 56.8 | 10-07 | 2.0 | 1.0 | 43 |
| S99-2447-02RR | 56.7 | . | . | 10-09 | 3.0 | 1.0 | 49 |
| MPV 5504nRR | 56.6 | . | . | 10-08 | 2.0 | 1.0 | 37 |
| R95-1705 | 56.1 | 61.1 | . | 10-06 | 1.0 | 1.0 | 37 |
| DT99-17483 | 55.5 | . | . | 10-07 | 2.0 | 1.0 | 44 |
| Delsoy 5500 | 55.2 | 61.2 | 57.6 | 10-05 | 1.0 | 1.0 | 40 |
| MPV 5502NRR | 54.4 | 62.2 | . | 10-07 | 2.0 | 1.0 | 37 |
| MPV 5302NRR | 54.2 | 59.7 | . | 10-05 | 1.0 | 1.0 | 35 |
| Grand mean | 63.3 | . | . | 10-07 | 1.4 | 1.0 | 41 |
| LSD (5%) | 3.9 | . | . | ns | ns | ns | . |
| C.V. (%) | 3.8 | . | . | . | . | . | . |

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | | | | | | |
| USG 5601T | 74.3 | 75.1 | . | 10-08 | 1.0 | 1.0 | 39 |
| Delta Grow 5650RR | 71.4 | . | . | 10-13 | 1.0 | 1.0 | 40 |
| Terral TVX59R301 | 71.4 | . | . | 10-11 | 2.0 | 1.0 | 44 |
| Garst XR57N20 | 71.1 | . | . | 10-11 | 1.0 | 1.0 | 43 |
| Garst 6112RR/N | 70.8 | . | . | 10-15 | 1.0 | 1.0 | 43 |
| Terral TVX62R001 | 70.4 | 74.0 | . | 10-18 | 1.0 | 1.0 | 41 |
| Delta King XTJ407 | 69.4 | . | . | 10-13 | 1.0 | 1.0 | 40 |
| Delta King 5967RR | 69.3 | 74.0 | . | 10-13 | 1.0 | 1.0 | 43 |
| ASGROW AG5605 | 69.2 | . | . | 10-11 | 1.0 | 1.0 | 39 |
| ASGROW AG5903 | 69.1 | 74.5 | . | 10-10 | 1.0 | 1.0 | 42 |
| Progeny 5822RR | 69.0 | 77.0 | . | 10-10 | 1.0 | 1.0 | 42 |
| Croplan Genetics RC5972 | 68.8 | 76.2 | . | 10-11 | 1.0 | 1.0 | 44 |
| Dyna Gro 3583NRR | 68.6 | 74.3 | . | 10-12 | 1.0 | 1.0 | 42 |
| Morsoy RT5903 | 68.6 | . | . | 10-11 | 1.0 | 1.0 | 43 |
| Delta King XTJ406 | 68.5 | . | . | 10-08 | 1.0 | 1.0 | 37 |
| Dyna Gro 33B52 | 68.2 | . | . | 10-09 | 1.0 | 1.0 | 36 |
| Garst XR59N25 | 68.1 | . | . | 10-10 | 1.0 | 1.0 | 41 |
| Delta King 5767RR | 68.0 | 73.5 | . | 10-11 | 1.0 | 1.0 | 40 |
| Deltapine DP5915RR | 67.9 | 73.8 | 69.8 | 10-13 | 1.0 | 1.0 | 44 |
| DEKALB DKB57-51 | 67.9 | . | . | 10-09 | 1.0 | 1.0 | 42 |
| Southern States RT6202N | 67.8 | 71.6 | . | 10-19 | 1.0 | 1.0 | 39 |
| R98-209 | 67.7 | . | . | 10-17 | 1.0 | 1.0 | 44 |
| Delta Grow 5960RR | 67.6 | 71.3 | . | 10-12 | 1.0 | 1.0 | 41 |
| USG 7562nRR | 67.5 | . | . | 10-12 | 1.0 | 1.0 | 43 |
| USG 570NRR | 67.2 | 71.3 | 67.8 | 10-12 | 1.0 | 1.0 | 42 |
| HBK R5620 | 67.1 | 71.6 | 68.3 | 10-11 | 1.0 | 1.0 | 41 |
| USG 7582nRR | 67.1 | 69.6 | . | 10-11 | 1.0 | 1.0 | 39 |
| ASGROW AG5701 | 67.0 | 69.2 | 63.9 | 10-10 | 1.0 | 1.0 | 43 |
| Dyna Gro 38K57 | 67.0 | . | . | 10-09 | 1.0 | 1.0 | 45 |
| USG 7563nRR | 66.6 | . | . | 10-10 | 2.0 | 1.0 | 43 |
| Armor 56-J6 | 66.5 | 72.2 | 69.2 | 10-11 | 1.0 | 1.0 | 44 |
| Armor 58-V8 | 66.4 | . | . | 10-13 | 1.0 | 1.0 | 40 |
| Morsoy RT5773 | 66.2 | . | . | 10-11 | 1.0 | 1.0 | 43 |
| Progeny 5660RR | 66.0 | 71.6 | 67.7 | 10-11 | 2.0 | 1.0 | 43 |
| Delta Grow 5630RR | 65.9 | 70.6 | 65.6 | 10-11 | 1.0 | 1.0 | 41 |
| Pioneer Brand 95B96 | 65.9 | 67.4 | 65.3 | 10-02 | 1.0 | 1.0 | 41 |
| Terral TVX57R2M1 | 65.6 | . | . | 10-08 | 1.0 | 1.0 | 44 |
| Terral TVX57R301 | 65.2 | . | . | 10-09 | 1.0 | 1.0 | 45 |
| Delta King 5995 | 64.9 | 70.7 | 68.7 | 10-12 | 1.0 | 1.0 | 35 |
| Delta King 5661RR | 64.8 | 71.7 | 67.7 | 10-13 | 1.0 | 1.0 | 45 |
| Pioneer Brand 95B97 | 64.8 | 69.4 | 66.6 | 10-11 | 1.0 | 1.0 | 35 |
| Armor 56-C4 | 64.5 | 70.9 | . | 10-11 | 2.0 | 1.0 | 40 |
| DT98-11850 | 64.3 | . | . | 10-09 | 1.0 | 1.0 | 35 |
| Progeny 5600 | 63.2 | 65.0 | 61.6 | 10-06 | 1.0 | 1.0 | 39 |

Table 6. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| Deltapine DP5806RR | 62.8 | 67.6 | 62.5 | 10-13 | 1.0 | 1.0 | 37 |
| DT99-16864 | 62.8 | . | . | 10-12 | 1.0 | 1.0 | 38 |
| NK Brand S57-P1 | 62.7 | . | . | 10-08 | 1.0 | 1.0 | 43 |
| Deltapine DP5634RR | 62.6 | 66.2 | . | 10-09 | 1.0 | 1.0 | 46 |
| HBK 5991 | 62.5 | 62.9 | 60.3 | 10-10 | 1.0 | 1.0 | 42 |
| Delta King 5668RR | 62.5 | 71.4 | 66.8 | 10-10 | 2.0 | 1.0 | 38 |
| Terral TVX56R1B2 | 62.5 | . | . | 10-07 | 1.0 | 1.0 | 42 |
| Morsoy RT5620 | 62.2 | 69.5 | 64.3 | 10-12 | 2.0 | 1.0 | 39 |
| Dyna Gro 3562NRR | 61.9 | 69.8 | 66.5 | 10-11 | 1.0 | 1.0 | 39 |
| HBK R6020 | 61.9 | 69.1 | 63.4 | 10-17 | 1.0 | 1.0 | 42 |
| Terral TV56R11 | 61.2 | 69.5 | 66.6 | 10-13 | 1.0 | 1.0 | 44 |
| HBK R5823 | 60.9 | . | . | 10-09 | 1.0 | 1.0 | 33 |
| Delta King XTJ457 | 60.7 | . | . | 10-10 | 1.0 | 1.0 | 52 |
| Terral TVX59R201 | 60.6 | . | . | 10-10 | 1.0 | 1.0 | 46 |
| Terral TVX56R3K1 | 60.4 | . | . | 10-11 | 1.0 | 1.0 | 42 |
| HBK 5592 | 60.3 | . | . | 10-11 | 1.0 | 1.0 | 43 |
| Pioneer Brand 9594 | 60.2 | 67.5 | 65.0 | 10-11 | 1.0 | 1.0 | 40 |
| R00-53F | 60.2 | . | . | 10-08 | 1.0 | 1.0 | 38 |
| DT99-17531 | 60.1 | . | . | 10-09 | 1.0 | 1.0 | 42 |
| Delta King XTJ4R58 | 60.0 | . | . | 10-11 | 2.0 | 1.0 | 58 |
| Southern States RT5999N | 59.7 | 62.7 | 58.1 | 10-13 | 1.0 | 1.0 | 52 |
| Freedom | 59.7 | 64.2 | 61.1 | 10-08 | 3.0 | 1.0 | 37 |
| Terral TVX58R1V2 | 59.6 | . | . | 10-10 | 1.0 | 1.0 | 45 |
| Dyna Gro SX03157 | 58.8 | . | . | 10-10 | 4.0 | 1.0 | 44 |
| ES XVT-41RR | 58.7 | . | . | 10-19 | 1.0 | 1.0 | 45 |
| Terral TVX58R2W1 | 58.7 | . | . | 10-14 | 1.0 | 1.0 | 45 |
| AGSE 587RR | 58.1 | . | . | 10-12 | 1.0 | 1.0 | 46 |
| Southern States RT5702N | 57.9 | 65.3 | . | 10-11 | 1.0 | 1.0 | 48 |
| Armor AXR5881 | 57.9 | . | . | 10-11 | 1.0 | 1.0 | 40 |
| Terral TV59R98 | 57.4 | 62.3 | 57.4 | 10-10 | 1.0 | 1.0 | 47 |
| Terral TV58R11 | 57.3 | 65.9 | 61.6 | 10-11 | 1.0 | 1.0 | 41 |
| 99VPI-120 | 57.2 | 61.2 | . | 10-07 | 1.0 | 1.0 | 39 |
| PGY 5703RR | 56.0 | . | . | 10-11 | 2.0 | 1.0 | 40 |
| Garst 5812RR/N | 55.3 | 62.0 | . | 10-10 | 1.0 | 1.0 | 45 |
| FFR 5702RR | 54.6 | . | . | 10-10 | 1.0 | 1.0 | 50 |
| ES XVT-46RR | 54.4 | . | . | 10-14 | 1.0 | 1.0 | 45 |
| Caviness | 53.6 | 63.1 | 61.0 | 10-09 | 1.0 | 1.0 | 40 |
| DT99-17574 | 52.6 | . | . | 10-10 | 1.0 | 1.0 | 36 |
| Grand mean | 63.8 | . | . | 10-11 | 1.2 | 1.0 | 42 |
| LSD (5%) | 7.0 | . | . | 1 | ns | ns | . |
| C.V. (%) | 6.8 | . | . | 1 | . | . | . |

Table 7. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| ASGROW AG4403 | 46.4 | 48.5 | 39.7 | 9-21 | 1.0 | 1.0 | 39 |
| Pioneer 94B73 | 46.1 | 52.6 | . | 9-16 | 1.0 | 2.0 | 35 |
| DEKALB DKB44-52 | 45.9 | . | . | 9-25 | 1.0 | 2.0 | 28 |
| USG 7440nRR | 44.2 | . | . | 9-24 | 1.0 | 1.0 | 39 |
| Delta King XTJ446 | 44.2 | . | . | 9-26 | 1.0 | 1.0 | 42 |
| DT98-7278 | 44.0 | . | . | 9-26 | 1.0 | 1.0 | 33 |
| Progeny 4401RR | 43.5 | 47.7 | . | 9-21 | 1.0 | 1.0 | 33 |
| Delta King XTJ402 | 42.8 | . | . | 9-26 | 1.0 | 1.0 | 34 |
| ASGROW AG4502 | 42.3 | . | . | 9-15 | 1.0 | 2.0 | 28 |
| Armor 47-G7 | 42.1 | 49.4 | 39.7 | 9-26 | 1.0 | 1.0 | 30 |
| Delta King 4461RR | 41.8 | 46.2 | 37.4 | 9-20 | 1.0 | 1.0 | 36 |
| Deltapine DPX4446RR | 41.6 | . | . | 9-25 | 1.0 | 1.0 | 37 |
| Deltapine DP4724RR | 41.6 | . | . | 9-22 | 1.0 | 1.0 | 37 |
| Golden Harvest 4772RR | 41.4 | 47.1 | . | 9-24 | 1.0 | 1.0 | 33 |
| Dyna Gro 3443NRR | 41.1 | 47.7 | 38.7 | 9-21 | 1.0 | 2.0 | 32 |
| NK Brand S43-B1 | 41.1 | . | . | 9-22 | 1.0 | 1.0 | 31 |
| DEKALB DKB46-51 | 41.1 | . | . | 9-24 | 1.0 | 1.0 | 30 |
| Deltapine DP 4690RR | 40.6 | 47.4 | 37.1 | 9-23 | 1.0 | 1.7 | 32 |
| Terral TVX47R2P1 | 40.4 | . | . | 9-26 | 1.0 | 1.0 | 36 |
| Deltapine 4748S | 40.1 | 48.4 | 40.2 | 9-27 | 1.0 | 1.3 | 36 |
| ASGROW AG4603 | 39.9 | 46.3 | . | 9-27 | 1.0 | 1.0 | 33 |
| Terral TVX47R1K2 | 39.9 | . | . | 9-26 | 1.0 | 1.0 | 35 |
| Armor 44-R5 | 39.4 | . | . | 9-22 | 1.0 | 2.0 | 30 |
| Delta King 4763RR | 38.7 | 47.3 | 38.7 | 9-23 | 1.0 | 1.0 | 34 |
| HBK 4891 | 38.0 | 44.1 | 36.8 | 9-22 | 1.0 | 2.0 | 34 |
| Delta King XTJ401 | 37.8 | . | . | 9-19 | 1.0 | 1.0 | 29 |
| Morsoy RT4480 | 37.5 | 42.5 | . | 9-21 | 1.0 | 2.0 | 32 |
| PGY 3900RR | 37.5 | . | . | 9-15 | 1.0 | 3.0 | 29 |
| Terral TV4589RR | 37.3 | 40.9 | 34.1 | 9-16 | 1.0 | 1.0 | 38 |
| Delta King XTJ447 | 37.3 | . | . | 9-22 | 1.0 | 1.0 | 32 |
| ASGROW AG4201 | 36.3 | 41.8 | . | 9-16 | 1.0 | 1.0 | 30 |
| Armor 44-R4 | 35.9 | 43.3 | 36.1 | 9-18 | 1.0 | 1.0 | 32 |
| Golden Harvest 4534RR | 35.9 | 44.2 | . | 9-17 | 1.0 | 1.0 | 30 |
| Pioneer 94M70 | 35.9 | . | . | 9-15 | 1.7 | 1.3 | 33 |
| Terral TV4890 RR | 34.9 | 40.1 | 33.7 | 9-20 | 1.0 | 1.0 | 43 |
| Garst 4512RR/N | 34.9 | 42.1 | . | 9-18 | 1.0 | 1.0 | 33 |
| Deltapine DP4331RR | 34.9 | . | . | 9-18 | 1.0 | 2.0 | 31 |
| DEKALB DKB44-51 | 33.4 | . | . | 9-18 | 1.0 | 1.0 | 29 |
| Southern States RT4502N | 33.0 | 42.2 | . | 9-22 | 1.0 | 1.0 | 37 |
| Dyna Gro 3463NRR | 32.3 | . | . | 9-18 | 1.0 | 1.0 | 39 |
| Grand mean | 39.6 | . | . | 9-21 | 1.0 | 1.3 | 34 |
| LSD (5%) | 8.3 | . | . | ns | 0.1 | 0.2 | . |
| C.V. (%) | 12.9 | . | . | . | 8.8 | 11.8 | . |

Table 7. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | | |
| R98-1817 | 59.3 | 54.2 | . | 9-29 | 1.0 | 1.0 | 37 |
| PGY 4860RR | 51.6 | . | . | 9-28 | 1.0 | 1.0 | 38 |
| Delta King XTJ450 | 50.4 | . | . | 9-27 | 1.0 | 1.0 | 35 |
| PGY 4949RR | 50.4 | . | . | 10-02 | 1.0 | 1.0 | 41 |
| Delta King XTJ448 | 49.7 | . | . | 10-01 | 1.0 | 1.0 | 44 |
| Manokin | 49.2 | 49.7 | 41.1 | 9-29 | 1.0 | 1.0 | 36 |
| Delta Grow 4960RR | 48.5 | . | . | 9-29 | 1.0 | 1.0 | 38 |
| Dyna Gro SX03149 | 47.8 | . | . | 9-28 | 1.0 | 1.0 | 36 |
| Southern States RT4930 | 47.5 | . | . | 9-28 | 1.0 | 1.0 | 38 |
| Southern States RT5001N | 46.4 | 45.2 | . | 10-01 | 1.0 | 1.0 | 40 |
| DT98-9102 | 46.4 | . | . | 9-29 | 1.0 | 1.0 | 33 |
| Southern States RT517N | 46.2 | 48.2 | . | 9-30 | 1.0 | 1.0 | 40 |
| Progeny 4910 | 46.1 | 47.6 | 38.8 | 10-03 | 1.0 | 1.0 | 43 |
| NK Brand S49-Q9 | 45.2 | 46.9 | . | 9-27 | 1.0 | 1.0 | 35 |
| USG 7482nRR | 44.0 | . | . | 9-22 | 1.0 | 1.0 | 37 |
| Deltapine DP4933RR | 43.8 | . | . | 9-30 | 1.0 | 1.0 | 40 |
| Terral TVX49R2Y4 | 43.7 | . | . | 9-25 | 1.0 | 1.0 | 47 |
| Progeny 4932RR | 42.8 | 45.4 | . | 9-28 | 1.0 | 1.0 | 40 |
| USG 7499nRR | 42.8 | 43.8 | . | 9-29 | 1.0 | 1.0 | 36 |
| USG 7489RR | 42.3 | 45.7 | 36.1 | 9-30 | 1.0 | 1.0 | 37 |
| Terral TVX49R2Z1 | 42.1 | . | . | 9-25 | 1.0 | 1.0 | 44 |
| ASGROW AG4902 | 41.8 | 44.1 | 36.3 | 9-26 | 1.0 | 1.0 | 34 |
| Terral TVX49R1L2 | 41.8 | . | . | 9-25 | 1.0 | 1.0 | 42 |
| Garst D484RR/N | 41.4 | 41.1 | . | 9-29 | 1.0 | 1.0 | 38 |
| Morsoy RT4993 | 41.4 | . | . | 9-26 | 1.0 | 1.0 | 36 |
| Dyna Gro 3481NRR | 40.9 | . | . | 9-24 | 1.0 | 1.0 | 38 |
| Terral TVX48R1U1 | 40.6 | . | . | 9-29 | 1.0 | 1.0 | 39 |
| MPV 4904nRR | 40.6 | . | . | 9-28 | 1.0 | 1.0 | 36 |
| Armor 49-P9 | 40.6 | . | . | 9-30 | 1.0 | 1.0 | 36 |
| Morsoy RT4809 | 40.4 | 40.2 | 33.6 | 9-25 | 1.0 | 1.0 | 36 |
| Morsoy RT4802 | 40.4 | 42.1 | . | 9-24 | 1.0 | 1.0 | 35 |
| Delta Grow 4860RR | 40.1 | 40.8 | . | 9-22 | 1.0 | 1.0 | 35 |
| HBK R4920 | 39.9 | 43.9 | 35.2 | 9-24 | 1.0 | 1.0 | 37 |
| HBK R4922 | 39.9 | 43.5 | . | 10-02 | 1.0 | 1.0 | 40 |
| Southern States RT4980 | 39.7 | 42.2 | 33.6 | 9-26 | 1.0 | 1.0 | 33 |
| Southern States RT4902N | 39.7 | 43.8 | . | 9-30 | 1.0 | 1.0 | 40 |
| Progeny 4884RR | 39.5 | . | . | 9-22 | 1.0 | 1.0 | 33 |
| Delta King XTJ403 | 39.2 | . | . | 9-21 | 1.0 | 1.0 | 36 |
| Delta King 4868RR | 39.0 | 40.1 | 34.5 | 9-24 | 1.0 | 1.0 | 30 |
| HBK R4820 | 38.7 | 40.1 | . | 9-26 | 1.0 | 1.0 | 35 |
| Delta King 4967RR | 38.7 | 41.4 | . | 9-21 | 1.0 | 1.0 | 32 |
| HBK 4944CX | 38.3 | 39.8 | . | 9-20 | 1.0 | 4.0 | 39 |
| Terral TV4886RR | 37.8 | 38.3 | 31.4 | 9-26 | 1.0 | 1.0 | 39 |
| DT97-4290 | 37.3 | . | . | 9-26 | 1.0 | 1.0 | 36 |
| FFR 4922RR | 36.6 | . | . | 9-25 | 1.0 | 1.0 | 39 |

| | | | | | | | |
|------------|------|---|---|------|-----|-----|----|
| Grand mean | 43.1 | . | . | 9-27 | 1.0 | 1.1 | 38 |
| LSD (5%) | 6.2 | . | . | 1 | ns | ns | . |
| C.V. (%) | 8.8 | . | . | 1 | . | . | . |

Table 7. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | | |
| Delta King 5366RR | 62.0 | 62.5 | . | 10-10 | 1.0 | 1.0 | 38 |
| Ozark | 60.9 | 60.6 | . | 10-07 | 1.0 | 1.0 | 36 |
| Armor 52-C2 | 59.4 | 57.4 | . | 10-10 | 1.0 | 1.0 | 38 |
| ASGROW AG5301 | 58.2 | 53.6 | . | 10-08 | 1.0 | 1.0 | 37 |
| Md 92-5769 | 57.3 | . | . | 10-03 | 1.0 | 1.0 | 31 |
| ASGROW A5427 | 57.0 | . | . | 10-01 | 1.0 | 1.0 | 31 |
| S99-2447-02RR | 56.3 | . | . | 10-09 | 1.0 | 1.0 | 33 |
| FFR 5542RR | 56.1 | . | . | 10-06 | 1.0 | 1.0 | 35 |
| Armor 53-K3 | 55.7 | 52.8 | . | 10-02 | 1.0 | 1.0 | 34 |
| Morsoy RT5553 | 55.5 | . | . | 10-01 | 1.0 | 1.0 | 45 |
| Delta King XTJ404 | 55.4 | . | . | 10-09 | 1.0 | 1.0 | 44 |
| USG 5002T | 55.3 | . | . | 9-28 | 1.0 | 1.0 | 34 |
| Morsoy RT5252 | 55.0 | . | . | 9-30 | 1.0 | 1.0 | 35 |
| Pioneer Brand 95B43 | 54.8 | 53.0 | . | 10-04 | 1.0 | 1.0 | 42 |
| Dyna Gro SX03152 | 54.1 | . | . | 10-02 | 1.0 | 1.0 | 34 |
| Southern States RT5602 | 53.9 | . | . | 10-04 | 1.0 | 1.0 | 35 |
| Deltapine DP5414RR | 53.5 | 56.1 | . | 10-01 | 1.0 | 1.0 | 45 |
| Dyna Gro 3535NRR | 53.3 | 56.4 | . | 10-08 | 1.0 | 1.0 | 41 |
| R97-1634 | 52.7 | . | . | 10-10 | 1.0 | 1.0 | 33 |
| Delsoy 5500 | 52.6 | 52.6 | . | 10-02 | 1.0 | 1.0 | 36 |
| Progeny 5250RR | 52.4 | 54.8 | . | 10-02 | 1.0 | 1.0 | 35 |
| V96-0340 | 52.3 | . | . | 9-30 | 1.0 | 1.0 | 33 |
| Delta Grow 5460RR | 52.0 | . | . | 10-05 | 1.0 | 1.0 | 35 |
| Hutcheson | 51.5 | 55.9 | . | 10-10 | 1.0 | 1.0 | 38 |
| ASGROW AG5501 | 51.4 | 55.2 | . | 10-03 | 1.0 | 1.0 | 35 |
| Dyna Gro 3518NRR | 51.4 | 53.3 | . | 9-28 | 1.0 | 1.0 | 39 |
| Croplan Genetics RC5555 | 51.2 | . | . | 10-04 | 1.0 | 1.0 | 45 |
| USG 7553nRR | 51.0 | . | . | 10-05 | 1.0 | 1.0 | 39 |
| Terral TV52R42 | 50.7 | 55.0 | . | 9-27 | 1.0 | 1.0 | 40 |
| Delta King XTJ452 | 50.7 | . | . | 10-02 | 1.0 | 1.0 | 33 |
| Terral TV52R301 | 50.6 | . | . | 9-29 | 1.0 | 1.0 | 32 |
| FFR 5225RR | 50.4 | 48.9 | . | 9-29 | 1.0 | 1.0 | 40 |
| Pioneer Brand 95B32 | 50.1 | 51.9 | . | 10-02 | 1.0 | 1.0 | 30 |
| NK Brand S50-N3 | 50.0 | . | . | 9-29 | 1.0 | 1.0 | 39 |
| Croplan Genetics RC5332 | 49.9 | 49.8 | . | 9-28 | 1.0 | 1.0 | 39 |
| USG 540NRR | 49.6 | 47.7 | . | 9-29 | 1.0 | 1.0 | 35 |
| Golden Harvest 5492RR | 49.6 | 52.1 | . | 10-04 | 1.0 | 1.0 | 33 |
| Delta King 5561RR | 48.6 | 51.2 | . | 10-02 | 1.0 | 1.0 | 36 |
| R95-1705 | 48.5 | 50.7 | . | 10-09 | 1.0 | 1.0 | 33 |
| Pioneer Brand 95B42 | 48.4 | 49.0 | . | 9-30 | 1.0 | 1.0 | 29 |
| HBK R5123 | 48.4 | . | . | 10-02 | 1.0 | 1.0 | 38 |
| Anand | 48.3 | 53.4 | . | 9-29 | 1.0 | 1.0 | 30 |
| PGY 5503RR | 48.0 | . | . | 10-05 | 1.0 | 1.0 | 38 |
| ES XVT-19RR | 47.9 | . | . | 10-05 | 1.0 | 1.0 | 38 |

Table 7. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 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> | | | | | | | |
| Progeny 5415RR | 47.8 | . | . | 10-04 | 1.0 | 1.0 | 38 |
| Southern States RT557N | 47.7 | 52.2 | . | 10-02 | 1.0 | 1.0 | 40 |
| NK Brand S52-U3 | 47.3 | 51.9 | . | 10-02 | 1.0 | 1.0 | 33 |
| USG 7524nRR | 47.3 | . | . | 10-02 | 1.0 | 1.0 | 40 |
| MPV 5504nRR | 46.9 | . | . | 10-05 | 1.0 | 1.0 | 35 |
| Armor 52-Q2 | 46.5 | . | . | 10-02 | 1.0 | 1.0 | 37 |
| MPV 5502NRR | 46.1 | 48.5 | . | 10-10 | 1.0 | 1.0 | 32 |
| Terral TV54R11 | 45.7 | 47.3 | . | 10-01 | 1.0 | 1.0 | 34 |
| DEKALB DKB53-51 | 45.6 | . | . | 10-03 | 1.0 | 1.0 | 31 |
| Delta King 5465RR | 45.4 | 47.7 | . | 10-02 | 1.0 | 1.0 | 34 |
| Morsoy RT5440 | 45.0 | 49.4 | . | 10-01 | 1.0 | 1.0 | 33 |
| 99VPI-67 | 44.9 | 47.7 | . | 10-03 | 1.0 | 1.0 | 35 |
| Delta King XTJ405 | 44.8 | . | . | 10-04 | 1.0 | 1.0 | 34 |
| Delta Grow 5260RR | 44.7 | . | . | 10-03 | 1.0 | 1.0 | 38 |
| MPV 5302NRR | 44.3 | 47.9 | . | 10-09 | 1.0 | 1.0 | 32 |
| HBK R5422 | 43.4 | . | . | 9-30 | 1.0 | 1.0 | 41 |
| Southern States RT5302N | 43.0 | 46.8 | . | 9-27 | 1.0 | 1.0 | 39 |
| Delta Grow 5250RR | 42.3 | 45.1 | . | 10-01 | 1.0 | 1.0 | 36 |
| Dyna Gro 3521NRR | 42.2 | 44.1 | . | 10-04 | 1.0 | 1.0 | 36 |
| Grand mean | 50.5 | . | . | 10-03 | 1.0 | 1.0 | 36 |
| LSD (5%) | 11.0 | . | . | ns | ns | ns | . |
| C.V. (%) | 13.7 | . | . | . | . | . | . |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | | | | | | |
| R98-209 | 60.0 | . | . | 10-13 | 1.0 | 1.0 | 41 |
| Terral TVX62R001 | 58.4 | 54.0 | . | 10-12 | 1.0 | 1.0 | 39 |
| Terral TVX59R301 | 56.3 | . | . | 10-11 | 1.0 | 1.0 | 35 |
| Garst 6112RR/N | 56.2 | . | . | 10-12 | 1.0 | 1.0 | 43 |
| Deltapine DP5806RR | 54.5 | 49.5 | 39.1 | 10-12 | 1.0 | 1.0 | 40 |
| ASGROW AG5903 | 54.4 | 52.8 | . | 10-11 | 1.0 | 1.0 | 40 |
| Pioneer Brand 9594 | 53.9 | 51.9 | 43.0 | 10-14 | 1.0 | 1.0 | 41 |
| Terral TV56R11 | 52.8 | 48.0 | . | 10-15 | 1.0 | 1.0 | 38 |
| Terral TVX58R1V2 | 52.6 | . | . | 10-09 | 1.0 | 1.0 | 45 |
| USG 7562nRR | 52.3 | . | . | 10-12 | 1.0 | 1.0 | 39 |
| AGSE 587RR | 52.0 | . | . | 10-10 | 2.0 | 1.0 | 52 |
| Morsoy RT5903 | 52.0 | . | . | 10-09 | 1.0 | 1.0 | 39 |
| Armor 58-V8 | 52.0 | . | . | 10-09 | 1.0 | 1.0 | 35 |
| Pioneer Brand 95B96 | 51.5 | 50.1 | 41.3 | 10-10 | 1.0 | 1.0 | 39 |
| Croplan Genetics RC5972 | 51.3 | . | . | 10-11 | 1.0 | 1.0 | 36 |
| Delta Grow 5960RR | 51.2 | 48.4 | . | 10-12 | 1.0 | 1.0 | 39 |
| Delta King 5967RR | 51.2 | 48.3 | . | 10-11 | 1.0 | 1.0 | 36 |
| Progeny 5600 | 50.9 | 48.6 | . | 10-05 | 1.0 | 2.0 | 39 |

Table 7. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| Pioneer Brand 95B97 | 50.9 | 49.7 | 40.1 | 10-09 | 1.0 | 1.0 | 34 |
| ES XVT-41RR | 50.9 | . | . | 10-19 | 1.0 | 1.0 | 42 |
| Progeny 5822RR | 50.8 | 48.2 | . | 10-11 | 1.0 | 1.0 | 36 |
| Garst 5812RR/N | 50.3 | . | . | 10-10 | 1.0 | 2.0 | 44 |
| Terral TVX58R2W1 | 49.9 | . | . | 10-09 | 1.0 | 2.0 | 41 |
| Terral TVX59R201 | 49.8 | . | . | 10-10 | 1.0 | 1.0 | 40 |
| Delta Grow 5630RR | 49.7 | 48.5 | . | 10-12 | 1.0 | 2.0 | 40 |
| Delta King XTJ4R58 | 49.7 | . | . | 10-10 | 1.0 | 1.0 | 54 |
| Delta King XTJ407 | 49.7 | . | . | 10-12 | 1.0 | 1.0 | 37 |
| Delta King 5767RR | 49.5 | 46.2 | . | 10-07 | 2.0 | 1.0 | 39 |
| USG 7582nRR | 49.5 | 48.6 | . | 10-11 | 1.0 | 1.0 | 37 |
| Progeny 5660RR | 49.3 | 47.6 | . | 10-12 | 1.0 | 1.0 | 40 |
| Deltapine DP5915RR | 49.2 | 47.2 | 39.2 | 10-11 | 1.0 | 1.0 | 38 |
| Deltapine DP5634RR | 49.2 | . | . | 10-06 | 1.0 | 1.0 | 40 |
| Armor 56-C4 | 49.0 | 50.0 | . | 10-08 | 1.0 | 1.0 | 34 |
| HBK 5991 | 48.8 | 50.9 | 41.8 | 10-06 | 1.0 | 1.0 | 36 |
| USG 5601T | 48.8 | 50.1 | . | 10-10 | 1.0 | 1.0 | 38 |
| Delta King XTJ457 | 48.8 | . | . | 10-09 | 2.0 | 1.0 | 41 |
| Dyna Gro 33B52 | 48.7 | . | . | 10-06 | 1.0 | 1.0 | 33 |
| 99VPI-120 | 48.4 | 47.8 | . | 10-08 | 1.0 | 1.0 | 35 |
| Delta King 5995 | 48.3 | 48.5 | 38.5 | 10-06 | 1.0 | 1.0 | 35 |
| NK Brand S57-P1 | 48.2 | . | . | 10-05 | 1.0 | 1.0 | 38 |
| Terral TVX56R3K1 | 48.2 | . | . | 10-05 | 1.0 | 1.0 | 40 |
| Terral TV59R98 | 48.1 | 50.6 | 40.6 | 10-12 | 1.0 | 1.0 | 39 |
| HBK 5592 | 48.0 | . | . | 10-07 | 1.0 | 1.0 | 38 |
| Dyna Gro SX03157 | 48.0 | . | . | 10-05 | 1.0 | 1.0 | 37 |
| Morsoy RT5620 | 47.9 | 46.9 | . | 10-09 | 1.0 | 1.0 | 37 |
| ASGROW AG5701 | 47.8 | 45.7 | 35.3 | 10-09 | 1.0 | 1.0 | 39 |
| Terral TV58R11 | 47.6 | 49.5 | 39.9 | 10-11 | 1.0 | 1.0 | 34 |
| Armor 56-J6 | 47.5 | 45.9 | . | 10-12 | 1.0 | 1.0 | 40 |
| Dyna Gro 3583NRR | 47.5 | 49.3 | . | 10-11 | 1.0 | 2.0 | 40 |
| HBK R6020 | 47.4 | 44.7 | . | 10-12 | 1.0 | 1.0 | 38 |
| ASGROW AG5605 | 47.4 | . | . | 10-06 | 1.0 | 1.0 | 34 |
| ES XVT-46RR | 47.1 | . | . | 10-12 | 1.0 | 1.0 | 42 |
| Delta King 5668RR | 47.0 | 46.0 | . | 10-09 | 1.0 | 1.0 | 40 |
| Delta King XTJ406 | 46.8 | . | . | 10-08 | 1.0 | 2.0 | 36 |
| Dyna Gro 3562NRR | 46.7 | 47.7 | . | 10-09 | 1.0 | 1.0 | 35 |
| HBK R5620 | 46.7 | 46.7 | . | 10-09 | 1.0 | 1.0 | 38 |
| Terral TVX57R2M1 | 46.6 | . | . | 10-04 | 1.0 | 1.0 | 42 |
| Dyna Gro 38K57 | 46.6 | . | . | 10-09 | 1.0 | 2.0 | 36 |
| USG 570NRR | 46.5 | 45.2 | 35.9 | 10-12 | 1.0 | 1.0 | 39 |
| DEKALB DKB57-51 | 46.5 | . | . | 10-07 | 1.0 | 2.0 | 40 |
| FFR 5702RR | 46.5 | . | . | 10-06 | 1.0 | 1.0 | 39 |
| Armor AXR5881 | 46.5 | . | . | 10-06 | 1.0 | 1.0 | 37 |

Table 7. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| Morsoy RT5773 | 46.2 | . | . | 10-08 | 1.0 | 1.0 | 38 |
| Delta King 5661RR | 45.6 | 43.6 | . | 10-08 | 1.0 | 1.0 | 41 |
| Caviness | 45.2 | 42.6 | . | 10-05 | 1.0 | 2.0 | 34 |
| Freedom | 44.8 | 44.5 | . | 10-11 | 1.0 | 1.0 | 31 |
| Terral TVX57R301 | 44.3 | . | . | 10-07 | 1.0 | 1.0 | 43 |
| HBK R5823 | 44.0 | . | . | 10-09 | 1.0 | 1.0 | 39 |
| USG 7563nRR | 43.5 | . | . | 10-06 | 1.0 | 1.0 | 40 |
| Delta Grow 5650RR | 43.2 | . | . | 10-08 | 2.0 | 1.0 | 39 |
| Terral TVX56R1B2 | 43.2 | . | . | 10-04 | 1.0 | 1.0 | 40 |
| PGY 5703RR | 42.4 | . | . | 10-07 | 2.0 | 1.0 | 39 |
| R00-53F | 38.4 | . | . | 10-08 | 1.0 | 2.0 | 35 |
| Grand mean | 48.9 | . | . | 10-09 | 1.1 | 1.1 | 39 |
| LSD (5%) | 6.6 | . | . | 1 | ns | ns | . |
| C.V. (%) | 8.4 | . | . | . | . | . | . |

¹ There were no data reported for MGV Early tests in 2000 and 2001, therefore 3-year averages are not available.

Soil Series..... Sharkey clay
 Previous Crop..... Grain Sorghum
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-27-03
 Herbicide Application..... 1.25 pts./A Dual + 0.75 lb./A Sencor, 5-30-03, 1.25 pts./A Flexstar + 10 oz./A Select, 6-23-03
 1.25 pts./A Flexstar + 10 oz./A Select, 7-07-03
 Harvest Dates..... MG4 Early: 09-29-03
 MG4 Late: 10-01-03
 MG5 Early: 10-13-03
 MG5 Late: 10-15-03

Precipitation (inches)

| | April | May | June | July | August | Septemb er | October | Total |
|-----------|-------|------|------|------|--------|---------------|---------|-------|
| 2003 | 2.2 | 11.4 | 3.3 | 5.8 | 0.7 | 3.5 | 5.2 | 32.1 |
| Average | 5.0 | 5.2 | 4.0 | 3.7 | 2.9 | 3.9 | 3.0 | 27.8 |
| Departure | -2.8 | +6.2 | -0.7 | +2.1 | -2.2 | -0.4 | +2.2 | +4.3 |

Table 8. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| Delta King XTJ447 | 66.6 | . | . | 9-20 | 1.7 | 1.0 | 33 |
| ASGROW AG4201 | 64.6 | 60.6 | . | 9-15 | 2.0 | 1.0 | 31 |
| ASGROW AG4603 | 64.4 | 59.8 | . | 9-18 | 1.0 | 1.0 | 35 |
| Armor 47-G7 | 63.2 | 59.2 | 61.1 | 9-17 | 1.7 | 1.0 | 32 |
| Deltapine 4748S | 62.7 | 60.3 | 59.2 | 9-22 | 2.7 | 1.7 | 42 |
| Dyna Gro 3443NRR | 62.4 | 56.8 | 58.2 | 9-20 | 1.0 | 1.3 | 40 |
| Deltapine DP4724RR | 62.4 | . | . | 9-19 | 1.3 | 1.0 | 33 |
| Delta King XTJ402 | 62.1 | . | . | 9-18 | 1.3 | 1.0 | 33 |
| DEKALB DKB44-51 | 61.9 | . | . | 9-18 | 1.0 | 1.3 | 37 |
| Deltapine DP 4690RR | 61.2 | 56.0 | . | 9-22 | 1.7 | 1.3 | 39 |
| Delta King XTJ401 | 61.2 | . | . | 9-19 | 1.0 | 1.3 | 38 |
| Armor 44-R4 | 60.5 | 56.1 | 58.2 | 9-17 | 1.0 | 1.7 | 37 |
| Delta King 4461RR | 60.4 | 58.0 | 58.4 | 9-21 | 1.0 | 1.0 | 39 |
| Golden Harvest 4772RR | 60.4 | 57.6 | . | 9-18 | 1.0 | 1.0 | 29 |
| Golden Harvest 4534RR | 60.2 | 57.3 | . | 9-16 | 1.0 | 1.0 | 37 |
| Delta King 4763RR | 59.9 | 57.3 | 59.6 | 9-18 | 2.0 | 1.0 | 36 |
| DEKALB DKB46-51 | 59.7 | . | . | 9-17 | 1.7 | 1.0 | 33 |
| Southern States RT4502N | 59.4 | 55.0 | . | 9-17 | 1.0 | 1.3 | 40 |
| ASGROW AG4502 | 59.0 | . | . | 9-14 | 1.0 | 1.0 | 29 |
| HBK 4891 | 58.2 | 53.8 | 53.3 | 9-21 | 1.7 | 1.3 | 37 |
| Deltapine DP4331RR | 58.2 | . | . | 9-17 | 1.3 | 1.3 | 38 |
| NK Brand S43-B1 | 57.7 | . | . | 9-16 | 2.3 | 1.0 | 34 |
| Garst 4512RR/N | 56.5 | 55.0 | . | 9-16 | 1.0 | 1.0 | 37 |
| Armor 44-R5 | 56.2 | . | . | 9-16 | 1.7 | 1.3 | 32 |
| Pioneer 94M70 | 55.3 | . | . | 9-13 | 3.0 | 1.0 | 38 |
| Terral TV4890 RR | 54.3 | 54.1 | 53.7 | 9-14 | 2.3 | 1.0 | 40 |
| Dyna Gro 3463NRR | 53.7 | . | . | 9-15 | 2.3 | 1.0 | 34 |
| PGY 3900RR | 53.7 | . | . | 9-13 | 2.7 | 1.0 | 32 |
| Progeny 4401RR | 53.5 | 53.0 | . | 9-20 | 1.0 | 1.3 | 38 |
| DT98-7278 | 53.5 | . | . | 9-24 | 1.0 | 1.0 | 18 |
| ASGROW AG4403 | 53.3 | 53.8 | 55.6 | 9-18 | 1.3 | 1.3 | 32 |
| Terral TVX47R2P1 | 53.0 | . | . | 9-22 | 1.3 | 1.3 | 42 |
| Deltapine DPX4446RR | 52.6 | . | . | 9-18 | 2.3 | 1.0 | 39 |
| Pioneer 94B73 | 52.3 | 53.4 | . | 9-17 | 1.3 | 1.0 | 37 |
| Delta King XTJ446 | 52.1 | . | . | 9-18 | 2.0 | 1.0 | 40 |
| USG 7440nRR | 52.0 | . | . | 9-20 | 1.3 | 1.3 | 36 |
| Morsoy RT4480 | 49.6 | 50.8 | . | 9-19 | 1.7 | 1.7 | 38 |
| Terral TV4589RR | 49.1 | 51.4 | 52.2 | 9-15 | 2.7 | 1.0 | 33 |
| DEKALB DKB44-52 | 48.6 | . | . | 9-15 | 2.0 | 1.7 | 38 |
| Terral TVX47R1K2 | 48.4 | . | . | 9-22 | 1.7 | 1.7 | 42 |
| Grand mean | 57.4 | . | . | 9-18 | 1.6 | 1.2 | 36 |
| LSD (5%) | 8.1 | . | . | 3 | 0.8 | 0.6 | . |
| C.V. (%) | 8.7 | . | . | 2 | 30.6 | 31.0 | . |

Table 8. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | | |
| Progeny 4910 | 60.2 | 52.4 | 50.0 | 9-25 | 2.0 | 1.0 | 42 |
| Armor 49-P9 | 60.0 | . | . | 9-17 | 2.0 | 1.0 | 37 |
| Garst D484RR/N | 58.2 | 54.1 | . | 9-22 | 1.3 | 1.0 | 37 |
| Delta Grow 4860RR | 57.5 | 55.9 | . | 9-17 | 1.7 | 1.0 | 30 |
| Delta Grow 4960RR | 57.2 | . | . | 9-24 | 1.0 | 1.0 | 31 |
| Dyna Gro 3481NRR | 57.0 | . | . | 9-16 | 1.3 | 1.0 | 35 |
| Progeny 4884RR | 56.7 | . | . | 9-18 | 1.3 | 1.0 | 31 |
| Southern States RT4930 | 56.2 | . | . | 9-24 | 1.0 | 1.3 | 32 |
| USG 7499nRR | 55.8 | 52.9 | . | 9-23 | 2.0 | 1.0 | 41 |
| Delta King XTJ403 | 55.7 | . | . | 9-18 | 1.3 | 1.0 | 35 |
| Southern States RT5001N | 55.0 | 51.0 | 48.3 | 9-27 | 1.7 | 1.0 | 35 |
| Dyna Gro SX03149 | 54.5 | . | . | 9-18 | 2.3 | 1.0 | 35 |
| USG 7482nRR | 54.3 | . | . | 9-18 | 1.3 | 1.0 | 35 |
| Deltapine DP4933RR | 54.0 | . | . | 9-23 | 2.0 | 1.0 | 40 |
| HBK R4922 | 53.8 | 52.3 | . | 9-25 | 1.3 | 1.0 | 42 |
| R98-1817 | 53.8 | 50.9 | . | 9-28 | 1.0 | 1.0 | 28 |
| Delta King 4967RR | 53.5 | 54.8 | . | 9-17 | 1.7 | 1.0 | 33 |
| Morsoy RT4802 | 53.3 | 53.1 | . | 9-18 | 1.7 | 1.0 | 34 |
| Morsoy RT4993 | 53.3 | . | . | 9-17 | 2.3 | 1.0 | 35 |
| NK Brand S49-Q9 | 52.8 | 51.5 | . | 9-25 | 1.0 | 1.0 | 40 |
| PGY 4860RR | 52.3 | . | . | 9-26 | 1.3 | 1.3 | 29 |
| Progeny 4932RR | 52.0 | 51.3 | . | 9-24 | 1.0 | 1.0 | 42 |
| Delta King XTJ448 | 51.6 | . | . | 9-21 | 2.0 | 1.0 | 45 |
| Delta King 4868RR | 51.5 | 50.0 | 51.6 | 9-19 | 1.3 | 1.0 | 37 |
| Morsoy RT4809 | 50.8 | 51.0 | 52.3 | 9-19 | 1.7 | 1.0 | 35 |
| Delta King XTJ450 | 50.8 | . | . | 9-26 | 1.0 | 1.0 | 27 |
| Southern States RT4902N | 50.3 | 50.2 | . | 9-24 | 1.0 | 1.0 | 38 |
| HBK 4944CX | 50.1 | 49.5 | . | 9-20 | 2.7 | 3.3 | 48 |
| PGY 4949RR | 49.6 | . | . | 9-27 | 1.3 | 1.0 | 39 |
| HBK R4920 | 48.4 | 47.5 | 47.5 | 9-24 | 1.3 | 1.7 | 38 |
| DT97-4290 | 48.3 | . | . | 9-25 | 1.3 | 1.0 | 41 |
| ASGROW AG4902 | 47.6 | 53.0 | 51.2 | 9-18 | 2.0 | 1.0 | 38 |
| HBK R4820 | 47.6 | 48.1 | . | 9-20 | 1.0 | 1.0 | 35 |
| FFR 4922RR | 47.6 | . | . | 9-22 | 1.0 | 1.0 | 39 |
| USG 7489RR | 47.4 | 46.6 | 47.7 | 9-24 | 1.0 | 2.0 | 39 |
| MPV 4904nRR | 46.6 | . | . | 9-23 | 2.0 | 1.0 | 36 |
| Terral TVX48R1U1 | 46.4 | . | . | 9-20 | 1.3 | 1.0 | 42 |
| Manokin | 46.1 | 40.1 | 42.7 | 9-27 | 1.3 | 1.0 | 30 |
| Southern States RT4980 | 45.9 | 44.5 | 44.9 | 9-24 | 1.0 | 1.0 | 36 |
| Southern States RT517N | 45.9 | 44.4 | 42.0 | 9-23 | 1.0 | 1.3 | 28 |
| Terral TV4886RR | 45.7 | 47.2 | 46.7 | 9-18 | 1.7 | 1.0 | 40 |
| Terral TVX49R1L2 | 43.4 | . | . | 9-25 | 1.3 | 1.0 | 46 |
| Terral TVX49R2Y4 | 43.4 | . | . | 9-25 | 1.7 | 1.0 | 48 |
| Terral TVX49R2Z1 | 42.2 | . | . | 9-24 | 1.7 | 1.0 | 44 |
| DT98-9102 | 38.0 | . | . | 9-23 | 1.0 | 1.0 | 25 |

| | | | | | | | |
|------------|------|---|---|------|------|------|----|
| Grand mean | 51.2 | . | . | 9-22 | 1.5 | 1.1 | 37 |
| LSD (5%) | 5.7 | . | . | 2 | 0.7 | 0.3 | . |
| C.V. (%) | 6.8 | . | . | 1 | 29.2 | 17.2 | . |

Table 8. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | | |
| Anand | 65.1 | 59.7 | 57.5 | 10-01 | 1.0 | 1.7 | 26 |
| Croplan Genetics RC5555 | 60.9 | . | . | 9-29 | 1.7 | 1.3 | 37 |
| Golden Harvest 5492RR | 60.4 | 55.7 | . | 9-29 | 1.0 | 1.0 | 29 |
| Delta Grow 5260RR | 59.4 | . | . | 9-26 | 2.0 | 1.7 | 33 |
| USG 7553nRR | 59.2 | . | . | 9-30 | 1.3 | 1.3 | 37 |
| Armor 53-K3 | 59.0 | 53.5 | 52.1 | 9-29 | 1.0 | 1.3 | 31 |
| ASGROW A5427 | 58.5 | . | . | 9-30 | 1.0 | 1.0 | 24 |
| Terral TV52R301 | 58.0 | . | . | 9-28 | 1.3 | 1.0 | 28 |
| Morsoy RT5440 | 57.9 | 51.3 | 48.0 | 10-02 | 1.0 | 1.0 | 29 |
| HBK R5422 | 57.9 | . | . | 9-29 | 1.3 | 2.0 | 37 |
| Ozark | 56.5 | 51.9 | 51.9 | 9-29 | 1.3 | 1.0 | 34 |
| Delta King 5366RR | 56.3 | 53.2 | 53.9 | 9-29 | 2.3 | 1.0 | 34 |
| Delta King XTJ405 | 56.2 | . | . | 9-27 | 1.3 | 1.0 | 34 |
| ASGROW AG5501 | 56.0 | 54.3 | 52.0 | 10-01 | 1.3 | 2.7 | 33 |
| ASGROW AG5301 | 56.0 | 56.9 | . | 9-27 | 1.3 | 2.3 | 34 |
| Morsoy RT5252 | 56.0 | . | . | 9-27 | 1.0 | 1.0 | 32 |
| PGY 5503RR | 56.0 | . | . | 10-01 | 1.0 | 1.0 | 33 |
| DEKALB DKB53-51 | 55.8 | . | . | 9-27 | 2.3 | 1.7 | 32 |
| Dyna Gro 3521NRR | 55.7 | 52.1 | 50.5 | 9-29 | 1.0 | 1.7 | 28 |
| Terral TV54R11 | 55.5 | 51.1 | 48.5 | 10-01 | 1.0 | 1.0 | 32 |
| Progeny 5250RR | 55.5 | 49.6 | . | 9-27 | 1.0 | 1.0 | 31 |
| V96-0340 | 55.5 | . | . | 9-29 | 1.0 | 2.3 | 32 |
| USG 540NRR | 55.3 | 52.0 | 45.3 | 10-01 | 1.0 | 1.0 | 35 |
| Delta Grow 5460RR | 55.3 | . | . | 10-01 | 1.3 | 1.0 | 35 |
| Dyna Gro 3518NRR | 55.3 | 47.1 | 46.0 | 9-26 | 1.0 | 2.7 | 34 |
| Deltapine DP5414RR | 55.0 | 51.9 | 50.5 | 9-30 | 2.3 | 2.0 | 37 |
| FFR 5542RR | 55.0 | . | . | 9-29 | 1.7 | 2.7 | 32 |
| Morsoy RT5553 | 54.8 | . | . | 10-01 | 2.0 | 1.3 | 42 |
| R97-1634 | 54.7 | . | . | 10-05 | 1.0 | 1.0 | 28 |
| Terral TV52R42 | 54.5 | 54.5 | 51.2 | 9-25 | 1.0 | 2.0 | 32 |
| Progeny 5415RR | 54.5 | . | . | 10-02 | 1.0 | 1.0 | 35 |
| Southern States RT5302N | 54.3 | 50.6 | . | 9-29 | 1.7 | 2.3 | 38 |
| USG 5002T | 53.8 | . | . | 9-30 | 1.7 | 2.0 | 27 |
| Delta King XTJ404 | 53.8 | . | . | 9-30 | 2.3 | 1.7 | 32 |
| Dyna Gro SX03152 | 53.8 | . | . | 9-28 | 1.0 | 1.0 | 28 |
| Hutcheson | 53.5 | 48.6 | 48.4 | 10-02 | 1.0 | 1.3 | 28 |
| Delta King 5465RR | 53.5 | 50.7 | 48.1 | 10-01 | 1.0 | 1.0 | 27 |
| ES XVT-19RR | 53.5 | . | . | 10-05 | 1.7 | 1.0 | 36 |
| Delsoy 5500 | 53.3 | 54.1 | 51.7 | 9-28 | 1.0 | 1.0 | 25 |
| Dyna Gro 3535NRR | 53.3 | 52.4 | 53.6 | 10-01 | 1.7 | 1.0 | 34 |
| FFR 5225RR | 53.3 | 50.5 | . | 9-28 | 1.0 | 2.3 | 35 |
| Delta King 5561RR | 53.3 | 46.7 | . | 9-28 | 1.0 | 1.0 | 33 |
| Armor 52-C2 | 53.0 | 55.4 | 53.9 | 9-30 | 2.0 | 1.3 | 36 |
| MPV 5302NRR | 52.8 | 50.2 | . | 9-29 | 1.0 | 1.0 | 27 |

Table 8. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 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> | | | | | | | |
| Southern States RT5602 | 52.8 | . | . | 9-28 | 1.0 | 3.0 | 29 |
| Pioneer Brand 95B42 | 52.0 | 48.9 | . | 9-29 | 1.0 | 1.3 | 33 |
| NK Brand S50-N3 | 52.0 | . | . | 9-28 | 2.7 | 1.3 | 45 |
| USG 7524nRR | 51.6 | . | . | 9-26 | 3.0 | 1.3 | 46 |
| Delta Grow 5250RR | 51.3 | 50.0 | 50.3 | 9-29 | 1.0 | 2.0 | 28 |
| MPV 5502NRR | 51.3 | 48.2 | . | 10-01 | 1.0 | 1.0 | 33 |
| MPV 5504nRR | 51.3 | . | . | 9-30 | 1.0 | 1.0 | 31 |
| Croplan Genetics RC5332 | 51.0 | 47.7 | . | 9-30 | 1.3 | 2.0 | 29 |
| Pioneer Brand 95B43 | 50.8 | 50.2 | . | 9-28 | 1.7 | 2.0 | 36 |
| Southern States RT557N | 50.5 | 45.9 | 45.0 | 9-29 | 1.3 | 1.3 | 35 |
| HBK R5123 | 48.8 | . | . | 9-28 | 2.0 | 1.7 | 46 |
| Pioneer Brand 95B32 | 48.6 | 48.4 | 48.2 | 9-26 | 1.0 | 1.3 | 27 |
| 99VPI-67 | 48.6 | 45.3 | . | 9-29 | 1.0 | 2.0 | 32 |
| R95-1705 | 48.4 | 44.3 | . | 9-30 | 1.0 | 1.0 | 28 |
| NK Brand S52-U3 | 47.4 | 50.5 | . | 9-27 | 1.0 | 2.0 | 29 |
| S99-2447-02RR | 47.1 | . | . | 9-30 | 1.0 | 1.0 | 28 |
| Delta King XTJ452 | 47.1 | . | . | 9-25 | 2.7 | 1.3 | 35 |
| Md 92-5769 | 46.1 | . | . | 9-28 | 1.0 | 1.3 | 23 |
| Armor 52-Q2 | 46.1 | . | . | 9-24 | 2.3 | 1.0 | 32 |
| Grand mean | 54.0 | . | . | 9-29 | 1.4 | 1.5 | 32 |
| LSD (5%) | 4.8 | . | . | 2 | 0.6 | 0.6 | . |
| C.V. (%) | 5.6 | . | . | 1 | 28.1 | 25.0 | . |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | | | | | | |
| DEKALB DKB57-51 | 62.6 | . | . | 9-30 | 1.7 | 1.7 | 35 |
| Armor 56-C4 | 61.9 | 56.2 | . | 10-03 | 1.0 | 1.0 | 34 |
| USG 7562nRR | 60.7 | . | . | 10-03 | 1.0 | 1.0 | 41 |
| ASGROW AG5605 | 60.0 | . | . | 10-02 | 1.0 | 1.0 | 32 |
| Armor 58-V8 | 58.7 | . | . | 10-05 | 1.3 | 1.3 | 36 |
| Delta King 5995 | 58.5 | 54.0 | 54.5 | 10-04 | 1.0 | 1.0 | 32 |
| USG 5601T | 58.5 | 56.6 | . | 9-30 | 1.3 | 1.0 | 34 |
| Dyna Gro 3583NRR | 58.5 | 56.1 | . | 10-04 | 1.0 | 1.0 | 38 |
| Delta King 5967RR | 58.5 | 56.1 | . | 10-04 | 1.3 | 1.3 | 38 |
| ASGROW AG5701 | 58.2 | 54.3 | 51.9 | 10-04 | 2.0 | 1.0 | 36 |
| Delta King 5668RR | 58.2 | 55.6 | 55.7 | 10-01 | 1.3 | 1.7 | 33 |
| USG 7582nRR | 58.2 | 54.8 | . | 10-03 | 1.7 | 1.0 | 41 |
| USG 7563nRR | 58.2 | . | . | 10-01 | 1.7 | 1.3 | 40 |
| Dyna Gro 38K57 | 58.2 | . | . | 10-01 | 2.0 | 1.7 | 40 |
| Terral TVX59R301 | 57.7 | . | . | 10-05 | 2.0 | 2.0 | 38 |
| Croplan Genetics RC5972 | 57.5 | . | . | 10-04 | 1.3 | 1.0 | 36 |
| Delta King XTJ406 | 57.5 | . | . | 9-30 | 2.7 | 2.0 | 39 |
| Terral TVX57R301 | 57.2 | . | . | 10-01 | 1.7 | 1.3 | 41 |

Table 8. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| Delta Grow 5960RR | 57.0 | 56.0 | . | 10-04 | 1.0 | 1.0 | 36 |
| Morsoy RT5773 | 57.0 | . | . | 10-02 | 1.3 | 2.0 | 36 |
| Deltapine DP5915RR | 56.8 | 55.2 | 53.6 | 10-04 | 1.7 | 1.0 | 39 |
| PGY 5703RR | 56.7 | . | . | 10-02 | 1.7 | 2.0 | 37 |
| Garst 5812RR/N | 56.5 | . | . | 10-03 | 1.3 | 1.7 | 42 |
| Delta King XTJ407 | 56.5 | . | . | 10-04 | 1.3 | 1.3 | 36 |
| Progeny 5660RR | 56.0 | 52.5 | 51.6 | 10-04 | 1.3 | 1.0 | 40 |
| Terral TV56R11 | 55.0 | 52.4 | 49.9 | 10-04 | 1.7 | 1.0 | 39 |
| ASGROW AG5903 | 55.0 | 54.5 | . | 10-04 | 2.0 | 1.0 | 40 |
| Armor 56-J6 | 54.8 | 52.3 | 51.1 | 10-03 | 1.3 | 1.0 | 40 |
| Garst 6112RR/N | 54.8 | . | . | 10-06 | 2.0 | 1.3 | 40 |
| Delta King XTJ457 | 54.8 | . | . | 10-02 | 2.3 | 1.3 | 38 |
| Morsoy RT5620 | 54.5 | 52.7 | 52.5 | 10-02 | 2.0 | 2.0 | 34 |
| Terral TVX62R001 | 54.5 | 51.4 | . | 10-09 | 2.0 | 1.0 | 37 |
| Deltapine DP5634RR | 54.5 | . | . | 9-30 | 1.7 | 1.7 | 33 |
| Progeny 5822RR | 54.1 | 54.8 | . | 10-04 | 1.7 | 1.7 | 36 |
| Delta King 5661RR | 54.0 | 52.4 | 52.5 | 10-03 | 2.0 | 1.3 | 40 |
| Delta Grow 5650RR | 54.0 | . | . | 10-04 | 2.3 | 1.7 | 38 |
| Terral TV58R11 | 53.8 | 49.3 | 46.1 | 10-08 | 1.0 | 1.0 | 39 |
| ES XVT-41RR | 53.8 | . | . | 10-10 | 2.3 | 1.0 | 40 |
| FFR 5702RR | 53.8 | . | . | 9-30 | 1.7 | 2.3 | 43 |
| Delta King XTJ4R58 | 53.8 | . | . | 10-04 | 3.0 | 1.0 | 44 |
| Dyna Gro 3562NRR | 53.5 | 54.4 | 54.2 | 10-01 | 1.3 | 1.7 | 35 |
| R98-209 | 53.5 | . | . | 10-10 | 1.7 | 1.0 | 39 |
| Dyna Gro SX03157 | 53.4 | . | . | 9-30 | 1.0 | 1.7 | 35 |
| Progeny 5600 | 53.3 | 52.2 | 49.4 | 9-30 | 3.3 | 1.7 | 36 |
| Caviness | 53.1 | 51.1 | 49.5 | 9-30 | 1.0 | 2.3 | 30 |
| Delta King 5767RR | 53.0 | 52.0 | . | 10-01 | 2.0 | 2.0 | 35 |
| Delta Grow 5630RR | 52.8 | 47.5 | 46.7 | 10-04 | 2.3 | 1.0 | 41 |
| Pioneer Brand 9594 | 52.3 | 50.1 | 49.0 | 10-03 | 2.3 | 1.3 | 37 |
| HBK 5991 | 52.1 | 51.8 | 52.3 | 10-01 | 1.3 | 1.0 | 34 |
| Pioneer Brand 95B97 | 51.6 | 52.4 | 52.3 | 10-01 | 1.3 | 1.0 | 33 |
| 99VPI-120 | 51.5 | 46.7 | . | 10-01 | 1.0 | 1.3 | 36 |
| R00-53F | 51.3 | . | . | 10-01 | 1.0 | 1.7 | 30 |
| Morsoy RT5903 | 51.1 | . | . | 10-06 | 1.3 | 1.7 | 40 |
| HBK R5620 | 50.8 | 51.2 | 48.9 | 10-04 | 1.7 | 1.0 | 42 |
| Terral TV59R98 | 50.6 | 48.5 | 47.2 | 10-02 | 2.0 | 1.3 | 42 |
| Pioneer Brand 95B96 | 50.5 | 47.9 | 48.9 | 10-04 | 1.3 | 1.0 | 35 |
| USG 570NRR | 50.3 | 46.8 | 47.8 | 10-03 | 1.7 | 1.0 | 37 |
| Dyna Gro 33B52 | 49.8 | . | . | 9-26 | 2.3 | 1.0 | 30 |
| HBK R6020 | 49.4 | 46.0 | . | 10-12 | 1.3 | 1.0 | 47 |
| Deltapine DP5806RR | 49.1 | 46.7 | 45.3 | 10-05 | 2.0 | 1.0 | 43 |
| AGSE 587RR | 49.1 | . | . | 10-03 | 2.7 | 1.0 | 44 |
| NK Brand S57-P1 | 48.4 | . | . | 10-01 | 2.0 | 1.3 | 35 |

Table 9. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station Marianna, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ¹ Avg. | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|-----------------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | |
| ASGROW AG4502 | 51.6 | . | . | 1.3 | 2.0 | 29 |
| DEKALB DKB46-51 | 50.6 | . | . | 1.3 | 1.0 | 35 |
| Pioneer 94M70 | 49.6 | . | . | 1.0 | 1.3 | 37 |
| ASGROW AG4201 | 48.8 | 41.1 | . | 1.3 | 1.3 | 35 |
| Armor 47-G7 | 48.6 | 46.6 | . | 1.7 | 1.0 | 35 |
| Delta King 4763RR | 47.1 | 44.0 | . | 1.7 | 1.0 | 34 |
| Delta King XTJ402 | 47.1 | . | . | 1.0 | 1.0 | 36 |
| Deltapine 4748S | 46.9 | 45.5 | 35.6 | 1.7 | 2.0 | 44 |
| Deltapine DP4724RR | 46.4 | . | . | 1.3 | 1.7 | 33 |
| Pioneer 94B73 | 45.9 | 44.9 | . | 1.0 | 1.0 | 36 |
| HBK 4891 | 45.6 | 39.7 | 31.5 | 1.0 | 3.0 | 36 |
| Delta King XTJ447 | 45.6 | . | . | 1.3 | 1.7 | 34 |
| ASGROW AG4603 | 45.4 | 44.0 | . | 1.0 | 1.0 | 34 |
| Golden Harvest 4534RR | 44.9 | 41.8 | . | 1.0 | 2.0 | 31 |
| Armor 44-R4 | 44.4 | 40.1 | . | 1.0 | 2.3 | 31 |
| Golden Harvest 4772RR | 44.4 | 42.0 | . | 1.0 | 1.0 | 31 |
| Deltapine DP4331RR | 44.4 | . | . | 1.0 | 2.0 | 34 |
| Southern States RT4502N | 43.7 | 40.3 | . | 1.0 | 2.3 | 36 |
| Morsoy RT4480 | 42.9 | 42.1 | . | 1.0 | 2.0 | 31 |
| Terral TV4890 RR | 42.7 | 38.1 | . | 1.3 | 1.0 | 40 |
| DT98-7278 | 42.2 | . | . | 1.0 | 1.0 | 18 |
| NK Brand S43-B1 | 42.2 | . | . | 2.0 | 1.0 | 31 |
| DEKALB DKB44-52 | 42.2 | . | . | 1.7 | 2.3 | 31 |
| Deltapine DP 4690RR | 41.7 | 38.6 | 29.8 | 1.0 | 2.3 | 36 |
| Garst 4512RR/N | 41.7 | 40.5 | . | 1.0 | 2.3 | 31 |
| Armor 44-R5 | 41.4 | . | . | 1.3 | 1.7 | 31 |
| Deltapine DPX4446RR | 41.4 | . | . | 1.7 | 2.3 | 36 |
| USG 7440nRR | 41.4 | . | . | 1.0 | 2.0 | 31 |
| DEKALB DKB44-51 | 40.9 | . | . | 1.3 | 2.0 | 30 |
| Dyna Gro 3463NRR | 40.2 | . | . | 1.3 | 1.3 | 38 |
| Progeny 4401RR | 40.0 | 39.2 | . | 1.0 | 1.7 | 35 |
| PGY 3900RR | 39.7 | . | . | 1.0 | 1.0 | 30 |
| ASGROW AG4403 | 39.4 | 40.4 | 32.4 | 1.0 | 2.0 | 31 |
| Delta King 4461RR | 39.0 | 40.5 | . | 1.0 | 2.0 | 31 |
| Delta King XTJ401 | 39.0 | . | . | 1.0 | 2.0 | 34 |
| Dyna Gro 3443NRR | 38.7 | 38.9 | . | 1.0 | 2.3 | 32 |
| Terral TVX47R2P1 | 38.0 | . | . | 1.0 | 1.3 | 38 |
| Terral TVX47R1K2 | 36.8 | . | . | 1.0 | 1.3 | 35 |
| Terral TV4589RR | 34.0 | 36.1 | 29.1 | 2.0 | 1.3 | 35 |
| Delta King XTJ446 | 34.0 | . | . | 1.0 | 1.3 | 40 |
| Grand mean | 43.0 | . | . | 1.2 | 1.6 | 34 |
| LSD (5%) | 5.1 | . | . | 0.5 | 0.7 | . |
| C.V. (%) | 7.3 | . | . | 27.1 | 24.5 | . |

Table 9. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ¹ Avg. | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|-----------------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | |
| PGY 4860RR | 54.7 | . | . | 1.0 | 1.0 | 30 |
| Southern States RT5001N | 51.8 | 44.8 | 39.1 | 1.0 | 1.0 | 30 |
| Delta King XTJ450 | 49.6 | . | . | 1.0 | 1.3 | 27 |
| NK Brand S49-Q9 | 49.6 | 41.6 | . | 1.0 | 1.0 | 34 |
| Dyna Gro 3481NRR | 48.6 | . | . | 1.0 | 2.0 | 31 |
| Delta Grow 4960RR | 48.3 | . | . | 1.0 | 1.0 | 23 |
| R98-1817 | 48.1 | 42.9 | . | 1.0 | 1.0 | 24 |
| Southern States RT4930 | 48.1 | . | . | 1.0 | 1.3 | 27 |
| Delta King 4967RR | 47.1 | 42.5 | . | 1.0 | 1.0 | 32 |
| Garst D484RR/N | 46.4 | 41.9 | . | 1.0 | 1.7 | 34 |
| Manokin | 46.1 | 37.3 | 32.8 | 1.0 | 1.0 | 26 |
| ASGROW AG4902 | 45.9 | 39.4 | 34.2 | 1.0 | 2.3 | 31 |
| Delta Grow 4860RR | 45.9 | 40.7 | . | 1.0 | 2.3 | 32 |
| Progeny 4910 | 45.7 | 39.3 | 35.4 | 1.7 | 1.3 | 42 |
| USG 7499nRR | 45.6 | 39.6 | . | 1.0 | 1.7 | 36 |
| Dyna Gro SX03149 | 45.4 | . | . | 1.3 | 1.0 | 33 |
| Southern States RT517N | 44.9 | 40.5 | 35.0 | 1.0 | 2.0 | 28 |
| HBK R4922 | 44.9 | 41.8 | . | 1.0 | 1.0 | 36 |
| PGY 4949RR | 44.4 | . | . | 1.0 | 1.3 | 34 |
| Progeny 4932RR | 44.2 | 40.5 | . | 1.0 | 1.0 | 37 |
| Delta King XTJ403 | 43.7 | . | . | 1.0 | 1.7 | 30 |
| Morsoy RT4802 | 43.4 | 38.1 | . | 1.0 | 2.0 | 29 |
| Armor 49-P9 | 43.4 | . | . | 1.0 | 1.3 | 32 |
| Delta King 4868RR | 42.9 | 39.8 | 35.5 | 1.0 | 1.0 | 33 |
| Morsoy RT4809 | 42.7 | 39.2 | 34.9 | 1.0 | 1.0 | 32 |
| HBK R4920 | 42.7 | 38.4 | 31.4 | 1.0 | 1.7 | 37 |
| HBK R4820 | 42.7 | 39.0 | . | 1.0 | 1.0 | 34 |
| Morsoy RT4993 | 42.6 | . | . | 1.0 | 1.0 | 30 |
| Deltapine DP4933RR | 41.7 | . | . | 1.0 | 1.3 | 36 |
| HBK 4944CX | 41.4 | 37.5 | . | 1.7 | 3.7 | 43 |
| Southern States RT4980 | 41.2 | 36.7 | 32.4 | 1.0 | 2.0 | 34 |
| USG 7489RR | 41.2 | 36.6 | 31.7 | 1.0 | 1.7 | 34 |
| USG 7482nRR | 41.2 | . | . | 1.0 | 2.0 | 28 |
| MPV 4904nRR | 40.7 | . | . | 2.0 | 1.3 | 35 |
| Southern States RT4902N | 40.0 | 37.5 | . | 1.0 | 1.0 | 35 |
| Terral TVX48R1U1 | 40.0 | . | . | 1.0 | 1.0 | 35 |
| Terral TVX49R2Z1 | 39.9 | . | . | 1.0 | 1.0 | 39 |
| Terral TVX49R2Y4 | 39.7 | . | . | 1.0 | 1.3 | 40 |
| DT97-4290 | 39.0 | . | . | 1.0 | 1.0 | 34 |
| Terral TVX49R1L2 | 38.7 | . | . | 1.7 | 1.3 | 41 |
| Delta King XTJ448 | 37.5 | . | . | 1.0 | 2.3 | 37 |
| Progeny 4884RR | 36.5 | . | . | 1.0 | 1.3 | 28 |
| FFR 4922RR | 35.9 | . | . | 1.0 | 1.3 | 35 |

| | | | | | | |
|-----------------|------|------|------|------|------|----|
| Terral TV4886RR | 35.5 | 36.5 | 31.9 | 1.0 | 1.7 | 37 |
| DT98-9102 | 30.3 | . | . | 1.0 | 1.7 | 23 |
| Grand mean | 43.3 | . | . | 1.1 | 1.4 | 33 |
| LSD (5%) | 5.0 | . | . | 0.3 | 0.7 | . |
| C.V. (%) | 7.1 | . | . | 15.6 | 28.2 | . |

Table 9. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ¹ Avg. | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|-----------------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | |
| Morsoy RT5553 | 56.0 | . | . | 2.0 | 1.3 | 32 |
| ES XVT-19RR | 55.8 | . | . | 1.7 | 1.0 | 31 |
| Anand | 55.0 | 42.4 | 37.0 | 1.0 | 2.0 | 22 |
| Dyna Gro 3521NRR | 54.9 | 36.7 | 32.0 | 1.0 | 1.7 | 28 |
| ASGROW AG5301 | 54.3 | 38.8 | . | 1.0 | 2.0 | 31 |
| USG 7553nRR | 54.3 | . | . | 1.0 | 1.0 | 26 |
| Croplan Genetics RC5555 | 54.3 | . | . | 1.7 | 1.0 | 37 |
| PGY 5503RR | 54.0 | . | . | 1.0 | 1.0 | 27 |
| ASGROW AG5501 | 53.5 | 40.4 | 34.3 | 1.0 | 2.7 | 30 |
| Armor 52-C2 | 53.0 | 40.1 | 35.4 | 1.3 | 1.0 | 36 |
| Morsoy RT5440 | 53.0 | 39.3 | 35.2 | 1.0 | 1.0 | 30 |
| Delta Grow 5460RR | 53.0 | . | . | 1.0 | 1.0 | 31 |
| Terral TV52R42 | 52.8 | 38.4 | 35.3 | 1.0 | 2.3 | 28 |
| R97-1634 | 52.5 | . | . | 1.0 | 1.0 | 25 |
| Delta Grow 5260RR | 52.5 | . | . | 1.7 | 1.3 | 27 |
| Delta King 5366RR | 52.3 | 37.1 | 33.9 | 1.0 | 1.0 | 25 |
| Progeny 5250RR | 52.3 | 37.5 | . | 1.0 | 1.7 | 22 |
| S99-2447-02RR | 52.0 | . | . | 1.0 | 1.0 | 28 |
| Dyna Gro 3518NRR | 52.0 | 33.7 | 30.7 | 1.0 | 2.0 | 28 |
| Terral TV52R301 | 51.8 | . | . | 1.0 | 1.0 | 23 |
| FFR 5225RR | 51.6 | 35.1 | . | 1.0 | 2.7 | 32 |
| Delta King XTJ404 | 51.6 | . | . | 1.3 | 1.0 | 33 |
| Dyna Gro 3535NRR | 51.5 | 35.6 | 30.8 | 1.7 | 1.0 | 35 |
| Armor 53-K3 | 51.5 | 37.1 | 32.1 | 1.0 | 1.0 | 27 |
| NK Brand S52-U3 | 51.5 | 37.4 | . | 1.0 | 1.0 | 25 |
| USG 540NRR | 51.3 | 36.1 | 30.4 | 1.0 | 1.0 | 24 |
| HBK R5422 | 51.3 | . | . | 1.0 | 2.3 | 30 |
| Southern States RT5302N | 51.1 | 37.0 | . | 1.0 | 2.7 | 32 |
| Southern States RT557N | 51.0 | 39.9 | 33.7 | 1.3 | 2.0 | 29 |
| Progeny 5415RR | 50.8 | . | . | 1.0 | 1.0 | 29 |
| Delta King 5561RR | 50.6 | 36.1 | . | 1.0 | 1.0 | 26 |
| Delsoy 5500 | 50.3 | 39.5 | 34.5 | 1.0 | 1.0 | 26 |
| Ozark | 50.3 | 38.7 | 33.3 | 1.0 | 1.0 | 29 |
| ASGROW A5427 | 50.1 | . | . | 1.0 | 1.0 | 21 |
| Southern States RT5602 | 50.1 | . | . | 1.0 | 2.3 | 25 |
| FFR 5542RR | 50.1 | . | . | 1.3 | 2.7 | 26 |
| USG 5002T | 49.8 | . | . | 1.0 | 1.3 | 20 |
| Croplan Genetics RC5332 | 49.6 | 35.8 | . | 1.0 | 2.0 | 31 |
| Delta King XTJ405 | 49.6 | . | . | 1.0 | 1.0 | 28 |
| Deltapine DP5414RR | 49.3 | 38.9 | 34.8 | 2.7 | 2.3 | 37 |
| Delta King 5465RR | 49.1 | 39.2 | 33.6 | 1.0 | 1.0 | 25 |
| Golden Harvest 5492RR | 48.6 | 36.2 | . | 1.3 | 1.0 | 23 |
| USG 7524nRR | 48.6 | . | . | 2.3 | 1.7 | 37 |
| Delta King XTJ452 | 48.6 | . | . | 2.3 | 1.7 | 29 |

Table 9. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ¹ Avg. | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|-----------------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u> | | | | | | |
| DEKALB DKB53-51 | 48.3 | . | . | 1.7 | 1.0 | 27 |
| Morsoy RT5252 | 48.1 | . | . | 1.0 | 1.0 | 25 |
| Dyna Gro SX03152 | 48.1 | . | . | 1.0 | 1.0 | 26 |
| Terral TV54R11 | 47.9 | 33.8 | 29.7 | 1.0 | 1.0 | 28 |
| MPV 5502NRR | 47.9 | 34.5 | . | 1.0 | 1.0 | 28 |
| MPV 5302NRR | 47.8 | 35.7 | . | 1.0 | 1.0 | 27 |
| Pioneer Brand 95B42 | 47.6 | 35.7 | . | 1.0 | 2.0 | 28 |
| MPV 5504nRR | 47.6 | . | . | 1.0 | 1.0 | 29 |
| V96-0340 | 47.6 | . | . | 1.0 | 2.3 | 22 |
| Hutcheson | 46.9 | 35.1 | 32.3 | 1.3 | 2.0 | 28 |
| Delta Grow 5250RR | 45.9 | 33.8 | 30.4 | 1.0 | 1.7 | 23 |
| Md 92-5769 | 45.6 | . | . | 1.0 | 1.0 | 22 |
| Pioneer Brand 95B32 | 45.2 | 35.4 | 32.5 | 1.0 | 1.0 | 21 |
| Armor 52-Q2 | 45.1 | . | . | 2.0 | 1.7 | 27 |
| Pioneer Brand 95B43 | 44.4 | 35.3 | . | 1.3 | 1.3 | 27 |
| NK Brand S50-N3 | 43.4 | . | . | 1.3 | 2.0 | 34 |
| HBK R5123 | 43.2 | . | . | 1.7 | 3.0 | 33 |
| 99VPI-67 | 42.2 | 33.1 | . | 1.3 | 2.3 | 25 |
| R95-1705 | 38.0 | 29.5 | . | 1.0 | 1.0 | 23 |
| Grand mean | 50.0 | . | . | 1.2 | 1.5 | 28 |
| LSD (5%) | 4.8 | . | . | 0.6 | 0.7 | . |
| C.V. (%) | 6.0 | . | . | 29.8 | 27.9 | . |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | | | | | |
| Garst 6112RR/N | 58.2 | . | . | 1.3 | 1.0 | 37 |
| Armor 58-V8 | 58.2 | . | . | 1.0 | 1.3 | 30 |
| Terral TVX62R001 | 58.0 | 41.5 | . | 1.7 | 1.0 | 36 |
| Terral TVX59R301 | 57.7 | . | . | 1.0 | 1.0 | 31 |
| Delta King 5967RR | 56.5 | 43.9 | . | 1.0 | 1.7 | 26 |
| Delta King XTJ407 | 56.5 | . | . | 1.0 | 1.3 | 31 |
| USG 7582nRR | 56.2 | 45.8 | . | 1.0 | 1.7 | 29 |
| Morsoy RT5773 | 56.2 | . | . | 1.3 | 2.3 | 31 |
| Progeny 5822RR | 55.5 | 44.9 | . | 1.0 | 1.3 | 26 |
| Morsoy RT5903 | 55.5 | . | . | 1.0 | 1.0 | 31 |
| Progeny 5660RR | 55.2 | 40.6 | 34.5 | 1.0 | 1.0 | 34 |
| ASGROW AG5903 | 55.0 | 42.1 | . | 1.7 | 1.3 | 34 |
| Dyna Gro 3583NRR | 54.8 | 46.1 | . | 1.0 | 1.7 | 26 |
| Dyna Gro 3562NRR | 54.5 | 42.3 | 35.9 | 1.0 | 1.3 | 27 |
| Pioneer Brand 95B97 | 54.3 | 43.8 | . | 1.0 | 1.0 | 22 |
| Morsoy RT5620 | 53.8 | 42.9 | 38.0 | 1.3 | 1.0 | 32 |
| Dyna Gro 38K57 | 53.8 | . | . | 1.3 | 2.3 | 31 |
| ASGROW AG5701 | 53.5 | 42.3 | . | 1.3 | 1.0 | 30 |

Table 9. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ¹ Avg. | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|-----------------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | |
| Terral TV58R11 | 53.3 | 43.5 | . | 1.0 | 1.0 | 30 |
| Delta King 5767RR | 53.3 | 42.1 | . | 1.7 | 2.0 | 29 |
| R98-209 | 53.3 | . | . | 1.3 | 1.0 | 33 |
| Terral TV59R98 | 53.0 | 42.0 | . | 1.3 | 1.3 | 37 |
| Caviness | 52.7 | 44.0 | 39.1 | 1.0 | 2.0 | 20 |
| NK Brand S57-P1 | 52.5 | . | . | 1.3 | 2.0 | 30 |
| Dyna Gro SX03157 | 52.3 | . | . | 1.0 | 1.7 | 31 |
| USG 7563nRR | 52.1 | . | . | 1.7 | 2.0 | 25 |
| Terral TVX57R301 | 52.1 | . | . | 1.3 | 2.3 | 29 |
| Delta Grow 5960RR | 51.8 | 44.9 | . | 1.0 | 1.0 | 25 |
| Deltapine DP5915RR | 51.3 | 43.0 | . | 1.3 | 1.3 | 28 |
| HBK R5620 | 51.3 | 41.5 | 34.6 | 1.3 | 1.0 | 28 |
| Delta King 5661RR | 51.1 | 40.3 | 34.2 | 1.0 | 1.0 | 30 |
| Croplan Genetics RC5972 | 51.1 | . | . | 1.0 | 1.3 | 29 |
| Garst 5812RR/N | 51.1 | . | . | 1.0 | 1.0 | 33 |
| PGY 5703RR | 51.1 | . | . | 1.7 | 2.0 | 28 |
| Delta Grow 5630RR | 51.0 | 39.1 | 34.4 | 1.0 | 1.3 | 30 |
| HBK 5991 | 50.8 | 39.8 | . | 1.0 | 1.0 | 25 |
| ASGROW AG5605 | 50.8 | . | . | 1.3 | 1.0 | 22 |
| HBK R6020 | 50.6 | 39.8 | . | 1.3 | 1.0 | 36 |
| Delta King XTJ406 | 50.6 | . | . | 2.0 | 2.3 | 31 |
| Delta King 5668RR | 50.1 | 39.9 | 34.1 | 1.0 | 1.0 | 26 |
| Armor 56-J6 | 49.3 | 37.0 | 31.8 | 1.0 | 1.0 | 31 |
| USG 7562nRR | 49.3 | . | . | 1.0 | 1.0 | 26 |
| Armor 56-C4 | 49.1 | 41.8 | . | 1.0 | 1.0 | 28 |
| USG 570NRR | 48.7 | 36.9 | . | 1.0 | 1.0 | 27 |
| Terral TV56R11 | 48.6 | 39.3 | 34.1 | 1.0 | 1.0 | 34 |
| Deltapine DP5634RR | 48.6 | . | . | 1.3 | 1.0 | 32 |
| Terral TVX56R3K1 | 48.6 | . | . | 1.3 | 1.0 | 33 |
| Delta King 5995 | 48.1 | 40.1 | . | 1.0 | 1.0 | 19 |
| USG 5601T | 48.1 | 42.9 | . | 1.0 | 1.0 | 21 |
| DEKALB DKB57-51 | 47.8 | . | . | 2.0 | 2.7 | 31 |
| Deltapine DP5806RR | 47.6 | 37.5 | . | 1.7 | 1.0 | 34 |
| Delta King XTJ457 | 47.4 | . | . | 1.7 | 1.0 | 27 |
| Progeny 5600 | 47.1 | 40.2 | 36.1 | 1.7 | 2.0 | 30 |
| R00-53F | 47.1 | . | . | 1.3 | 2.7 | 25 |
| FFR 5702RR | 47.1 | . | . | 1.7 | 2.3 | 39 |
| ES XVT-41RR | 46.9 | . | . | 1.3 | 1.3 | 40 |
| Pioneer Brand 95B96 | 46.6 | 37.4 | . | 1.0 | 1.0 | 31 |
| Delta Grow 5650RR | 46.6 | . | . | 1.7 | 2.0 | 28 |
| Terral TVX56R1B2 | 46.4 | . | . | 1.3 | 1.0 | 36 |
| Armor AXR5881 | 46.4 | . | . | 1.0 | 1.0 | 26 |
| HBK 5592 | 46.1 | . | . | 1.3 | 1.0 | 32 |
| Terral TVX57R2M1 | 46.1 | . | . | 1.3 | 1.0 | 35 |

Table 9. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station Marianna, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year ¹ Avg. | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|-----------------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | |
| HBK R5823 | 45.9 | . | . | 1.0 | 1.0 | 33 |
| AGSE 587RR | 44.4 | . | . | 2.3 | 1.0 | 36 |
| Delta King XTJ4R58 | 44.4 | . | . | 2.3 | 1.0 | 39 |
| Dyna Gro 33B52 | 44.4 | . | . | 1.3 | 2.0 | 26 |
| Pioneer Brand 9594 | 42.9 | 36.0 | . | 1.7 | 1.0 | 28 |
| Terral TVX58R1V2 | 42.9 | . | . | 1.7 | 1.3 | 38 |
| Terral TVX58R2W1 | 42.9 | . | . | 1.7 | 1.3 | 40 |
| 99VPI-120 | 42.4 | 32.5 | . | 1.3 | 1.7 | 29 |
| ES XVT-46RR | 41.0 | . | . | 1.0 | 1.0 | 31 |
| Terral TVX59R201 | 40.5 | . | . | 1.3 | 2.0 | 39 |
| Freedom | 23.1 | 26.4 | . | 1.0 | 1.7 | 20 |
| Grand mean | 49.9 | . | . | 1.3 | 1.4 | 30 |
| LSD (5%) | 5.9 | . | . | 0.6 | 0.6 | . |
| C.V. (%) | 7.4 | . | . | 29.2 | 28.5 | . |

¹ Three-year averages for the MG IV Early test are calculated from the years 2000, 2002, and 2003. There were no data reported for the MG V Late tests in 2000 or 2001, however there are some 3-year averages because of differences in relative maturity groupings in past years.

Soil Series.....Calloway silt loam
 Previous Crop..... Soybean
 Row Width..... 38 inches
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-28-03
 Herbicide Application.....1.0 pt./A Dual + 4 oz./A Canopy XL, 5-30-03, 0.75 pt./A Fusilade, 6-09-03, 1.5
 pts./A Storm, 6-14-03
 0.62 pt./A Storm, 7-07-03, 1.0 pt./A Blazer, 7-21-03, 1.0 pt./A Blazer, 7-29-03
 Insecticide Application.....2.0 pts./A Methyl Parathion, 8-11-03, 2.0 pts./A Methyl Parathion, 9-07-03
 Harvest Dates..... MG4 Early: 9-29-03
 MG4 Late: 10-02-03
 MG5 Early: 10-12-03
 MG5 Late: 10-19-03

Precipitation (inches)

| | April | May | June | July | August | Septemb er | October | Total |
|-----------|-------|------|------|------|--------|---------------|---------|-------|
| 2003 | 2.6 | 7.4 | 4.2 | 4.0 | 3.9 | 3.4 | 1.3 | 26.8 |
| Average | 5.4 | 5.2 | 3.4 | 4.0 | 2.8 | 4.0 | 3.0 | 27.8 |
| Departure | -2.8 | +2.2 | +0.8 | 0.0 | +1.1 | -0.6 | -1.7 | -1.0 |

Table 10. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| DT98-7278 | 70.1 | . | . | 9-27 | 1.0 | 1.0 | 27 |
| Pioneer 94M70 | 68.8 | . | . | 9-21 | 1.3 | 1.0 | 29 |
| Pioneer 94B73 | 66.5 | 61.6 | . | 9-20 | 1.0 | 1.0 | 33 |
| NK Brand S43-B1 | 65.6 | . | . | 9-20 | 1.0 | 1.0 | 30 |
| Armor 47-G7 | 63.9 | 58.8 | 57.1 | 9-21 | 1.0 | 1.0 | 28 |
| Delta King XTJ402 | 63.6 | . | . | 9-22 | 1.0 | 1.0 | 33 |
| Deltapine DPX4446RR | 63.5 | . | . | 9-21 | 1.0 | 1.0 | 38 |
| Armor 44-R5 | 63.1 | . | . | 9-20 | 1.0 | 1.0 | 31 |
| DEKALB DKB46-51 | 62.6 | . | . | 9-21 | 1.0 | 1.0 | 31 |
| Delta King 4461RR | 62.5 | 61.5 | 57.9 | 9-20 | 1.0 | 1.0 | 34 |
| Deltapine 4748S | 62.1 | 63.4 | 65.2 | 9-25 | 1.7 | 1.0 | 35 |
| USG 7440nRR | 61.9 | . | . | 9-21 | 1.0 | 1.0 | 34 |
| ASGROW AG4502 | 61.3 | . | . | 9-21 | 1.0 | 1.0 | 28 |
| ASGROW AG4201 | 61.0 | 56.3 | . | 9-17 | 2.0 | 1.0 | 30 |
| DEKALB DKB44-52 | 60.1 | . | . | 9-15 | 1.0 | 1.0 | 32 |
| HBK 4891 | 60.0 | 62.1 | 62.4 | 9-20 | 1.0 | 1.0 | 33 |
| Dyna Gro 3443NRR | 59.8 | 56.2 | 57.4 | 9-19 | 1.0 | 1.0 | 30 |
| Golden Harvest 4772RR | 59.6 | 57.9 | . | 9-19 | 1.0 | 1.0 | 30 |
| Southern States RT4502N | 59.5 | 52.8 | . | 9-20 | 1.0 | 1.0 | 37 |
| Delta King 4763RR | 58.4 | 57.5 | 58.0 | 9-21 | 1.0 | 1.0 | 36 |
| DEKALB DKB44-51 | 58.3 | . | . | 9-16 | 1.0 | 1.0 | 34 |
| ASGROW AG4403 | 58.0 | 53.6 | 54.7 | 9-21 | 1.0 | 1.0 | 34 |
| ASGROW AG4603 | 57.9 | 53.3 | . | 9-23 | 1.0 | 1.0 | 30 |
| Deltapine DP4724RR | 57.3 | . | . | 9-18 | 1.0 | 1.3 | 33 |
| Armor 44-R4 | 56.6 | 52.6 | 52.6 | 9-17 | 1.0 | 1.0 | 29 |
| PGY 3900RR | 56.6 | . | . | 9-15 | 1.0 | 1.0 | 29 |
| Delta King XTJ447 | 56.6 | . | . | 9-20 | 1.3 | 1.0 | 33 |
| Progeny 4401RR | 56.1 | 51.5 | . | 9-19 | 1.0 | 1.0 | 30 |
| Golden Harvest 4534RR | 55.1 | 52.0 | . | 9-20 | 1.0 | 1.0 | 32 |
| Morsoy RT4480 | 54.7 | 52.8 | . | 9-18 | 1.0 | 1.0 | 31 |
| Garst 4512RR/N | 54.5 | 52.4 | . | 9-18 | 1.0 | 1.0 | 29 |
| Terral TV4589RR | 54.1 | 52.5 | 51.3 | 9-17 | 1.0 | 1.0 | 32 |
| Delta King XTJ401 | 54.1 | . | . | 9-16 | 1.0 | 1.0 | 31 |
| Delta King XTJ446 | 54.1 | . | . | 9-18 | 1.0 | 1.0 | 33 |
| Terral TV4890 RR | 53.8 | 51.8 | 50.6 | 9-16 | 1.0 | 1.0 | 36 |
| Deltapine DP4331RR | 53.5 | . | . | 9-16 | 1.0 | 1.0 | 31 |
| Terral TVX47R2P1 | 52.9 | . | . | 9-24 | 1.0 | 1.0 | 37 |
| Deltapine DP 4690RR | 51.3 | 48.3 | 51.9 | 9-19 | 1.0 | 1.0 | 34 |
| Dyna Gro 3463NRR | 51.2 | . | . | 9-16 | 1.0 | 1.0 | 34 |
| Terral TVX47R1K2 | 51.1 | . | . | 9-23 | 1.0 | 1.0 | 38 |
| Grand mean | 58.8 | . | . | 9-20 | 1.1 | 1.0 | 32 |
| LSD (5%) | 8.0 | . | . | 5 | 0.2 | 0.1 | . |
| C.V. (%) | 8.3 | . | . | 4 | 14.4 | 8.8 | . |

Table 10. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | | |
| PGY 4949RR | 71.6 | . | . | 9-27 | 1.0 | 1.0 | 39 |
| NK Brand S49-Q9 | 67.5 | 62.6 | . | 9-26 | 1.7 | 1.0 | 41 |
| ASGROW AG4902 | 65.8 | 63.1 | 60.9 | 9-24 | 1.0 | 1.0 | 33 |
| Delta Grow 4960RR | 65.2 | . | . | 9-25 | 1.0 | 1.0 | 27 |
| PGY 4860RR | 65.1 | . | . | 9-24 | 1.0 | 1.0 | 35 |
| Delta King XTJ450 | 64.9 | . | . | 9-24 | 1.0 | 1.0 | 31 |
| R98-1817 | 64.2 | 64.2 | . | 9-26 | 1.0 | 1.0 | 23 |
| FFR 4922RR | 64.1 | . | . | 9-20 | 1.7 | 1.0 | 34 |
| Southern States RT517N | 63.4 | 54.9 | 57.7 | 9-26 | 1.0 | 1.0 | 27 |
| Garst D484RR/N | 63.2 | 57.9 | . | 9-24 | 1.0 | 1.0 | 38 |
| Southern States RT5001N | 62.4 | 57.9 | 59.2 | 9-27 | 1.0 | 1.0 | 34 |
| Progeny 4910 | 62.1 | 60.9 | 62.6 | 9-26 | 1.3 | 1.0 | 42 |
| DT98-9102 | 62.1 | . | . | 9-24 | 1.0 | 1.0 | 28 |
| Delta King XTJ403 | 59.3 | . | . | 9-17 | 1.3 | 1.0 | 32 |
| Progeny 4932RR | 58.6 | 58.2 | . | 9-20 | 1.7 | 1.0 | 36 |
| USG 7482nRR | 58.0 | . | . | 9-19 | 1.3 | 1.0 | 31 |
| Dyna Gro SX03149 | 58.0 | . | . | 9-22 | 1.0 | 1.0 | 38 |
| Southern States RT4930 | 57.7 | . | . | 9-22 | 1.0 | 1.0 | 30 |
| Terral TVX49R2Z1 | 57.7 | . | . | 9-26 | 2.0 | 1.0 | 42 |
| Delta King 4967RR | 57.5 | 56.4 | . | 9-18 | 1.3 | 1.0 | 31 |
| Delta King XTJ448 | 57.3 | . | . | 9-22 | 1.7 | 1.0 | 41 |
| Delta King 4868RR | 57.1 | 58.2 | 59.0 | 9-18 | 1.0 | 1.0 | 36 |
| Dyna Gro 3481NRR | 56.5 | . | . | 9-17 | 1.3 | 1.0 | 31 |
| Terral TVX49R2Y4 | 56.3 | . | . | 9-25 | 2.0 | 1.0 | 44 |
| Progeny 4884RR | 55.8 | . | . | 9-17 | 1.3 | 1.0 | 34 |
| HBK R4922 | 55.4 | 54.2 | . | 9-20 | 2.0 | 1.0 | 38 |
| USG 7499nRR | 55.3 | 55.5 | . | 9-22 | 1.0 | 1.0 | 39 |
| Terral TVX48R1U1 | 54.8 | . | . | 9-22 | 1.0 | 1.0 | 40 |
| Armor 49-P9 | 54.5 | . | . | 9-23 | 1.0 | 1.0 | 35 |
| Southern States RT4902N | 53.6 | 55.7 | . | 9-18 | 1.7 | 1.0 | 37 |
| Delta Grow 4860RR | 53.5 | 54.8 | . | 9-16 | 1.7 | 1.0 | 36 |
| HBK 4944CX | 53.4 | 55.0 | . | 9-18 | 1.7 | 1.0 | 30 |
| Morsoy RT4802 | 53.4 | 55.0 | . | 9-17 | 1.3 | 1.0 | 35 |
| Morsoy RT4809 | 53.2 | 60.5 | 56.8 | 9-19 | 1.0 | 1.0 | 35 |
| DT97-4290 | 52.4 | . | . | 9-21 | 1.0 | 1.0 | 39 |
| Terral TVX49R1L2 | 52.3 | . | . | 9-24 | 1.3 | 1.0 | 48 |
| HBK R4820 | 52.2 | 58.4 | . | 9-20 | 1.0 | 1.0 | 33 |
| Manokin | 51.8 | 51.2 | 53.0 | 9-24 | 1.0 | 1.0 | 32 |
| Morsoy RT4993 | 51.8 | . | . | 9-18 | 1.0 | 1.0 | 35 |
| Deltapine DP4933RR | 51.7 | . | . | 9-17 | 2.0 | 1.0 | 35 |
| Terral TV4886RR | 50.8 | 52.6 | 52.0 | 9-22 | 1.0 | 1.0 | 40 |
| MPV 4904nRR | 48.6 | . | . | 9-25 | 2.3 | 1.0 | 35 |
| HBK R4920 | 47.8 | 53.3 | 53.2 | 9-22 | 1.3 | 1.0 | 33 |
| USG 7489RR | 47.7 | 55.3 | 52.7 | 9-20 | 1.0 | 1.0 | 36 |
| Southern States RT4980 | 43.9 | 50.3 | 53.6 | 9-21 | 1.0 | 1.0 | 36 |

| | | | | | | | |
|------------|------|---|---|------|------|-----|----|
| Grand mean | 57.1 | . | . | 9-22 | 1.3 | 1.0 | 35 |
| LSD (5%) | 8.8 | . | . | 4 | 0.6 | . | . |
| C.V. (%) | 9.5 | . | . | 3 | 27.5 | . | . |

Table 10. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | | |
| ASGROW A5427 | 73.3 | . | . | 10-02 | 1.0 | 1.0 | 26 |
| ASGROW AG5501 | 71.9 | 66.4 | 67.5 | 10-03 | 1.0 | 1.0 | 27 |
| Ozark | 70.8 | 66.4 | 67.8 | 10-01 | 1.0 | 1.0 | 26 |
| V96-0340 | 69.7 | . | . | 9-27 | 1.0 | 1.0 | 22 |
| NK Brand S52-U3 | 69.5 | 65.5 | . | 10-01 | 1.0 | 1.0 | 28 |
| Morsoy RT5252 | 69.4 | . | . | 10-07 | 1.0 | 1.0 | 22 |
| Terral TV52R301 | 69.4 | . | . | 10-05 | 1.0 | 1.0 | 25 |
| Pioneer Brand 95B43 | 68.7 | 64.6 | . | 10-01 | 1.0 | 1.0 | 27 |
| USG 540NRR | 68.3 | 60.9 | 61.3 | 10-02 | 1.0 | 1.0 | 27 |
| Delta Grow 5260RR | 68.3 | . | . | 9-28 | 1.0 | 1.0 | 33 |
| FFR 5542RR | 68.3 | . | . | 10-01 | 1.0 | 1.0 | 31 |
| Morsoy RT5440 | 67.9 | 62.2 | 63.8 | 10-05 | 1.0 | 1.0 | 31 |
| Southern States RT557N | 67.6 | 62.4 | 65.3 | 10-02 | 1.3 | 1.0 | 31 |
| Armor 52-C2 | 67.5 | 62.6 | 64.9 | 10-06 | 1.0 | 1.0 | 23 |
| ASGROW AG5301 | 67.2 | 62.2 | . | 10-01 | 1.0 | 1.0 | 24 |
| Progeny 5415RR | 67.1 | . | . | 10-03 | 1.0 | 1.0 | 28 |
| Progeny 5250RR | 67.0 | 60.5 | . | 10-07 | 1.0 | 1.0 | 18 |
| Southern States RT5602 | 66.8 | . | . | 9-29 | 1.0 | 1.0 | 31 |
| Hutcheson | 66.6 | 62.4 | 65.5 | 10-04 | 1.0 | 1.0 | 32 |
| Terral TV54R11 | 66.6 | 59.6 | 61.6 | 10-03 | 1.0 | 1.0 | 28 |
| USG 7524nRR | 66.6 | . | . | 9-28 | 2.7 | 1.0 | 42 |
| Deltapine DP5414RR | 66.4 | 61.5 | 61.9 | 10-06 | 2.0 | 1.0 | 38 |
| MPV 5504nRR | 66.3 | . | . | 10-01 | 1.0 | 1.0 | 29 |
| Delta King 5465RR | 66.1 | 63.0 | 63.4 | 10-03 | 1.0 | 1.0 | 30 |
| NK Brand S50-N3 | 65.8 | . | . | 10-03 | 1.7 | 1.0 | 39 |
| 99VPI-67 | 65.7 | 61.9 | . | 9-28 | 1.0 | 1.0 | 26 |
| Armor 53-K3 | 65.2 | 61.5 | 62.1 | 10-02 | 1.0 | 1.0 | 29 |
| DEKALB DKB53-51 | 65.2 | . | . | 9-30 | 1.0 | 1.0 | 26 |
| R97-1634 | 65.0 | . | . | 10-06 | 1.0 | 1.0 | 27 |
| Dyna Gro SX03152 | 64.9 | . | . | 9-28 | 1.0 | 1.0 | 31 |
| HBK R5123 | 64.6 | . | . | 9-29 | 2.3 | 1.0 | 39 |
| Southern States RT5302N | 64.3 | 59.7 | . | 9-29 | 1.0 | 1.0 | 28 |
| Dyna Gro 3518NRR | 63.5 | 60.0 | 61.2 | 9-30 | 1.0 | 1.0 | 30 |
| S99-2447-02RR | 63.4 | . | . | 10-03 | 1.0 | 1.0 | 30 |
| HBK R5422 | 63.4 | . | . | 9-29 | 1.0 | 1.0 | 23 |
| Golden Harvest 5492RR | 63.2 | 59.0 | . | 10-01 | 1.0 | 1.0 | 24 |
| MPV 5302NRR | 63.1 | 60.4 | . | 10-01 | 1.0 | 1.0 | 30 |
| MPV 5502NRR | 62.9 | 60.9 | . | 9-30 | 1.0 | 1.0 | 31 |
| Terral TV52R42 | 62.7 | 57.9 | 60.5 | 9-29 | 1.0 | 1.0 | 26 |
| Croplan Genetics RC5332 | 62.0 | 58.3 | . | 10-02 | 1.0 | 1.0 | 30 |
| Delta King XTJ452 | 61.9 | . | . | 9-28 | 1.0 | 1.0 | 31 |
| FFR 5225RR | 61.6 | 58.9 | . | 10-01 | 1.0 | 1.0 | 30 |
| Delsoy 5500 | 61.5 | 59.1 | 63.1 | 10-03 | 1.0 | 1.0 | 31 |
| Pioneer Brand 95B42 | 61.2 | 60.5 | . | 10-01 | 1.3 | 1.0 | 28 |

Table 10. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2003, Continued.

| Brand/Cultivar | 2003 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> | | | | | | | |
| Dyna Gro 3521NRR | 60.4 | 57.2 | 57.3 | 10-03 | 1.0 | 1.0 | 32 |
| Delta Grow 5250RR | 60.2 | 55.5 | 56.9 | 10-05 | 1.0 | 1.0 | 27 |
| USG 7553nRR | 60.0 | . | . | 10-04 | 1.0 | 1.0 | 25 |
| Delta Grow 5460RR | 59.9 | . | . | 10-03 | 1.0 | 1.0 | 23 |
| ES XVT-19RR | 59.8 | . | . | 10-07 | 1.0 | 1.0 | 28 |
| Morsoy RT5553 | 59.0 | . | . | 9-30 | 1.0 | 1.0 | 35 |
| PGY 5503RR | 57.6 | . | . | 10-03 | 1.0 | 1.0 | 26 |
| Delta King 5561RR | 57.5 | 55.2 | . | 9-30 | 1.0 | 1.0 | 29 |
| Croplan Genetics RC5555 | 57.3 | . | . | 10-02 | 1.0 | 1.0 | 41 |
| Armor 52-Q2 | 57.0 | . | . | 9-27 | 1.0 | 1.0 | 23 |
| R95-1705 | 56.1 | 54.4 | . | 9-30 | 1.0 | 1.0 | 25 |
| Delta King XTJ405 | 55.0 | . | . | 10-02 | 1.0 | 1.0 | 24 |
| Md 92-5769 | 54.9 | . | . | 10-01 | 1.0 | 1.0 | 20 |
| USG 5002T | 54.4 | . | . | 9-28 | 1.0 | 1.0 | 18 |
| Anand | 54.2 | 57.3 | 55.9 | 10-05 | 1.0 | 1.0 | 21 |
| Delta King XTJ404 | 53.5 | . | . | 10-03 | 1.0 | 1.0 | 25 |
| Delta King 5366RR | 52.6 | 57.0 | 55.9 | 10-04 | 1.0 | 1.0 | 23 |
| Pioneer Brand 95B32 | 52.4 | 56.4 | 57.0 | 9-27 | 1.0 | 1.0 | 23 |
| Dyna Gro 3535NRR | 51.0 | 57.3 | 58.0 | 10-05 | 1.0 | 1.0 | 29 |
| Grand mean | 63.2 | . | . | 10-02 | 1.1 | 1.0 | 28 |
| LSD (5%) | 4.9 | . | . | 2 | 0.3 | . | . |
| C.V. (%) | 4.9 | . | . | 2 | 15.1 | . | . |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | | | | | | |
| Croplan Genetics RC5972 | 74.0 | . | . | 10-08 | 1.0 | 1.0 | 36 |
| USG 5601T | 73.9 | 68.5 | . | 10-06 | 1.0 | 1.0 | 34 |
| USG 7582nRR | 73.6 | 65.9 | . | 10-07 | 1.0 | 1.0 | 36 |
| Progeny 5822RR | 72.6 | 67.6 | . | 10-09 | 1.0 | 1.0 | 39 |
| Pioneer Brand 9594 | 72.4 | 65.9 | 67.8 | 10-09 | 1.3 | 1.0 | 32 |
| Pioneer Brand 95B96 | 72.4 | 65.6 | 66.0 | 10-09 | 1.0 | 1.0 | 35 |
| Delta Grow 5960RR | 71.7 | 68.5 | . | 10-07 | 1.0 | 1.0 | 30 |
| Terral TVX59R301 | 71.4 | . | . | 10-06 | 1.0 | 1.0 | 37 |
| Deltapine DP5915RR | 71.3 | 68.5 | 67.1 | 10-12 | 2.0 | 1.0 | 33 |
| Morsoy RT5903 | 70.8 | . | . | 10-06 | 1.0 | 1.0 | 32 |
| Garst 6112RR/N | 70.7 | . | . | 10-09 | 2.0 | 1.0 | 42 |
| Delta King XTJ407 | 70.5 | . | . | 10-06 | 1.3 | 1.0 | 35 |
| Delta King 5967RR | 69.9 | 67.0 | . | 10-05 | 1.0 | 1.0 | 38 |
| HBK R6020 | 69.6 | 66.2 | 67.3 | 10-13 | 1.3 | 1.0 | 42 |
| Terral TVX62R001 | 69.6 | 65.5 | . | 10-10 | 2.0 | 1.0 | 43 |
| Dyna Gro 3583NRR | 67.3 | 63.1 | . | 10-06 | 1.0 | 1.0 | 38 |
| ES XVT-46RR | 67.3 | . | . | 10-04 | 1.0 | 1.0 | 39 |
| NK Brand S57-P1 | 66.9 | . | . | 10-02 | 1.0 | 1.0 | 30 |

Table 10. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| Freedom | 66.7 | 64.9 | . | 10-01 | 2.7 | 1.0 | 29 |
| Terral TV58R11 | 66.2 | 64.1 | 65.2 | 10-05 | 1.7 | 1.0 | 35 |
| Delta King 5995 | 66.0 | 64.0 | 64.0 | 10-06 | 1.0 | 1.0 | 34 |
| Delta Grow 5650RR | 65.9 | . | . | 10-02 | 1.3 | 1.0 | 34 |
| Delta King XTJ406 | 65.7 | . | . | 10-03 | 1.0 | 1.0 | 34 |
| USG 7563nRR | 65.5 | . | . | 10-02 | 1.3 | 1.0 | 31 |
| HBK 5592 | 65.3 | . | . | 10-08 | 3.0 | 1.0 | 42 |
| AGSE 587RR | 65.1 | . | . | 10-09 | 2.0 | 1.0 | 40 |
| Delta King XTJ4R58 | 65.0 | . | . | 10-08 | 2.3 | 1.0 | 44 |
| Delta King 5767RR | 64.4 | 60.5 | . | 10-05 | 1.7 | 1.0 | 37 |
| Armor 58-V8 | 64.4 | . | . | 10-02 | 1.3 | 1.0 | 38 |
| FFR 5702RR | 63.5 | . | . | 10-03 | 1.3 | 1.0 | 39 |
| DEKALB DKB57-51 | 63.3 | . | . | 10-02 | 2.0 | 1.0 | 35 |
| Dyna Gro 38K57 | 63.3 | . | . | 10-02 | 1.3 | 1.0 | 35 |
| Deltapine DP5806RR | 63.2 | 59.1 | 61.0 | 10-09 | 2.3 | 1.0 | 40 |
| Dyna Gro 33B52 | 63.1 | . | . | 9-29 | 1.0 | 1.0 | 33 |
| Progeny 5600 | 63.0 | 63.8 | 63.5 | 10-02 | 2.0 | 1.0 | 32 |
| Deltapine DP5634RR | 62.9 | . | . | 10-04 | 1.0 | 1.0 | 33 |
| ES XVT-41RR | 62.7 | . | . | 10-09 | 3.0 | 1.0 | 38 |
| Armor 56-C4 | 62.6 | 65.0 | . | 10-06 | 1.0 | 1.0 | 31 |
| 99VPI-120 | 62.6 | 59.9 | . | 10-03 | 1.0 | 1.0 | 34 |
| Terral TVX57R301 | 62.6 | . | . | 10-02 | 1.3 | 1.0 | 30 |
| PGY 5703RR | 62.5 | . | . | 10-03 | 1.3 | 1.0 | 35 |
| Morsoy RT5773 | 62.3 | . | . | 10-03 | 1.0 | 1.0 | 31 |
| Terral TVX59R201 | 62.0 | . | . | 10-09 | 2.3 | 1.0 | 41 |
| Delta King XTJ457 | 61.9 | . | . | 10-06 | 2.0 | 1.0 | 33 |
| Terral TVX58R2W1 | 61.8 | . | . | 10-09 | 2.3 | 1.0 | 41 |
| HBK R5823 | 61.7 | . | . | 10-07 | 1.3 | 1.0 | 38 |
| Terral TV59R98 | 61.5 | 59.9 | 60.9 | 10-09 | 2.0 | 1.0 | 41 |
| ASGROW AG5903 | 61.5 | 65.2 | . | 10-08 | 1.3 | 1.0 | 37 |
| Dyna Gro SX03157 | 59.9 | . | . | 10-02 | 1.0 | 1.0 | 31 |
| Terral TVX58R1V2 | 59.8 | . | . | 10-08 | 1.7 | 1.0 | 41 |
| HBK 5991 | 59.6 | 60.3 | 62.5 | 10-04 | 1.0 | 1.0 | 33 |
| Morsoy RT5620 | 58.9 | 60.1 | 62.1 | 10-04 | 1.0 | 1.0 | 36 |
| ASGROW AG5605 | 58.9 | . | . | 10-06 | 1.0 | 1.0 | 28 |
| R98-209 | 58.7 | . | . | 10-12 | 1.0 | 1.0 | 39 |
| Pioneer Brand 95B97 | 58.5 | 61.3 | 62.8 | 10-05 | 1.0 | 1.0 | 26 |
| Garst 5812RR/N | 57.9 | . | . | 10-07 | 1.3 | 1.0 | 37 |
| Terral TV56R11 | 57.7 | 58.0 | 58.3 | 10-08 | 1.0 | 1.0 | 38 |
| Delta King 5661RR | 57.2 | 56.9 | 58.5 | 10-07 | 1.0 | 1.0 | 24 |
| Dyna Gro 3562NRR | 57.1 | 58.2 | 60.3 | 10-05 | 1.0 | 1.0 | 32 |
| R00-53F | 57.1 | . | . | 9-29 | 1.0 | 1.0 | 32 |
| Caviness | 56.7 | 57.5 | 60.2 | 9-27 | 1.0 | 1.0 | 28 |
| Delta King 5668RR | 56.5 | 61.3 | 61.5 | 10-03 | 1.0 | 1.0 | 31 |

Table 11. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| Deltapine 4748S | 58.6 | 65.1 | 68.1 | 9-21 | 1.0 | 1.0 | 33 |
| HBK 4891 | 57.9 | 62.1 | 61.6 | 9-19 | 1.0 | 1.0 | 34 |
| Deltapine DP4724RR | 54.8 | . | . | 9-19 | 1.0 | 1.0 | 31 |
| Delta King 4763RR | 54.5 | 61.8 | 62.2 | 9-15 | 1.0 | 1.0 | 29 |
| DT98-7278 | 54.0 | 63.9 | . | 9-24 | 1.0 | 1.0 | 18 |
| Delta King XTJ447 | 53.8 | . | . | 9-18 | 1.0 | 1.0 | 32 |
| Deltapine DP 4690RR | 53.7 | 56.9 | 58.2 | 9-20 | 1.0 | 1.0 | 33 |
| Garst 4512RR/N | 53.3 | 60.4 | 58.8 | 9-16 | 1.0 | 1.0 | 30 |
| Delta King XTJ446 | 53.0 | . | . | 9-18 | 1.0 | 1.0 | 35 |
| Garst XR46Y02 | 52.3 | . | . | 9-19 | 1.0 | 1.0 | 32 |
| Deltapine DP4331RR | 52.1 | 59.1 | . | 9-16 | 1.0 | 1.0 | 28 |
| USG 7440nRR | 52.0 | . | . | 9-18 | 1.0 | 1.0 | 30 |
| ASGROW AG4403 | 51.7 | 58.4 | 60.4 | 9-16 | 1.0 | 1.0 | 30 |
| Morsoy RT4480 | 51.7 | 57.8 | . | 9-19 | 1.0 | 1.0 | 30 |
| Armor 44-R5 | 51.7 | 62.8 | . | 9-14 | 1.0 | 1.0 | 27 |
| Delta King XTJ402 | 51.5 | . | . | 9-14 | 1.0 | 1.0 | 29 |
| Delta King XTJ401 | 51.3 | . | . | 9-17 | 1.0 | 1.0 | 30 |
| DEKALB DKB46-51 | 50.9 | . | . | 9-16 | 1.0 | 1.0 | 26 |
| Armor 44-R4 | 50.4 | 55.4 | 59.1 | 9-17 | 1.0 | 1.0 | 27 |
| ASGROW AG4201 | 49.6 | 57.3 | . | 9-15 | 1.0 | 1.0 | 28 |
| Dyna Gro 3443NRR | 48.7 | 56.2 | 57.7 | 9-16 | 1.0 | 1.0 | 30 |
| Delta King 4461RR | 48.6 | 58.3 | 59.0 | 9-17 | 1.0 | 1.0 | 27 |
| Pioneer 94M70 | 48.5 | . | . | 9-17 | 1.0 | 1.0 | 27 |
| Progeny 4401RR | 48.4 | 55.1 | . | 9-17 | 1.0 | 1.0 | 30 |
| Golden Harvest 4534RR | 48.3 | 56.5 | . | 9-15 | 1.0 | 1.0 | 29 |
| ASGROW AG4502 | 48.3 | . | . | 9-13 | 1.0 | 1.0 | 23 |
| Armor 47-G7 | 48.2 | 58.6 | 59.5 | 9-14 | 1.0 | 1.0 | 26 |
| Pioneer 94B73 | 47.5 | 58.2 | . | 9-17 | 1.0 | 1.0 | 28 |
| Golden Harvest 4772RR | 47.2 | 57.7 | . | 9-15 | 1.0 | 1.0 | 26 |
| NK Brand S43-B1 | 47.2 | . | . | 9-14 | 1.0 | 1.0 | 28 |
| ASGROW AG4603 | 46.8 | 54.7 | . | 9-17 | 1.0 | 1.0 | 27 |
| DEKALB DKB44-51 | 46.8 | . | . | 9-15 | 1.0 | 1.0 | 26 |
| PGY 3900RR | 46.7 | . | . | 9-12 | 1.0 | 1.0 | 26 |
| Dyna Gro 3463NRR | 45.9 | . | . | 9-14 | 1.0 | 1.0 | 32 |
| Terral TV4890 RR | 45.1 | 50.7 | 49.8 | 9-14 | 1.0 | 1.0 | 33 |
| Terral TV4589RR | 44.3 | 52.9 | 55.2 | 9-13 | 1.0 | 1.0 | 27 |
| Deltapine DPX4446RR | 43.5 | . | . | 9-18 | 1.0 | 1.0 | 30 |
| Terral TVX47R1K2 | 41.2 | . | . | 9-22 | 1.0 | 1.0 | 32 |
| Southern States RT4502N | 40.1 | 49.9 | . | 9-18 | 1.0 | 1.0 | 34 |
| DEKALB DKB44-52 | 39.1 | . | . | 9-14 | 1.0 | 1.0 | 24 |
| Terral TVX47R2P1 | 39.1 | . | . | 9-21 | 1.0 | 1.0 | 32 |
| Grand mean | 49.2 | . | . | 9-17 | 1.0 | 1.0 | 29 |
| LSD (5%) | 6.3 | . | . | 2 | . | . | . |
| C.V. (%) | 7.8 | . | . | 2 | . | . | . |

Table 11. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | | |
| Delta King 4868RR | 59.2 | 64.2 | 64.3 | 9-18 | 1.0 | 1.0 | 33 |
| Morsoy RT4993 | 58.7 | . | . | 9-20 | 1.0 | 1.0 | 34 |
| DT97-4290 | 57.0 | . | . | 9-23 | 1.0 | 1.0 | 29 |
| Dyna Gro 3481NRR | 56.3 | . | . | 9-18 | 1.0 | 1.0 | 33 |
| Dyna Gro SX03149 | 55.9 | . | . | 9-21 | 1.0 | 1.0 | 35 |
| Progeny 4910 | 55.5 | 59.1 | 62.6 | 9-26 | 1.0 | 1.0 | 38 |
| PGY 4949RR | 55.4 | . | . | 9-26 | 1.0 | 1.0 | 34 |
| Morsoy RT4809 | 55.1 | 58.6 | 60.5 | 9-20 | 1.0 | 1.0 | 36 |
| Armor 49-P9 | 55.1 | . | . | 9-22 | 1.0 | 1.0 | 36 |
| Delta King XTJ448 | 54.7 | . | . | 9-22 | 1.0 | 1.0 | 40 |
| PGY 4860RR | 53.4 | . | . | 9-25 | 1.0 | 1.0 | 21 |
| R98-1817 | 52.5 | 62.8 | . | 9-26 | 1.0 | 1.0 | 21 |
| USG 7489RR | 52.3 | 58.0 | 56.1 | 9-23 | 1.0 | 1.0 | 33 |
| Morsoy RT4802 | 52.0 | 60.3 | . | 9-19 | 1.0 | 1.0 | 34 |
| Delta King XTJ403 | 52.0 | . | . | 9-19 | 1.0 | 1.0 | 29 |
| Progeny 4932RR | 51.5 | 51.5 | . | 9-22 | 1.0 | 1.0 | 36 |
| USG 7482nRR | 51.4 | . | . | 9-18 | 1.0 | 1.0 | 32 |
| Terral TVX49R1L2 | 51.2 | . | . | 9-21 | 1.0 | 1.0 | 40 |
| Southern States RT4930 | 51.0 | . | . | 9-25 | 1.0 | 1.0 | 24 |
| Terral TVX49R2Y4 | 50.9 | . | . | 9-22 | 1.0 | 1.0 | 38 |
| Southern States RT4902N | 50.2 | 54.1 | . | 9-22 | 1.0 | 1.0 | 35 |
| HBK R4920 | 50.1 | 56.5 | 58.2 | 9-22 | 1.0 | 1.0 | 31 |
| Delta King 4967RR | 50.0 | 58.2 | . | 9-19 | 1.0 | 1.0 | 33 |
| Terral TVX49R2Z1 | 49.9 | . | . | 9-23 | 1.0 | 1.0 | 37 |
| Garst XR48Y11 | 49.3 | . | . | 9-23 | 1.0 | 1.0 | 31 |
| Deltapine DP4933RR | 49.2 | 53.1 | . | 9-21 | 1.0 | 1.0 | 37 |
| Progeny 4884RR | 49.0 | . | . | 9-19 | 1.0 | 1.0 | 32 |
| Delta Grow 4960RR | 48.4 | . | . | 9-25 | 1.0 | 1.0 | 21 |
| Manokin | 48.1 | 53.3 | 53.9 | 9-25 | 1.0 | 1.0 | 22 |
| NK Brand S49-Q9 | 47.8 | 55.6 | . | 9-24 | 1.0 | 1.0 | 35 |
| HBK R4820 | 47.7 | 55.9 | . | 9-21 | 1.0 | 1.0 | 30 |
| Delta King XTJ450 | 47.2 | . | . | 9-26 | 1.0 | 1.0 | 29 |
| Delta Grow 4860RR | 46.9 | 56.9 | . | 9-19 | 1.0 | 1.0 | 31 |
| USG 7499nRR | 46.5 | 50.9 | . | 9-21 | 1.0 | 1.0 | 34 |
| Southern States RT517N | 46.4 | 60.2 | 55.6 | 9-25 | 1.0 | 1.0 | 23 |
| HBK R4922 | 45.7 | 53.4 | . | 9-22 | 1.0 | 1.0 | 35 |
| Southern States RT5001N | 45.6 | 49.0 | 50.0 | 9-26 | 1.0 | 1.0 | 26 |
| FFR 4922RR | 45.2 | . | . | 9-21 | 1.0 | 1.0 | 34 |
| Southern States RT4980 | 44.3 | 52.6 | 54.6 | 9-22 | 1.0 | 1.0 | 35 |
| MPV 4904nRR | 44.1 | . | . | 9-24 | 1.0 | 1.0 | 27 |
| Garst D484RR/N | 43.8 | 50.3 | . | 9-19 | 1.0 | 1.0 | 31 |
| DT98-9102 | 43.4 | 53.9 | . | 9-25 | 1.0 | 1.0 | 23 |
| HBK 4944CX | 42.9 | 50.0 | . | 9-20 | 1.0 | 1.0 | 40 |
| DT99-17145 | 40.3 | . | . | 9-26 | 1.0 | 1.0 | 17 |

Table 11. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u> | | | | | | | |
| ASGROW AG4902 | 40.2 | 49.8 | 51.3 | 9-16 | 1.0 | 1.0 | 34 |
| Terral TVX48R1U1 | 38.4 | . | . | 9-21 | 1.0 | 1.0 | 33 |
| Terral TV4886RR | 38.1 | 51.7 | 47.2 | 9-18 | 1.0 | 1.0 | 38 |
| DT99-17445 | 33.7 | . | . | 9-26 | 1.0 | 1.0 | 21 |
| DT99-17400 | 29.1 | . | . | 9-23 | 1.0 | 1.0 | 15 |
| Grand mean | 48.6 | . | . | 9-22 | 1.0 | 1.0 | 31 |
| LSD (5%) | 9.5 | . | . | 2 | . | . | . |
| C.V. (%) | 12.0 | . | . | 2 | . | . | . |
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | | |
| Ozark | 61.6 | 65.9 | 66.0 | 9-26 | 1.0 | 1.0 | 22 |
| Delta King XTJ404 | 61.3 | . | . | 10-02 | 1.0 | 1.0 | 32 |
| Anand | 61.1 | 69.5 | 67.5 | 10-01 | 1.0 | 1.0 | 22 |
| PGY 5503RR | 60.6 | . | . | 9-29 | 1.0 | 1.0 | 24 |
| DEKALB DKB53-51 | 60.2 | . | . | 9-27 | 1.0 | 1.0 | 24 |
| Delta King XTJ452 | 59.5 | . | . | 9-26 | 1.0 | 1.0 | 26 |
| R97-1634 | 58.9 | . | . | 10-03 | 1.0 | 1.0 | 23 |
| ASGROW AG5501 | 58.8 | 61.4 | 61.0 | 9-28 | 1.0 | 1.0 | 24 |
| USG 5002T | 58.7 | . | . | 9-27 | 1.0 | 1.0 | 17 |
| Terral TV52R301 | 58.4 | . | . | 9-28 | 1.0 | 1.0 | 20 |
| Delta Grow 5260RR | 57.7 | . | . | 9-26 | 1.0 | 1.0 | 24 |
| Progeny 5250RR | 57.5 | 61.9 | . | 9-25 | 1.0 | 1.0 | 19 |
| Croplan Genetics RC5555 | 57.4 | . | . | 9-28 | 1.0 | 1.0 | 29 |
| Delta King 5465RR | 57.2 | 62.7 | 60.8 | 9-28 | 1.0 | 1.0 | 25 |
| Hutcheson | 56.9 | 61.0 | 61.9 | 10-02 | 1.0 | 1.0 | 25 |
| Delta King 5366RR | 56.8 | 68.3 | 67.7 | 10-01 | 1.0 | 1.0 | 27 |
| Morsoy RT5252 | 56.6 | . | . | 9-26 | 1.0 | 1.0 | 21 |
| Armor 52-Q2 | 56.3 | . | . | 9-26 | 1.0 | 1.0 | 22 |
| ASGROW A5427 | 55.8 | . | . | 9-27 | 1.0 | 1.0 | 16 |
| Pioneer Brand 95B43 | 55.7 | 59.2 | . | 9-25 | 1.0 | 1.0 | 31 |
| V96-0340 | 55.5 | . | . | 9-27 | 1.0 | 1.0 | 22 |
| ES XVT-19RR | 55.1 | . | . | 10-02 | 1.0 | 1.0 | 29 |
| Armor 53-K3 | 54.8 | 58.1 | 55.7 | 10-02 | 1.0 | 1.0 | 23 |
| Garst 5212RR/N | 54.8 | 57.2 | . | 9-25 | 1.0 | 1.0 | 29 |
| MPV 5502NRR | 54.7 | 55.6 | . | 9-30 | 1.0 | 1.0 | 29 |
| S99-2447-02RR | 54.6 | . | . | 9-29 | 1.0 | 1.0 | 30 |
| USG 7553nRR | 54.6 | . | . | 9-30 | 1.0 | 1.0 | 21 |
| HBK R5123 | 54.4 | . | . | 9-26 | 2.0 | 1.0 | 40 |
| Golden Harvest 5492RR | 54.2 | 58.1 | . | 10-02 | 1.0 | 1.0 | 21 |
| Delta Grow 5460RR | 54.1 | . | . | 9-30 | 1.0 | 1.0 | 26 |
| ASGROW AG5301 | 53.8 | 60.7 | . | 9-26 | 1.0 | 1.0 | 25 |
| Deltapine DP5414RR | 53.6 | 61.9 | 60.1 | 9-30 | 1.0 | 1.0 | 33 |

Table 11. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003, Continued.

| Brand/Cultivar | 2003 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> | | | | | | | |
| Progeny 5415RR | 53.1 | . | . | 9-30 | 1.0 | 1.0 | 19 |
| MPV 5302NRR | 52.9 | 58.0 | . | 9-27 | 1.0 | 1.0 | 26 |
| N99-186 | 52.9 | . | . | 9-28 | 1.0 | 1.0 | 17 |
| Morsoy RT5440 | 52.8 | 62.7 | 64.6 | 9-29 | 1.0 | 1.0 | 15 |
| USG 540NRR | 52.8 | 63.4 | 61.0 | 9-27 | 1.0 | 1.0 | 24 |
| Dyna Gro 3535NRR | 52.7 | 65.0 | 65.9 | 9-29 | 1.0 | 1.0 | 19 |
| Morsoy RT5553 | 52.7 | . | . | 9-28 | 1.0 | 1.0 | 29 |
| MPV 5504nRR | 52.3 | . | . | 9-28 | 1.0 | 1.0 | 29 |
| R95-1705 | 52.2 | 54.2 | . | 9-30 | 1.0 | 1.0 | 26 |
| NK Brand S50-N3 | 52.2 | . | . | 9-25 | 1.0 | 1.0 | 36 |
| Delsoy 5500 | 52.0 | 54.9 | 56.0 | 9-26 | 1.0 | 1.0 | 26 |
| Croplan Genetics RC5332 | 51.9 | 59.8 | . | 9-28 | 1.0 | 1.0 | 24 |
| 99VPI-67 | 51.6 | 56.5 | . | 9-25 | 1.0 | 1.0 | 22 |
| Southern States RT5602 | 51.6 | . | . | 9-29 | 1.0 | 1.0 | 22 |
| USG 7524nRR | 51.5 | . | . | 9-29 | 2.0 | 1.0 | 38 |
| Southern States RT5302N | 51.3 | 58.8 | . | 9-27 | 1.0 | 1.0 | 27 |
| HBK R5422 | 51.3 | . | . | 9-27 | 1.0 | 1.0 | 22 |
| Pioneer Brand 95B32 | 51.1 | 56.1 | 56.5 | 9-27 | 1.0 | 1.0 | 19 |
| NK Brand S52-U3 | 51.0 | 59.1 | . | 9-28 | 1.0 | 1.0 | 22 |
| FFR 5225RR | 50.6 | 58.5 | . | 9-24 | 1.0 | 1.0 | 23 |
| Armor 52-C2 | 49.7 | 57.9 | 60.5 | 10-01 | 1.0 | 1.0 | 22 |
| Delta Grow 5250RR | 48.8 | 52.9 | 51.7 | 9-29 | 1.0 | 1.0 | 21 |
| Garst XR50N12 | 48.7 | . | . | 9-25 | 1.0 | 1.0 | 24 |
| FFR 5542RR | 48.6 | . | . | 9-28 | 1.0 | 1.0 | 22 |
| Pioneer Brand 95B42 | 48.2 | 56.6 | . | 9-28 | 1.0 | 1.0 | 24 |
| Terral TV54R11 | 47.4 | 54.8 | 56.0 | 9-30 | 1.0 | 1.0 | 18 |
| Southern States RT557N | 46.8 | 52.0 | 51.2 | 9-27 | 1.0 | 1.0 | 27 |
| Dyna Gro 3518NRR | 46.4 | 48.8 | 51.0 | 9-27 | 1.0 | 1.0 | 25 |
| Md 92-5769 | 45.7 | . | . | 9-30 | 1.0 | 1.0 | 17 |
| Dyna Gro SX03152 | 45.6 | . | . | 9-27 | 1.0 | 1.0 | 22 |
| Terral TV52R42 | 45.4 | 49.2 | 47.8 | 9-26 | 1.0 | 1.0 | 24 |
| Delta King XTJ405 | 45.4 | . | . | 9-27 | 1.0 | 1.0 | 21 |
| DT99-17483 | 43.9 | . | . | 9-28 | 1.0 | 1.0 | 21 |
| Delta King 5561RR | 43.4 | 51.1 | . | 9-25 | 1.0 | 1.0 | 22 |
| Dyna Gro 3521NRR | 40.5 | 48.1 | 49.4 | 9-27 | 1.0 | 1.0 | 21 |
| Grand mean | 53.1 | . | . | 9-28 | 1.0 | 1.0 | 24 |
| LSD (5%) | 8.3 | . | . | 3 | ns | . | . |
| C.V. (%) | 9.8 | . | . | 2 | . | . | . |

Table 11. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | | | | | | |
| Delta King XTJ407 | 63.8 | . | . | 10-06 | 1.0 | 1.0 | 27 |
| Morsoy RT5903 | 61.9 | . | . | 10-04 | 1.0 | 1.0 | 30 |
| Delta King 5995 | 61.6 | 65.3 | 65.1 | 10-02 | 1.0 | 1.0 | 26 |
| Terral TVX62R001 | 61.6 | 60.8 | . | 10-08 | 1.0 | 1.0 | 29 |
| USG 7582nRR | 61.5 | 67.1 | . | 10-05 | 1.0 | 1.0 | 26 |
| DT99-17531 | 61.2 | . | . | 10-01 | 1.0 | 1.0 | 24 |
| Terral TVX59R301 | 60.8 | . | . | 10-06 | 1.0 | 1.0 | 25 |
| Deltapine DP5915RR | 60.7 | 64.5 | 60.6 | 10-04 | 1.0 | 1.0 | 30 |
| Delta Grow 5630RR | 60.7 | 63.8 | 64.2 | 10-03 | 1.0 | 1.0 | 30 |
| Delta King 5668RR | 59.8 | 61.0 | 62.1 | 10-01 | 1.0 | 1.0 | 27 |
| Progeny 5822RR | 59.7 | 64.6 | . | 10-04 | 1.0 | 1.0 | 27 |
| Garst XR59N25 | 59.3 | . | . | 10-03 | 1.0 | 1.0 | 30 |
| Delta Grow 5960RR | 58.9 | 57.5 | . | 10-05 | 1.0 | 1.0 | 29 |
| ASGROW AG5605 | 58.4 | . | . | 10-01 | 1.0 | 1.0 | 23 |
| Croplan Genetics RC5972 | 58.1 | 63.0 | . | 10-05 | 1.0 | 1.0 | 26 |
| DT99-16864 | 58.0 | . | . | 10-06 | 1.0 | 1.0 | 21 |
| USG 5601T | 57.9 | 60.9 | . | 10-02 | 1.0 | 1.0 | 25 |
| Armor 58-V8 | 57.8 | . | . | 10-03 | 1.0 | 1.0 | 20 |
| Armor 56-J6 | 57.7 | 62.8 | 64.7 | 10-05 | 1.0 | 1.0 | 31 |
| Delta King 5767RR | 57.6 | 60.5 | . | 10-02 | 1.0 | 1.0 | 27 |
| Dyna Gro 33B52 | 57.6 | . | . | 9-28 | 1.0 | 1.0 | 22 |
| Delta King 5661RR | 57.5 | 61.8 | 61.8 | 10-02 | 1.0 | 1.0 | 29 |
| Garst 6112RR/N | 57.4 | . | . | 10-07 | 1.0 | 1.0 | 32 |
| Delta King XTJ457 | 57.4 | . | . | 9-30 | 1.0 | 1.0 | 27 |
| Progeny 5600 | 57.3 | 60.2 | 61.8 | 9-26 | 1.0 | 1.0 | 27 |
| R98-209 | 57.0 | . | . | 10-07 | 1.0 | 1.0 | 33 |
| HBK R5620 | 56.6 | 62.2 | 62.1 | 10-04 | 1.0 | 1.0 | 24 |
| HBK R6020 | 56.6 | 62.2 | 60.1 | 10-07 | 1.0 | 1.0 | 30 |
| Armor 56-C4 | 56.5 | 62.8 | . | 10-03 | 1.0 | 1.0 | 20 |
| Progeny 5660RR | 56.3 | 64.6 | 66.5 | 10-03 | 1.0 | 1.0 | 28 |
| Morsoy RT5620 | 56.3 | 63.0 | 63.2 | 9-30 | 1.0 | 1.0 | 24 |
| Deltapine DP5634RR | 56.3 | 60.2 | . | 10-02 | 1.0 | 1.0 | 25 |
| DEKALB DKB57-51 | 56.1 | . | . | 10-01 | 1.0 | 1.0 | 25 |
| Delta King XTJ4R58 | 55.9 | . | . | 10-02 | 1.0 | 1.0 | 24 |
| Garst XR57N20 | 55.9 | . | . | 10-01 | 1.0 | 1.0 | 29 |
| Terral TVX56R3K1 | 55.7 | . | . | 9-28 | 1.0 | 1.0 | 33 |
| Deltapine DP5806RR | 55.6 | 56.5 | 55.5 | 10-05 | 1.0 | 1.0 | 33 |
| Delta King 5967RR | 55.5 | 63.8 | . | 10-05 | 1.0 | 1.0 | 31 |
| Terral TV56R11 | 55.3 | 61.5 | 63.7 | 10-03 | 1.0 | 1.0 | 25 |
| ES XVT-46RR | 55.3 | . | . | 10-08 | 1.0 | 1.0 | 33 |
| HBK 5991 | 55.1 | 55.7 | 57.9 | 10-01 | 1.0 | 1.0 | 21 |
| Delta Grow 5650RR | 55.1 | . | . | 10-01 | 1.0 | 1.0 | 27 |
| Morsoy RT5773 | 55.1 | . | . | 10-02 | 1.0 | 1.0 | 27 |
| Southern States RT6202N | 54.9 | 57.8 | . | 10-08 | 1.0 | 1.0 | 31 |

Table 11. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| USG 570NRR | 54.7 | 59.8 | 61.0 | 10-03 | 1.0 | 1.0 | 31 |
| USG 7562nRR | 54.7 | . | . | 10-02 | 1.0 | 1.0 | 22 |
| NK Brand S57-P1 | 54.6 | . | . | 9-30 | 1.0 | 1.0 | 25 |
| Pioneer Brand 9594 | 54.2 | 57.2 | 61.7 | 10-02 | 1.0 | 1.0 | 27 |
| Delta King XTJ406 | 54.2 | . | . | 10-01 | 1.0 | 1.0 | 23 |
| Dyna Gro SX03157 | 54.2 | . | . | 9-28 | 1.0 | 1.0 | 25 |
| HBK 5592 | 54.1 | . | . | 10-02 | 1.0 | 1.0 | 34 |
| USG 7563nRR | 54.0 | . | . | 10-01 | 1.0 | 1.0 | 31 |
| Southern States RT5999N | 53.9 | 55.2 | 55.1 | 10-02 | 1.0 | 1.0 | 31 |
| ASGROW AG5701 | 53.6 | 58.7 | 59.5 | 10-02 | 1.0 | 1.0 | 24 |
| AGSE 587RR | 53.6 | . | . | 10-03 | 1.0 | 1.0 | 25 |
| ES XVT-41RR | 53.4 | . | . | 10-08 | 1.0 | 1.0 | 31 |
| Garst 5812RR/N | 53.3 | 54.0 | . | 10-02 | 1.0 | 1.0 | 33 |
| FFR 5702RR | 53.3 | . | . | 9-29 | 1.0 | 1.0 | 35 |
| PGY 5703RR | 53.1 | . | . | 10-01 | 1.0 | 1.0 | 24 |
| Terral TVX57R301 | 52.7 | . | . | 10-02 | 1.0 | 1.0 | 27 |
| Southern States RT5702N | 52.2 | 54.9 | . | 9-29 | 1.0 | 1.0 | 34 |
| Terral TV58R11 | 52.1 | 54.4 | 52.6 | 10-05 | 1.0 | 1.0 | 30 |
| Terral TVX57R2M1 | 52.1 | . | . | 9-27 | 1.0 | 1.0 | 30 |
| Terral TVX58R1V2 | 52.1 | . | . | 10-05 | 1.0 | 1.0 | 32 |
| Pioneer Brand 95B97 | 52.0 | 57.8 | 59.0 | 10-02 | 1.0 | 1.0 | 24 |
| Dyna Gro 3583NRR | 52.0 | 60.8 | . | 10-05 | 1.0 | 1.0 | 28 |
| Terral TVX59R201 | 51.9 | . | . | 10-04 | 1.0 | 1.0 | 31 |
| Dyna Gro 3562NRR | 51.7 | 58.9 | 60.8 | 10-01 | 1.0 | 1.0 | 25 |
| ASGROW AG5903 | 51.6 | 59.1 | . | 10-03 | 1.0 | 1.0 | 26 |
| Terral TVX58R2W1 | 51.5 | . | . | 10-05 | 1.0 | 1.0 | 32 |
| Pioneer Brand 95B96 | 51.3 | 55.6 | 59.2 | 10-02 | 1.0 | 1.0 | 28 |
| Terral TVX56R1B2 | 51.3 | . | . | 9-27 | 1.0 | 1.0 | 29 |
| Dyna Gro 38K57 | 51.0 | . | . | 10-02 | 1.0 | 1.0 | 28 |
| Armor AXR5881 | 49.9 | . | . | 9-30 | 1.0 | 1.0 | 23 |
| HBK R5823 | 49.6 | . | . | 10-02 | 1.0 | 1.0 | 30 |
| Terral TV59R98 | 47.0 | 51.0 | 45.6 | 10-04 | 1.0 | 1.0 | 28 |
| 99VPI-120 | 46.6 | 56.9 | . | 10-02 | 1.0 | 1.0 | 25 |
| Caviness | 46.4 | 53.9 | 55.9 | 9-26 | 1.0 | 1.0 | 26 |
| R00-53F | 45.6 | . | . | 9-27 | 1.0 | 1.0 | 20 |
| Freedom | 45.3 | 54.6 | 54.5 | 10-03 | 1.0 | 1.0 | 22 |
| DT98-11850 | 37.1 | . | . | 9-29 | 1.0 | 1.0 | 18 |
| DT99-17574 | 25.0 | . | . | 9-29 | 1.0 | 1.0 | 18 |
| Grand mean | 54.5 | . | . | 10-02 | 1.0 | 1.0 | 27 |
| LSD (5%) | 7.1 | . | . | 2 | . | . | . |
| C.V. (%) | 8.2 | . | . | 1 | . | . | . |

Table 12. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2003.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | | | | | | |
| Deltapine DP4724RR | 59.0 | . | . | 10-09 | 1.0 | 1.0 | 30 |
| Armor 44-R5 | 57.7 | . | . | 10-09 | 1.0 | 1.0 | 30 |
| Deltapine 4748S | 57.5 | 61.4 | 57.8 | 10-11 | 1.0 | 1.0 | 37 |
| DEKALB DKB44-52 | 56.4 | . | . | 10-05 | 1.0 | 1.0 | 31 |
| Dyna Gro 3463NRR | 56.3 | . | . | 10-06 | 1.0 | 1.0 | 36 |
| Delta King XTJ446 | 56.0 | . | . | 10-12 | 1.0 | 1.0 | 36 |
| ASGROW AG4201 | 55.3 | 56.7 | . | 10-06 | 1.0 | 1.0 | 28 |
| Delta King 4461RR | 54.8 | 54.3 | 50.8 | 10-07 | 1.0 | 1.0 | 30 |
| Delta King 4763RR | 54.1 | 58.6 | 55.2 | 10-10 | 1.0 | 1.0 | 31 |
| Deltapine DPX4446RR | 54.1 | . | . | 10-07 | 1.0 | 1.0 | 30 |
| Terral TV4589RR | 53.8 | 51.1 | 47.7 | 10-06 | 1.0 | 1.0 | 28 |
| Delta King XTJ402 | 53.6 | . | . | 10-09 | 1.0 | 1.0 | 28 |
| Armor 44-R4 | 53.2 | 51.6 | 50.1 | 10-04 | 1.0 | 1.0 | 28 |
| Southern States RT4502N | 53.2 | 55.6 | . | 10-07 | 1.0 | 1.0 | 35 |
| Dyna Gro 3443NRR | 52.9 | 51.2 | 49.6 | 10-11 | 1.0 | 1.0 | 29 |
| Delta King XTJ447 | 52.9 | . | . | 10-07 | 1.0 | 1.0 | 30 |
| DT98-7278 | 52.8 | . | . | 10-19 | 1.0 | 1.0 | 36 |
| DEKALB DKB46-51 | 52.3 | . | . | 10-09 | 1.0 | 1.0 | 28 |
| USG 7440nRR | 52.2 | . | . | 10-08 | 1.0 | 1.0 | 27 |
| Pioneer 94M70 | 52.0 | . | . | 10-04 | 1.0 | 1.0 | 34 |
| Deltapine DP 4690RR | 51.6 | 50.8 | 47.3 | 10-12 | 1.0 | 1.0 | 36 |
| Deltapine DP4331RR | 51.2 | . | . | 10-06 | 1.0 | 1.0 | 32 |
| DEKALB DKB44-51 | 51.2 | . | . | 10-07 | 1.0 | 1.0 | 26 |
| Terral TV4890 RR | 51.0 | 50.2 | 47.3 | 10-10 | 1.0 | 1.0 | 33 |
| Armor 47-G7 | 51.0 | 55.9 | 53.6 | 10-09 | 1.0 | 1.0 | 30 |
| HBK 4891 | 50.3 | 54.0 | 50.4 | 10-10 | 1.0 | 1.0 | 34 |
| Garst 4512RR/N | 50.2 | 49.7 | . | 10-11 | 1.0 | 1.0 | 28 |
| ASGROW AG4502 | 50.0 | . | . | 10-08 | 1.0 | 1.0 | 31 |
| Delta King XTJ401 | 50.0 | . | . | 10-08 | 1.0 | 1.0 | 32 |
| PGY 3900RR | 49.1 | . | . | 10-02 | 1.0 | 1.0 | 26 |
| ASGROW AG4403 | 49.0 | 49.8 | 48.6 | 10-05 | 1.0 | 1.0 | 32 |
| Progeny 4401RR | 48.2 | 47.1 | . | 10-06 | 1.0 | 1.0 | 27 |
| Terral TVX47R1K2 | 46.8 | . | . | 10-11 | 1.0 | 1.0 | 30 |
| Morsoy RT4480 | 46.4 | 49.5 | . | 10-11 | 1.0 | 1.0 | 25 |
| NK Brand S43-B1 | 45.9 | . | . | 10-02 | 1.0 | 1.0 | 30 |
| ASGROW AG4603 | 44.8 | 48.5 | . | 10-11 | 1.0 | 1.0 | 32 |
| Golden Harvest 4534RR | 44.6 | 44.2 | . | 10-05 | 1.0 | 1.0 | 28 |
| Golden Harvest 4772RR | 43.7 | 50.3 | . | 10-09 | 1.0 | 1.0 | 27 |
| Terral TVX47R2P1 | 41.0 | . | . | 10-12 | 1.0 | 1.0 | 28 |
| Pioneer 94B73 | 39.3 | 49.7 | . | 10-09 | 1.0 | 1.0 | 27 |
| Grand mean | 51.1 | . | . | 10-08 | 1.0 | 1.0 | 30 |
| LSD (5%) | 9.3 | . | . | ns | ns | ns | . |
| C.V. (%) | 11.2 | . | . | . | . | . | . |

Table 12. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|--|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | | | | | | |
| PGY 4949RR | 62.0 | . | . | 10-12 | 1.0 | 1.0 | 30 |
| Terral TVX49R2Z1 | 59.9 | . | . | 10-10 | 1.0 | 1.0 | 28 |
| Dyna Gro SX03149 | 59.2 | . | . | 10-11 | 1.0 | 1.0 | 30 |
| Armor 49-P9 | 55.9 | . | . | 10-11 | 1.0 | 1.0 | 36 |
| MPV 4904nRR | 53.6 | . | . | 10-12 | 1.0 | 1.0 | 27 |
| R98-1817 | 53.3 | 59.9 | . | 10-14 | 1.0 | 1.0 | 21 |
| Morsoy RT4809 | 52.5 | 57.0 | 50.0 | 10-11 | 1.0 | 1.0 | 33 |
| NK Brand S49-Q9 | 52.4 | 51.8 | . | 10-14 | 1.0 | 1.0 | 30 |
| DT98-9102 | 52.2 | . | . | 10-13 | 1.0 | 1.0 | 30 |
| Delta Grow 4960RR | 52.1 | . | . | 10-13 | 1.0 | 1.0 | 25 |
| Delta King 4868RR | 51.9 | 56.9 | 52.7 | 10-09 | 1.0 | 1.0 | 29 |
| Progeny 4910 | 51.7 | 52.4 | 50.3 | 10-11 | 1.0 | 1.0 | 30 |
| Delta King XTJ450 | 51.0 | . | . | 10-14 | 1.0 | 1.0 | 30 |
| HBK R4922 | 50.5 | 52.9 | . | 10-07 | 1.0 | 1.0 | 26 |
| Southern States RT5001N | 50.4 | 49.6 | 47.3 | 10-13 | 1.0 | 1.0 | 39 |
| Terral TVX49R1L2 | 50.0 | . | . | 10-11 | 1.0 | 1.0 | 28 |
| Southern States RT517N | 49.8 | 51.4 | 49.5 | 10-13 | 1.0 | 1.0 | 33 |
| USG 7489RR | 49.5 | 52.6 | 49.4 | 10-11 | 1.0 | 1.0 | 25 |
| Manokin | 49.1 | 48.5 | 47.5 | 10-12 | 1.0 | 1.0 | 24 |
| Morsoy RT4993 | 48.9 | . | . | 10-11 | 1.0 | 1.0 | 33 |
| HBK R4820 | 48.5 | 50.8 | . | 10-11 | 1.0 | 1.0 | 32 |
| Delta King XTJ448 | 47.9 | . | . | 10-14 | 1.0 | 1.0 | 38 |
| Morsoy RT4802 | 47.4 | 52.9 | . | 10-09 | 1.0 | 1.0 | 25 |
| Progeny 4884RR | 47.1 | . | . | 10-10 | 1.0 | 1.0 | 24 |
| ASGROW AG4902 | 46.8 | 49.1 | 46.3 | 10-09 | 1.0 | 1.0 | 33 |
| DT97-4290 | 46.7 | . | . | 10-07 | 1.0 | 1.0 | 37 |
| Progeny 4932RR | 46.3 | 49.4 | . | 10-09 | 1.0 | 1.0 | 23 |
| HBK R4920 | 46.1 | 47.8 | 45.5 | 10-12 | 1.0 | 1.0 | 27 |
| Terral TVX49R2Y4 | 46.1 | . | . | 10-10 | 1.0 | 1.0 | 32 |
| Garst D484RR/N | 45.8 | 49.6 | . | 10-10 | 1.0 | 1.0 | 30 |
| Deltapine DP4933RR | 45.8 | . | . | 10-09 | 1.0 | 1.0 | 34 |
| Dyna Gro 3481NRR | 45.4 | . | . | 10-10 | 1.0 | 1.0 | 26 |
| PGY 4860RR | 44.8 | . | . | 10-14 | 1.0 | 1.0 | 30 |
| Delta King 4967RR | 44.6 | 51.9 | . | 10-09 | 1.0 | 1.0 | 33 |
| Southern States RT4930 | 44.5 | . | . | 10-13 | 1.0 | 1.0 | 30 |
| USG 7499nRR | 44.4 | 50.5 | . | 10-07 | 1.0 | 1.0 | 34 |
| Delta King XTJ403 | 44.2 | . | . | 10-08 | 1.0 | 1.0 | 29 |
| USG 7482nRR | 43.8 | . | . | 10-09 | 1.0 | 1.0 | 23 |
| Southern States RT4902N | 43.2 | 47.1 | . | 10-11 | 1.0 | 1.0 | 35 |
| HBK 4944CX | 42.4 | 45.3 | . | 10-08 | 1.0 | 1.0 | 31 |
| Terral TV4886RR | 42.0 | 46.4 | 45.0 | 10-10 | 1.0 | 1.0 | 33 |
| Southern States RT4980 | 41.8 | 46.7 | 44.9 | 10-11 | 1.0 | 1.0 | 32 |
| FFR 4922RR | 41.4 | . | . | 10-08 | 1.0 | 1.0 | 33 |
| Terral TVX48R1U1 | 38.5 | . | . | 10-11 | 1.0 | 1.0 | 32 |

| | | | | | | | |
|-------------------|------|------|---|-------|-----|-----|----|
| Delta Grow 4860RR | 33.7 | 43.8 | . | 10-04 | 1.0 | 1.0 | 32 |
| Grand mean | 48.1 | . | . | 10-11 | 1.0 | 1.0 | 30 |
| LSD (5%) | 9.7 | . | . | ns | ns | ns | . |
| C.V. (%) | 12.4 | . | . | . | . | . | . |

Table 12. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | | | | | | |
| ASGROW A5427 | 70.0 | . | . | 10-16 | 1.0 | 1.0 | 31 |
| V96-0340 | 67.0 | . | . | 10-15 | 1.0 | 1.0 | 33 |
| Ozark | 66.0 | 59.4 | . | 10-16 | 1.0 | 1.0 | 35 |
| Delta King 5366RR | 65.3 | 58.0 | . | 10-19 | 2.0 | 1.0 | 33 |
| Delta King XTJ452 | 65.0 | . | . | 10-19 | 2.0 | 1.0 | 37 |
| Armor 52-Q2 | 64.9 | . | . | 10-14 | 1.0 | 1.0 | 31 |
| Anand | 64.5 | 55.1 | . | 10-20 | 1.0 | 1.0 | 28 |
| FFR 5542RR | 63.4 | . | . | 10-22 | 2.3 | 1.0 | 38 |
| Delta Grow 5460RR | 63.3 | . | . | 10-13 | 1.0 | 1.0 | 33 |
| USG 7524nRR | 63.0 | . | . | 10-14 | 1.0 | 1.0 | 38 |
| HBK R5422 | 62.8 | . | . | 10-14 | 1.0 | 1.0 | 37 |
| R97-1634 | 62.7 | . | . | 10-21 | 1.0 | 1.0 | 32 |
| ASGROW AG5501 | 62.0 | 55.1 | . | 10-22 | 1.0 | 1.0 | 33 |
| ES XVT-19RR | 60.9 | . | . | 10-21 | 2.0 | 1.0 | 38 |
| DEKALB DKB53-51 | 60.9 | . | . | 10-18 | 1.0 | 1.0 | 32 |
| USG 5002T | 60.8 | . | . | 10-14 | 1.0 | 1.0 | 31 |
| USG 7553nRR | 60.6 | . | . | 10-13 | 1.0 | 1.0 | 37 |
| MPV 5502NRR | 60.5 | . | . | 10-17 | 1.0 | 1.0 | 33 |
| Delta King XTJ404 | 60.4 | . | . | 10-16 | 1.0 | 1.0 | 34 |
| S99-2447-02RR | 60.3 | . | . | 10-17 | 1.0 | 1.0 | 34 |
| Deltapine DP5414RR | 60.2 | 49.7 | . | 10-18 | 2.0 | 1.0 | 42 |
| Southern States RT5602 | 59.7 | . | . | 10-20 | 1.0 | 1.0 | 35 |
| Southern States RT5302N | 59.5 | . | . | 10-14 | 1.0 | 1.0 | 36 |
| Pioneer Brand 95B43 | 59.0 | . | . | 10-17 | 1.0 | 1.0 | 38 |
| FFR 5225RR | 58.7 | . | . | 10-16 | 2.0 | 1.0 | 38 |
| Hutcheson | 58.6 | 51.9 | . | 10-17 | 1.0 | 1.0 | 32 |
| Dyna Gro 3518NRR | 58.6 | 51.5 | . | 10-15 | 2.0 | 1.0 | 43 |
| ASGROW AG5301 | 58.5 | . | . | 10-13 | 1.0 | 1.0 | 38 |
| Delta Grow 5260RR | 58.2 | . | . | 10-18 | 1.0 | 1.0 | 31 |
| MPV 5504nRR | 58.2 | . | . | 10-16 | 1.0 | 1.0 | 34 |
| Delta King 5465RR | 58.0 | 54.3 | . | 10-16 | 1.0 | 1.0 | 32 |
| 99VPI-67 | 58.0 | . | . | 10-19 | 2.0 | 1.0 | 34 |
| MPV 5302NRR | 57.8 | . | . | 10-18 | 1.0 | 1.0 | 36 |
| Morsoy RT5553 | 57.8 | . | . | 10-20 | 2.0 | 1.0 | 44 |
| Morsoy RT5440 | 57.7 | 51.4 | . | 10-17 | 1.0 | 1.0 | 33 |
| Progeny 5250RR | 57.2 | . | . | 10-17 | 2.0 | 1.0 | 31 |
| Armor 52-C2 | 57.0 | 52.2 | . | 10-18 | 1.0 | 1.0 | 36 |
| Delta King 5561RR | 56.8 | . | . | 10-16 | 1.0 | 1.0 | 36 |
| Croplan Genetics RC5555 | 56.8 | . | . | 10-18 | 2.0 | 1.0 | 40 |
| PGY 5503RR | 56.7 | . | . | 10-20 | 1.0 | 1.0 | 31 |
| NK Brand S52-U3 | 56.2 | . | . | 10-16 | 1.0 | 1.0 | 31 |
| Golden Harvest 5492RR | 56.1 | . | . | 10-15 | 1.0 | 1.0 | 30 |
| Dyna Gro 3535NRR | 55.9 | 51.3 | . | 10-17 | 1.0 | 1.0 | 37 |
| Morsoy RT5252 | 55.6 | . | . | 10-17 | 1.0 | 1.0 | 32 |

Table 12. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 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> | | | | | | | |
| Croplan Genetics RC5332 | 55.4 | . | . | 10-15 | 1.0 | 1.0 | 35 |
| Delta Grow 525ORR | 55.3 | 52.7 | . | 10-14 | 1.0 | 1.0 | 33 |
| Delsoy 5500 | 54.7 | 51.6 | . | 10-16 | 1.0 | 1.0 | 31 |
| HBK R5123 | 54.6 | . | . | 10-17 | 1.0 | 1.0 | 40 |
| Terral TV52R301 | 54.3 | . | . | 10-18 | 1.0 | 1.0 | 35 |
| Terral TV54R11 | 54.1 | 50.5 | . | 10-16 | 1.0 | 1.0 | 33 |
| Pioneer Brand 95B42 | 53.5 | . | . | 10-17 | 1.0 | 1.0 | 34 |
| Dyna Gro SX03152 | 53.5 | . | . | 10-14 | 1.0 | 1.0 | 34 |
| USG 540NRR | 53.4 | 51.5 | . | 10-12 | 1.0 | 1.0 | 29 |
| NK Brand S50-N3 | 53.4 | . | . | 10-14 | 1.0 | 1.0 | 33 |
| Armor 53-K3 | 53.1 | 50.5 | . | 10-16 | 1.7 | 1.0 | 38 |
| Delta King XTJ405 | 52.8 | . | . | 10-17 | 1.0 | 1.0 | 30 |
| Pioneer Brand 95B32 | 52.7 | 51.2 | . | 10-19 | 1.0 | 1.0 | 26 |
| Terral TV52R42 | 52.7 | 47.9 | . | 10-15 | 1.0 | 1.0 | 38 |
| Md 92-5769 | 52.4 | . | . | 10-18 | 1.0 | 1.0 | 27 |
| Progeny 5415RR | 51.7 | . | . | 10-21 | 1.0 | 1.0 | 36 |
| R95-1705 | 51.4 | . | . | 10-19 | 1.0 | 1.0 | 31 |
| Southern States RT557N | 50.0 | 46.5 | . | 10-17 | 2.0 | 1.0 | 31 |
| Dyna Gro 3521NRR | 47.5 | 47.0 | . | 10-18 | 1.0 | 1.0 | 34 |
| Grand mean | 58.1 | . | . | 10-17 | 1.2 | 1.0 | 34 |
| LSD (5%) | 6.5 | . | . | ns | 0.3 | ns | . |
| C.V. (%) | 7.0 | . | . | . | 13.5 | . | . |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | | | | | | |
| Dyna Gro 3583NRR | 73.9 | 65.4 | . | 10-24 | 1.0 | 1.0 | 31 |
| Croplan Genetics RC5972 | 72.1 | . | . | 10-22 | 1.0 | 1.0 | 32 |
| Progeny 5822RR | 72.1 | 65.0 | . | 10-23 | 1.0 | 1.0 | 35 |
| Morsoy RT5903 | 71.1 | . | . | 10-23 | 1.0 | 1.0 | 35 |
| Garst 6112RR/N | 70.3 | . | . | 10-25 | 1.0 | 1.0 | 33 |
| Delta King XTJ406 | 70.1 | . | . | 10-23 | 1.0 | 1.0 | 36 |
| Terral TVX62R001 | 70.0 | 64.1 | . | 10-27 | 1.0 | 1.0 | 40 |
| DEKALB DKB57-51 | 69.8 | . | . | 10-19 | 1.0 | 1.0 | 31 |
| Dyna Gro 38K57 | 69.6 | . | . | 10-22 | 1.0 | 1.0 | 33 |
| R98-209 | 69.3 | . | . | 10-25 | 1.0 | 1.0 | 34 |
| ES XVT-41RR | 69.1 | . | . | 10-26 | 2.0 | 1.0 | 42 |
| ASGROW AG5701 | 69.0 | 64.4 | 57.7 | 10-21 | 1.0 | 1.0 | 36 |
| Morsoy RT5620 | 68.9 | 63.0 | 56.8 | 10-25 | 1.0 | 1.0 | 36 |
| Delta King 5967RR | 68.6 | 65.2 | . | 10-20 | 1.0 | 1.0 | 30 |
| Delta King 5767RR | 68.4 | 61.0 | . | 10-20 | 1.0 | 1.0 | 36 |
| ASGROW AG5903 | 68.1 | 61.9 | . | 10-21 | 2.0 | 1.0 | 40 |
| ASGROW AG5605 | 68.1 | . | . | 10-18 | 1.0 | 1.0 | 35 |
| USG 7582nRR | 67.5 | 66.0 | . | 10-18 | 1.0 | 1.0 | 36 |

Table 12. Performance of Irrigated Soybean Cultivars in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2003, Continued.

| Brand/Cultivar | 2003 bu/A | 2-Year Avg. | 3-Year Avg. | Maturity Date | Lodging Score | Shatter Score | Plant Ht(in) |
|---|--------------|----------------|----------------|------------------|------------------|------------------|-----------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | | | | | | |
| Delta Grow 5650RR | 67.3 | . | . | 10-20 | 1.0 | 1.0 | 34 |
| Dyna Gro 33B52 | 67.3 | . | . | 10-20 | 1.0 | 1.0 | 36 |
| Morsoy RT5773 | 67.1 | . | . | 10-22 | 1.0 | 1.0 | 38 |
| Terral TV58R11 | 67.0 | 63.4 | 55.6 | 10-23 | 1.0 | 1.0 | 39 |
| Terral TVX57R301 | 67.0 | . | . | 10-21 | 2.0 | 1.0 | 35 |
| USG 570NRR | 66.9 | 66.0 | 57.8 | 10-21 | 1.0 | 1.0 | 36 |
| Armor 58-V8 | 66.9 | . | . | 10-24 | 1.0 | 1.0 | 35 |
| HBK 5592 | 66.4 | . | . | 10-20 | 2.0 | 1.0 | 36 |
| Progeny 5600 | 66.0 | 60.9 | 53.4 | 10-18 | 2.0 | 1.0 | 32 |
| Armor 56-C4 | 65.9 | 63.4 | . | 10-20 | 1.0 | 1.0 | 36 |
| Delta Grow 5960RR | 65.7 | 62.4 | . | 10-22 | 1.0 | 1.0 | 30 |
| Terral TVX59R301 | 65.6 | . | . | 10-22 | 1.0 | 1.0 | 35 |
| Pioneer Brand 9594 | 65.3 | 64.7 | 57.0 | 10-20 | 3.0 | 1.0 | 39 |
| PGY 5703RR | 65.3 | . | . | 10-22 | 1.0 | 1.0 | 40 |
| Deltapine DP5634RR | 65.2 | . | . | 10-18 | 1.0 | 1.0 | 34 |
| Delta King 5661RR | 64.7 | 63.1 | 57.4 | 10-20 | 1.0 | 1.0 | 38 |
| Terral TV56R11 | 64.4 | 61.4 | 57.0 | 10-21 | 1.0 | 1.0 | 34 |
| USG 5601T | 64.2 | 62.9 | . | 10-18 | 1.0 | 1.0 | 33 |
| Delta King XTJ457 | 64.1 | . | . | 10-21 | 2.0 | 1.0 | 35 |
| HBK R5620 | 64.0 | 66.5 | 60.0 | 10-21 | 1.0 | 1.0 | 34 |
| Delta Grow 5630RR | 63.6 | 52.7 | 49.6 | 10-22 | 1.0 | 1.0 | 34 |
| Pioneer Brand 95B97 | 62.9 | 58.3 | 53.8 | 10-19 | 1.0 | 1.0 | 34 |
| USG 7562nRR | 62.7 | . | . | 10-20 | 1.0 | 1.0 | 34 |
| USG 7563nRR | 62.6 | . | . | 10-20 | 1.0 | 1.0 | 35 |
| Delta King XTJ4R58 | 62.4 | . | . | 10-23 | 3.0 | 1.0 | 37 |
| ES XVT-46RR | 62.3 | . | . | 10-24 | 1.0 | 1.0 | 35 |
| Deltapine DP5806RR | 62.2 | 56.7 | 52.1 | 10-22 | 3.0 | 1.0 | 36 |
| NK Brand S57-P1 | 61.9 | . | . | 10-17 | 1.0 | 1.0 | 34 |
| Progeny 5660RR | 61.7 | 61.2 | 56.1 | 10-21 | 1.0 | 1.0 | 31 |
| Terral TVX58R2W1 | 61.7 | . | . | 10-21 | 1.0 | 1.0 | 40 |
| Delta King XTJ407 | 61.6 | . | . | 10-22 | 1.0 | 1.0 | 36 |
| Dyna Gro 3562NRR | 61.0 | 61.1 | 56.4 | 10-23 | 1.0 | 1.0 | 35 |
| AGSE 587RR | 61.0 | . | . | 10-21 | 3.0 | 1.0 | 39 |
| Terral TVX57R2M1 | 60.6 | . | . | 10-19 | 1.0 | 1.0 | 42 |
| Delta King 5995 | 60.3 | 62.4 | 56.5 | 10-21 | 1.0 | 1.0 | 29 |
| Armor 56-J6 | 60.2 | 55.4 | 53.0 | 10-22 | 1.0 | 1.0 | 37 |
| Terral TVX56R1B2 | 60.1 | . | . | 10-17 | 1.0 | 1.0 | 33 |
| Terral TVX58R1V2 | 60.0 | . | . | 10-19 | 1.0 | 1.0 | 41 |
| Terral TVX59R201 | 60.0 | . | . | 10-22 | 1.0 | 1.0 | 36 |
| Caviness | 57.7 | 56.8 | 52.0 | 10-20 | 1.0 | 1.0 | 31 |
| Pioneer Brand 95B96 | 57.6 | 57.0 | 51.0 | 10-23 | 1.0 | 1.0 | 40 |
| Dyna Gro SX03157 | 57.6 | . | . | 10-17 | 1.0 | 1.0 | 33 |
| FFR 5702RR | 57.1 | . | . | 10-18 | 1.0 | 1.0 | 41 |
| Terral TVX56R3K1 | 57.1 | . | . | 10-17 | 1.0 | 1.0 | 35 |

Table 13. Tolerance of Soybean Cultivars to Propanil Drift, 2003¹.

| Brand/Cultivar | 8 DAA ² |
|--|--------------------|
| | % injury |
| <u>Early Planted Cultivars</u> | |
| Armor 39-E9 | 23 |
| ASGROW AG3702 | 23 |
| ASGROW AG3905 | 25 |
| Croplan Genetics RC4842 | 22 |
| Croplan Genetics RC4992 | 22 |
| Delta King 3961RR | 20 |
| Delta King 3968RR | 25 |
| Delta King XTJ439 | 25 |
| Delta King XTJ450 | 32 |
| Deltapine DP3861RR | 22 |
| Deltapine DPX3940RR | 28 |
| ES XVT-17RR | 20 |
| Genesis C444RR | 20 |
| Genesis D421RR | 23 |
| Genesis D484RR | 20 |
| Genesis D491RR | 20 |
| Genesis D524RR | 23 |
| HBK R4623 | 22 |
| Maverick | 18 |
| NK Brand S37-N4 | 22 |
| PGY 4703RR | 22 |
| PGY 5250RR | 23 |
| Pioneer Brand 93B68 | 27 |
| Pioneer Brand 94B13 | 23 |
| Pioneer Brand 94B54 | 22 |
| Terral TVX39R302 | 27 |
| Terral TVX39RS301 | 23 |
| Grand mean | 23 |
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | |
| Armor 44-R4 | 17 |
| Armor 44-R5 | 20 |
| Armor 47-G7 | 22 |
| ASGROW AG4201 | 20 |
| ASGROW AG4403 | 20 |
| ASGROW AG4502 | 17 |
| ASGROW AG4603 | 20 |
| DEKALB DKB44-51 | 17 |
| DEKALB DKB44-52 | 23 |
| DEKALB DKB46-51 | 17 |
| Delta King 4461RR | 18 |
| Delta King 4763RR | 20 |

Table 13. Tolerance of Soybean Cultivars to Propanil Drift, 2003¹, Continued.

| Brand/Cultivar | 8 DAA ² |
|--|--------------------|
| | % injury |
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u> | |
| Delta King XTJ401 | 18 |
| Delta King XTJ402 | 22 |
| Delta King XTJ446 | 20 |
| Delta King XTJ447 | 18 |
| Deltapine 4748S | 18 |
| Deltapine DP 4690RR | 18 |
| Deltapine DP4331RR | 18 |
| Deltapine DP4724RR | 20 |
| Deltapine DPX4446RR | 15 |
| DT98-7278 | 28 |
| Dyna Gro 3443NRR | 17 |
| Dyna Gro 3463NRR | 15 |
| Garst 4512RR/N | 17 |
| Garst XR46Y02 | 13 |
| Golden Harvest 4534RR | 20 |
| Golden Harvest 4772RR | 18 |
| HBK 4891 | 15 |
| Morsoy RT4480 | 18 |
| NK Brand S43-B1 | 23 |
| PGY 3900RR | 18 |
| Pioneer 94B73 | 23 |
| Pioneer 94M70 | 15 |
| Progeny 4401RR | 18 |
| Southern States RT4502N | 18 |
| Terral TV4589RR | 17 |
| Terral TV4890 RR | 17 |
| Terral TVX47R1K2 | 20 |
| Terral TVX47R2P1 | 22 |
| USG 7440nRR | 18 |
| Grand mean | 19 |

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

| | |
|--------------------|----|
| Armor 49-P9 | 20 |
| ASGROW AG4902 | 20 |
| Delta Grow 4860RR | 22 |
| Delta Grow 4960RR | 32 |
| Delta King 4868RR | 27 |
| Delta King 4967RR | 20 |
| Delta King XTJ403 | 22 |
| Delta King XTJ448 | 20 |
| Delta King XTJ450 | 25 |
| Deltapine DP4933RR | 18 |

Table 13. Tolerance of Soybean Cultivars to Propanil Drift, 2003¹, Continued.

| Brand/Cultivar | 8 DAA ² |
|--|--------------------|
| | % injury |
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u> | |
| DT97-4290 | 22 |
| DT98-9102 | 23 |
| DT99-17145 | 37 |
| DT99-17400 | 38 |
| DT99-17445 | 37 |
| Dyna Gro 3481NRR | 15 |
| Dyna Gro SX03149 | 15 |
| FFR 4922RR | 20 |
| Garst D484RR/N | 17 |
| Garst XR48Y11 | 27 |
| HBK 4944CX | 22 |
| HBK R4820 | 18 |
| HBK R4920 | 18 |
| HBK R4922 | 20 |
| Manokin | 18 |
| Morsoy RT4802 | 23 |
| Morsoy RT4809 | 22 |
| Morsoy RT4993 | 17 |
| MPV 4904nRR | 18 |
| NK Brand S49-Q9 | 23 |
| PGY 4860RR | 28 |
| PGY 4949RR | 22 |
| Progeny 4884RR | 25 |
| Progeny 4910 | 20 |
| Progeny 4932RR | 20 |
| R98-1817 | 22 |
| Southern States RT4902N | 18 |
| Southern States RT4930 | 32 |
| Southern States RT4980 | 20 |
| Southern States RT5001N | 17 |
| Southern States RT517N | 35 |
| Terral TV4886RR | 15 |
| Terral TVX48R1U1 | 18 |
| Terral TVX49R1L2 | 18 |
| Terral TVX49R2Y4 | 20 |
| Terral TVX49R2Z1 | 18 |
| USG 7482nRR | 22 |
| USG 7489RR | 17 |
| USG 7499nRR | 20 |
| Grand mean | 22 |

**Table 13. Tolerance of Soybean Cultivars to Propanil Drift, 2003¹,
Continued.**

| Brand/Cultivar | 8 DAA ² % injury |
|---|--------------------------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | |
| 99VPI-67 | 38 |
| Anand | 25 |
| Armor 52-C2 | 42 |
| Armor 52-Q2 | 23 |
| Armor 53-K3 | 20 |
| ASGROW A5427 | 22 |
| ASGROW AG5301 | 20 |
| ASGROW AG5501 | 22 |
| Croplan Genetics RC5332 | 25 |
| Croplan Genetics RC5555 | 23 |
| DEKALB DKB53-51 | 18 |
| Delsoy 5500 | 30 |
| Delta Grow 5250RR | 32 |
| Delta Grow 5260RR | 23 |
| Delta Grow 5460RR | 23 |
| Delta King 5366RR | 23 |
| Delta King 5465RR | 30 |
| Delta King 5561RR | 33 |
| Delta King XTJ404 | 25 |
| Delta King XTJ405 | 30 |
| Delta King XTJ452 | 27 |
| Deltapine DP5414RR | 22 |
| DT99-17483 | 47 |
| Dyna Gro 3518NRR | 17 |
| Dyna Gro 3521NRR | 32 |
| Dyna Gro 3535NRR | 23 |
| Dyna Gro SX03152 | 20 |
| ES XVT-19RR | 30 |
| FFR 5225RR | 22 |
| FFR 5542RR | 18 |
| Garst 5212RR/N | 27 |
| Garst XR50N12 | 37 |
| Golden Harvest 5492RR | 23 |
| HBK R5123 | 27 |
| HBK R5422 | 27 |
| Hutcheson | 35 |
| Md 92-5769 | 30 |
| Morsoy RT5252 | 25 |
| Morsoy RT5440 | 22 |
| Morsoy RT5553 | 22 |
| MPV 5302NRR | 27 |
| MPV 5502NRR | 23 |
| MPV 5504nRR | 23 |
| N99-186 | 20 |

Table 13. Tolerance of Soybean Cultivars to Propanil Drift, 2003¹, Continued.

| Brand/Cultivar | 8 DAA ² |
|---|--------------------|
| | % injury |
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u> | |
| NK Brand S50-N3 | 22 |
| NK Brand S52-U3 | 28 |
| Ozark | 25 |
| PGY 5503RR | 25 |
| Pioneer Brand 95B32 | 28 |
| Pioneer Brand 95B42 | 33 |
| Pioneer Brand 95B43 | 35 |
| Progeny 5250RR | 22 |
| Progeny 5415RR | 25 |
| R95-1705 | 30 |
| R97-1634 | 22 |
| S99-2447-02RR | 27 |
| Southern States RT5302N | 22 |
| Southern States RT557N | 33 |
| Southern States RT5602 | 25 |
| Terral TV52R301 | 23 |
| Terral TV52R42 | 22 |
| Terral TV54R11 | 25 |
| USG 5002T | 20 |
| USG 540NRR | 22 |
| USG 7524nRR | 30 |
| USG 7553nRR | 22 |
| V96-0340 | 25 |
| Grand mean | 26 |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | |
| 99VPI-120 | 28 |
| AGSE 587RR | 22 |
| Aarmor 56-C4 | 30 |
| Aarmor 56-J6 | 28 |
| Aarmor 58-V8 | 28 |
| Aarmor AXR5881 | 23 |
| ASGROW AG5605 | 25 |
| ASGROW AG5701 | 22 |
| ASGROW AG5903 | 25 |
| Caviness | 35 |
| Croplan Genetics RC5972 | 23 |
| DEKALB DKB57-51 | 25 |
| Delta Grow 5630RR | 25 |
| Delta Grow 5650RR | 23 |
| Delta Grow 5960RR | 27 |
| Delta King 5661RR | 23 |

Table 13. Tolerance of Soybean Cultivars to Propanil Drift, 2003¹, Continued.

| Brand/Cultivar | 8 DAA ² |
|---|--------------------|
| | % injury |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | |
| Delta King 5668RR | 30 |
| Delta King 5767RR | 22 |
| Delta King 5967RR | 27 |
| Delta King 5995 | 27 |
| Delta King XTJ406 | 27 |
| Delta King XTJ407 | 25 |
| Delta King XTJ457 | 25 |
| Delta King XTJ4R58 | 22 |
| Deltapine DP5634RR | 20 |
| Deltapine DP5806RR | 28 |
| Deltapine DP5915RR | 22 |
| DT98-11850 | 28 |
| DT99-16864 | 32 |
| DT99-17531 | 32 |
| DT99-17574 | 53 |
| Dyna Gro 33B52 | 32 |
| Dyna Gro 3562NRR | 38 |
| Dyna Gro 3583NRR | 30 |
| Dyna Gro 38K57 | 25 |
| Dyna Gro SX03157 | 30 |
| ES XVT-41RR | 25 |
| ES XVT-46RR | 27 |
| FFR 5702RR | 25 |
| Freedom | 42 |
| Garst 5812RR/N | 23 |
| Garst 6112RR/N | 30 |
| Garst XR57N20 | 25 |
| Garst XR59N25 | 27 |
| HBK 5592 | 30 |
| HBK 5991 | 23 |
| HBK R5620 | 23 |
| HBK R5823 | 25 |
| HBK R6020 | 28 |
| Morsoy RT5620 | 27 |
| Morsoy RT5773 | 25 |
| Morsoy RT5903 | 23 |
| NK Brand S57-P1 | 28 |
| PGY 5703RR | 30 |
| Pioneer Brand 9594 | 22 |
| Pioneer Brand 95B96 | 22 |
| Pioneer Brand 95B97 | 25 |
| Progeny 5600 | 23 |
| Progeny 5660RR | 25 |
| Progeny 5822RR | 23 |

Table 13. Tolerance of Soybean Cultivars to Propanil Drift, 2003¹, Continued.

| Brand/Cultivar | 8 DAA ² |
|---|--------------------|
| | % injury |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | |
| R00-53F | 28 |
| R98-209 | 27 |
| Southern States RT5702N | 25 |
| Southern States RT5999N | 23 |
| Southern States RT6202N | 23 |
| Terral TV56R11 | 25 |
| Terral TV58R11 | 35 |
| Terral TV59R98 | 25 |
| Terral TVX56R1B2 | 20 |
| Terral TVX56R3K1 | 22 |
| Terral TVX57R2M1 | 20 |
| Terral TVX57R301 | 27 |
| Terral TVX58R1V2 | 25 |
| Terral TVX58R2W1 | 25 |
| Terral TVX59R201 | 27 |
| Terral TVX59R301 | 20 |
| Terral TVX62R001 | 27 |
| USG 5601T | 25 |
| USG 570NRR | 27 |
| USG 7562nRR | 27 |
| USG 7563nRR | 25 |
| USG 7582nRR | 25 |
| Grand mean | 26 |

¹ Propanil was applied at 0.25X rate when plants were in the V4 to V5 growth stage to simulate drift from rice fields. A second rating was taken at 22 days after application, but were found to be negligible.

² 8DAA represent ratings eight days after propanil application. Ratings by Ms. Marilyn McClelland.

Table 14. Results of Greenhouse Tests for Soil Chloride Reaction, 2003¹.

| Brand/Cultivar | Number of Excluders | Number of Includers |
|--|---------------------|---------------------|
| <u>Early Planted Cultivars</u> | | |
| Armor 39-E9 | 5 | 0 |
| ASGROW AG3702 | 0 | 5 |
| ASGROW AG3905 | 0 | 5 |
| Croplan Genetics RC4842 | 0 | 5 |
| Croplan Genetics RC4992 | 0 | 5 |
| Delta King 3961RR | 3 | 2 |
| Delta King 3968RR | 5 | 0 |
| Delta King XTJ439 | 0 | 5 |
| Deltapine DP3861RR | 0 | 5 |
| Deltapine DPX3940RR | 2 | 3 |
| ES XVT-17RR | 0 | 5 |
| Genesis C444RR | 0 | 5 |
| Genesis D421RR | 0 | 5 |
| Genesis D484RR | 0 | 5 |
| Genesis D524RR | 0 | 5 |
| HBK R4623 | 0 | 5 |
| Maverick | 0 | 5 |
| NK Brand S37-N4 | 5 | 0 |
| PGY 4703RR | 2 | 3 |
| PGY 5250RR | 5 | 0 |
| Pioneer Brand 93B68 | 0 | 2 |
| Pioneer Brand 94B13 | 0 | 5 |
| Pioneer Brand 94B54 | 2 | 3 |
| Terral TVX39R302 | 0 | 5 |
| Terral TVX39RS301 | 0 | 5 |
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u> | | |
| Armor 44-R4 | 0 | 5 |
| Armor 44-R5 | 5 | 0 |
| Armor 47-G7 | 0 | 5 |
| ASGROW AG4201 | 2 | 3 |
| ASGROW AG4403 | 0 | 5 |
| ASGROW AG4502 | 0 | 5 |
| ASGROW AG4603 | 3 | 2 |
| DEKALB DKB44-51 | 0 | 5 |
| DEKALB DKB44-52 | 0 | 5 |
| DEKALB DKB46-51 | 0 | 5 |
| Delta King 4461RR | 0 | 5 |
| Delta King 4763RR | 1 | 4 |

Table 14. Results of Greenhouse Tests for Soil Chloride Reaction, 2003¹, Continued.

| Brand/Cultivar | Number of Excluders | Number of Includers |
|--|---------------------|---------------------|
| <u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u> | | |
| Delta King XTJ401 | 0 | 5 |
| Delta King XTJ402 | 0 | 5 |
| Delta King XTJ446 | 5 | 0 |
| Delta King XTJ447 | 1 | 4 |
| Deltapine 4748S | 0 | 5 |
| Deltapine DP 4690RR | 0 | 5 |
| Deltapine DP4331RR | 0 | 5 |
| Deltapine DP4724RR | 0 | 5 |
| Deltapine DPX4446RR | 2 | 3 |
| DT98-7278 | 0 | 5 |
| Dyna Gro 3443NRR | 0 | 5 |
| Dyna Gro 3463NRR | 0 | 5 |
| Garst 4512RR/N | 0 | 5 |
| Garst XR46Y02 | 0 | 5 |
| Golden Harvest 4534RR | 0 | 5 |
| Golden Harvest 4772RR | 0 | 5 |
| HBK 4891 | 0 | 5 |
| Morsoy RT4480 | 0 | 5 |
| NK Brand S43-B1 | 5 | 0 |
| PGY 3900RR | 0 | 5 |
| Pioneer 94B73 | 0 | 5 |
| Pioneer 94M70 | 2 | 3 |
| Progeny 4401RR | 0 | 5 |
| Southern States RT4502N | 1 | 4 |
| Terral TV4589RR | 4 | 1 |
| Terral TV4890 RR | 5 | 0 |
| Terral TVX47R1K2 | 0 | 5 |
| Terral TVX47R2P1 | 0 | 5 |
| USG 7440nRR | 1 | 4 |
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u> | | |
| Armor 49-P9 | 3 | 2 |
| ASGROW AG4902 | 4 | 1 |
| Delta Grow 4860RR | 0 | 5 |
| Delta Grow 4960RR | 0 | 5 |
| Delta King 4868RR | 0 | 5 |
| Delta King 4967RR | 0 | 5 |
| Delta King XTJ403 | 0 | 5 |
| Delta King XTJ448 | 3 | 2 |
| Delta King XTJ450 | 0 | 5 |
| Deltapine DP4933RR | 0 | 5 |

Table 14. Results of Greenhouse Tests for Soil Chloride Reaction, 2003¹, Continued.

| Brand/Cultivar | Number of Excluders | Number of Includers |
|--|---------------------|---------------------|
| <u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u> | | |
| DT97-4290 | 0 | 5 |
| DT98-9102 | 3 | 2 |
| DT99-17145 | 5 | 0 |
| DT99-17400 | 0 | 5 |
| DT99-17445 | 0 | 5 |
| Dyna Gro 3481NRR | 0 | 5 |
| Dyna Gro SX03149 | 0 | 5 |
| FFR 4922RR | 0 | 5 |
| Garst D484RR/N | 0 | 5 |
| Garst XR48Y11 | 1 | 4 |
| HBK 4944CX | 4 | 1 |
| HBK R4820 | 0 | 5 |
| HBK R4920 | 0 | 5 |
| HBK R4922 | 0 | 5 |
| Manokin | 5 | 0 |
| Morsoy RT4802 | 0 | 5 |
| Morsoy RT4809 | 0 | 5 |
| Morsoy RT4993 | 0 | 5 |
| MPV 4904nRR | 3 | 2 |
| NK Brand S49-Q9 | 5 | 0 |
| PGY 486ORR | 0 | 5 |
| PGY 4949RR | 0 | 5 |
| Progeny 4884RR | 0 | 5 |
| Progeny 4910 | 0 | 5 |
| Progeny 4932RR | 0 | 5 |
| R98-1817 | 0 | 5 |
| Southern States RT4902N | 0 | 5 |
| Southern States RT4930 | 0 | 5 |
| Southern States RT4980 | 0 | 5 |
| Southern States RT5001N | 0 | 5 |
| Southern States RT517N | 0 | 5 |
| Terral TV4886RR | 5 | 0 |
| Terral TVX48R1U1 | 0 | 5 |
| Terral TVX49R1L2 | 0 | 5 |
| Terral TVX49R2Y4 | 0 | 5 |
| Terral TVX49R2Z1 | 0 | 5 |
| USG 7482nRR | 0 | 5 |
| USG 7489RR | 0 | 5 |
| USG 7499nRR | 0 | 5 |

Table 14. Results of Greenhouse Tests for Soil Chloride Reaction, 2003¹, Continued.

| Brand/Cultivar | Number of Excluders | Number of Includers |
|---|---------------------|---------------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u> | | |
| 99VPI-67 | 0 | 5 |
| Anand | 5 | 0 |
| Armor 52-C2 | 2 | 3 |
| Armor 52-Q2 | 5 | 0 |
| Armor 53-K3 | 2 | 3 |
| ASGROW A5427 | 3 | 2 |
| ASGROW AG5301 | 5 | 0 |
| ASGROW AG5501 | 3 | 2 |
| Croplan Genetics RC5332 | 0 | 5 |
| Croplan Genetics RC5555 | 5 | 0 |
| DEKALB DKB53-51 | 4 | 1 |
| Delsoy 5500 | 0 | 5 |
| Delta Grow 5250RR | 5 | 0 |
| Delta Grow 5260RR | 4 | 1 |
| Delta Grow 5460RR | 5 | 0 |
| Delta King 5366RR | 3 | 2 |
| Delta King 5465RR | 0 | 5 |
| Delta King 5561RR | 0 | 5 |
| Delta King XTJ404 | 3 | 2 |
| Delta King XTJ405 | 0 | 5 |
| Delta King XTJ452 | 3 | 2 |
| Deltapine DP5414RR | 5 | 0 |
| DT99-17483 | 3 | 2 |
| Dyna Gro 3518NRR | 0 | 5 |
| Dyna Gro 3521NRR | 5 | 0 |
| Dyna Gro 3535NRR | 5 | 0 |
| Dyna Gro SX03152 | 4 | 1 |
| ES XVT-19RR | 5 | 0 |
| FFR 5225RR | 0 | 5 |
| FFR 5542RR | 0 | 5 |
| Garst 5212RR/N | 0 | 5 |
| Garst XR50N12 | 0 | 5 |
| Golden Harvest 5492RR | 0 | 5 |
| HBK R5123 | 0 | 5 |
| HBK R5422 | 0 | 5 |
| Hutcheson | 0 | 5 |
| Md 92-5769 | 0 | 5 |
| Morsoy RT5252 | 3 | 2 |
| Morsoy RT5440 | 0 | 5 |
| Morsoy RT5553 | 4 | 1 |
| MPV 5302NRR | 1 | 4 |
| MPV 5502NRR | 0 | 5 |
| MPV 5504nRR | 2 | 3 |
| N99-186 | 2 | 3 |

Table 14. Results of Greenhouse Tests for Soil Chloride Reaction, 2003¹, Continued.

| Brand/Cultivar | Number of Excluders | Number of Includers |
|---|---------------------|---------------------|
| <u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u> | | |
| NK Brand S50-N3 | 5 | 0 |
| NK Brand S52-U3 | 5 | 0 |
| Ozark | 2 | 3 |
| PGY 5503RR | 4 | 1 |
| Pioneer Brand 95B32 | 1 | 4 |
| Pioneer Brand 95B42 | 2 | 3 |
| Pioneer Brand 95B43 | 0 | 5 |
| Progeny 5250RR | 5 | 0 |
| Progeny 5415RR | 0 | 5 |
| R95-1705 | 0 | 5 |
| R97-1634 | 5 | 0 |
| S99-2447-02RR | 0 | 5 |
| Southern States RT5302N | 0 | 5 |
| Southern States RT557N | 0 | 5 |
| Southern States RT5602 | 0 | 5 |
| Terral TV52R301 | 0 | 5 |
| Terral TV52R42 | 0 | 5 |
| Terral TV54R11 | 0 | 5 |
| USG 5002T | 4 | 1 |
| USG 540NRR | 0 | 5 |
| USG 7524nRR | 0 | 5 |
| USG 7553nRR | 0 | 5 |
| V96-0340 | 0 | 5 |
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2)</u> | | |
| 99VPI-120 | 0 | 5 |
| AGSE 587RR | 0 | 5 |
| Armor 56-C4 | 2 | 3 |
| Armor 56-J6 | 1 | 4 |
| Armor 58-V8 | 1 | 4 |
| Armor AXR5881 | 0 | 5 |
| ASGROW AG5605 | 5 | 0 |
| ASGROW AG5701 | 4 | 1 |
| ASGROW AG5903 | 2 | 3 |
| Caviness | 2 | 3 |
| Croplan Genetics RC5972 | 3 | 2 |
| DEKALB DKB57-51 | 3 | 2 |
| Delta Grow 5630RR | 4 | 1 |
| Delta Grow 5650RR | 4 | 1 |
| Delta Grow 5960RR | 2 | 3 |
| Delta King 5661RR | 2 | 3 |

Table 14. Results of Greenhouse Tests for Soil Chloride Reaction, 2003¹, Continued.

| Brand/Cultivar | Number of Excluders | Number of Includers |
|---|---------------------|---------------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | |
| Delta King 5668RR | 3 | 2 |
| Delta King 5767RR | 5 | 0 |
| Delta King 5967RR | 5 | 0 |
| Delta King 5995 | 4 | 1 |
| Delta King XTJ406 | 1 | 4 |
| Delta King XTJ407 | 5 | 0 |
| Delta King XTJ457 | 1 | 4 |
| Delta King XTJ4R58 | 0 | 5 |
| Deltapine DP5634RR | 5 | 0 |
| Deltapine DP5806RR | 3 | 2 |
| Deltapine DP5915RR | 2 | 3 |
| DT98-11850 | 2 | 3 |
| DT99-16864 | 5 | 0 |
| DT99-17531 | 0 | 5 |
| DT99-17574 | 0 | 5 |
| Dyna Gro 33B52 | 2 | 3 |
| Dyna Gro 3562NRR | 3 | 2 |
| Dyna Gro 3583NRR | 3 | 2 |
| Dyna Gro 38K57 | 5 | 0 |
| Dyna Gro SX03157 | 5 | 0 |
| ES XVT-41RR | 0 | 5 |
| ES XVT-46RR | 1 | 4 |
| FFR 5702RR | 3 | 2 |
| Freedom | 0 | 5 |
| Garst 5812RR/N | 5 | 0 |
| Garst 6112RR/N | 0 | 5 |
| Garst XR57N20 | 5 | 0 |
| Garst XR59N25 | 3 | 2 |
| HBK 5592 | 0 | 5 |
| HBK 5991 | 0 | 5 |
| HBK R5620 | 2 | 3 |
| HBK R5823 | 0 | 5 |
| HBK R6020 | 2 | 3 |
| Morsoy RT5620 | 2 | 3 |
| Morsoy RT5773 | 5 | 0 |
| Morsoy RT5903 | 2 | 3 |
| NK Brand S57-P1 | 0 | 5 |
| PGY 5703RR | 3 | 2 |
| Pioneer Brand 9594 | 2 | 3 |
| Pioneer Brand 95B96 | 1 | 4 |
| Pioneer Brand 95B97 | 2 | 3 |
| Progeny 5600 | 4 | 1 |
| Progeny 5660RR | 1 | 4 |
| Progeny 5822RR | 5 | 0 |

Table 14. Results of Greenhouse Tests for Soil Chloride Reaction, 2003¹, Continued.

| Brand/Cultivar | Number of Excluders | Number of Includers |
|---|---------------------|---------------------|
| <u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 6.2) Continued</u> | | |
| R00-53F | 2 | 3 |
| R98-209 | 5 | 0 |
| Southern States RT5702N | 2 | 3 |
| Southern States RT5999N | 4 | 1 |
| Southern States RT6202N | 0 | 5 |
| Terral TV56R11 | 2 | 3 |
| Terral TV58R11 | 3 | 2 |
| Terral TV59R98 | 5 | 0 |
| Terral TVX56R1B2 | 1 | 4 |
| Terral TVX56R3K1 | 0 | 5 |
| Terral TVX57R2M1 | 2 | 3 |
| Terral TVX57R301 | 3 | 2 |
| Terral TVX58R1V2 | 1 | 4 |
| Terral TVX58R2W1 | 3 | 2 |
| Terral TVX59R201 | 2 | 3 |
| Terral TVX59R301 | 4 | 1 |
| Terral TVX62R001 | 0 | 5 |
| USG 5601T | 0 | 5 |
| USG 570NRR | 2 | 3 |
| USG 7562nRR | 0 | 5 |
| USG 7563nRR | 5 | 0 |
| USG 7582nRR | 2 | 3 |

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

**Participants and Entries
2003 Early Planted Tests**

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|--|---|
| Armor Seed Company P. O. Box 178 Fisher, AR 72429 | Armor 39-E9 (3.9) Armor 44-R4 (4.4) Armor 44-R5 (4.4) Armor 47-G7 (4.7) Armor 49-D9 (4.9) Armor 52-C2 (5.2) Armor 53-K3 (5.3) |
| Cache River Valley Seed P. O. Box 10 Cash, AR 72421 | Morsoy RT4480 (4.4) Morsoy RT4802 (4.8) Morsoy RT4809 (4.8) Morsoy RT4993 (4.9) |
| Croplan Genetics 8073 Cinders Road Bartlett, TN 38133 | Croplan Genetics RC4842 (4.8) Croplan Genetics RC4992 (4.9) |
| Delta King Seed Co. P. O. Box 970 McCrary, AR 72101 | Delta King 3961RR (3.9) Delta King 3968RR (3.9) Delta King 4461RR (4.6) Delta King 4763RR (4.7) Delta King 4868RR (4.8) Delta King 4967RR (4.9) Delta King 5366RR (5.3) Delta King XTJ439 (3.9) Delta King XTJ450 (4.5) Delta King XTJ447 (4.7) Delta King XTJ452 (5.2) |
| Delta and Pine Land Co. 1301 E. 50 th St. Lubbock, TX 79404 | Deltapine DP 3861RR (3.8) Deltapine DPX 3940RR (3.9) |
| Eagle Seed Company P. O. Box 308 Weiner, AR 72479 | ES XVT-17RR (4.9) |
| Genesis Brand Seed P. O. Box 21085 Lansing, MI 48909 | Genesis D421RR (4.2) Genesis C444RR (4.4) Genesis D484RR (4.8) Genesis D491RR (4.9) Genesis D524RR (5.2) |
| Hornbeck Seed Co., Inc. P. O. Box 472 DeWitt, AR 72042 | HBK R4623 (4.6) HBK R4820 (4.8) |

Participants and Entries (continued)
2003 Early Planted Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|---|---|
| Monsanto 3100 Sycamore Rd. DeKalb, IL 60115 | ASGROW AG3702 (3.7) |
| | ASGROW AG3905 (3.9) |
| | ASGROW AG4201 (4.2) |
| | ASGROW AG4403 (4.4) |
| | ASGROW AG4502 (4.5) |
| | ASGROW AG4603 (4.6) |
| | ASGROW AG4902 (4.9) |
| | ASGROW AG5301 (5.3) |
| | DEKALB DKB44-51 (4.4) |
| | DEKALB DKB46-51 (4.6) |
| DEKALB DKB53-51 (5.3) | |
| Pioneer, A DuPont Company 6767 Old Madison Pike Suite 110 Huntsville, AL 35806 | Pioneer Brand 93B68 (3.6) |
| | Pioneer Brand 94B13 (4.1) |
| | Pioneer Brand 94B54 (4.5) |
| | Pioneer Brand 94B73 (4.7) |
| | Pioneer Brand 94M70 (4.7) |
| Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396 | PGY 3900RR (3.9) |
| | PGY 4703RR (4.7) |
| | PGY 4860RR (4.8) |
| | PGY 4949RR (4.9) |
| | PGY 5250RR (5.2) |
| | Progeny 4401RR (4.4) |
| | Progeny 4884RR (4.8) |
| | Progeny 4910 (4.9) |
| Progeny 4932RR (4.9) | |
| Southern States Coop. P. O. Box 26234 Richmond, VA 23260 | Southern States RT4502N (4.5) |
| | Southern States RT4902N (4.9) |
| | Southern States RT4930 (4.9) |
| | Southern States RT4980 (4.9) |
| | Southern States RT5302N (5.3) |
| Syngenta Seeds, Inc. 535 Pennyrile Drive Madisonville, KY 42431 | NK Brand S37-N4 (3.7) |

Participants and Entries (continued)
2003 Early Planted Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|---|---|
| Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254 | Terral TV4589RR (4.5) |
| | Terral TV4890RR (4.7) |
| | Terral TV4886RR (4.8) |
| | Terral TVX39R302 (3.9) |
| | Terral TVX39RS301 (3.9) |
| | Terral TVX47R1K2 (4.7) |
| | Terral TVX47R2P1 (4.7) |
| | Terral TVX48R1U1 (4.8) |
| | Terral TVX49R1L2 (4.9) |
| | Terral TVX49R2Y4 (4.9) |
| Terral TVX49R2Z1 (4.9) | |
| University of Arkansas Crop, Soils, and Environmental Sciences Dept. Fayetteville, AR 72701 | Ozark (5.3) |
| | R98-1817 (4.8) |
| | R97-1634 (5.2) |
| University of Maryland Room 1112 H. J. Patterson Hall College Park, MD 20742-5821 | Manokin (4.9) |
| University of Missouri Columbia, MO 65211 | Maverick (3.8) |

Participants and Entries
2003 Commercial Cultivar Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|---|--|
| AgSouth Genetics 136 Red Oak Ave. Albany, GA 31721-6340 | AGSE-587 (5.8) |
| Armor Seed Company P. O. Box 178 Fisher, AR 72429 | Armor 44-R4 (4.4) Armor 44-R5 (4.4) Armor 47-G7 (4.7) Armor 49-P9 (4.9) Armor 52-C2 (5.2) Armor 52-Q2 (5.3) Armor 53-K3 (5.3) Armor 56-C4 (5.6) Armor 56-J6 (5.6) Armor 58-V8 (5.8) Armor AXR 5881 (5.8) |
| Cache River Valley Seed P. O. Box 10 Cash, AR 72421 | Morsoy RT4480 (4.4) Morsoy RT4802 (4.8) Morsoy RT4809 (4.8) Morsoy RT4993 (4.9) Morsoy RT5252 (5.2) Morsoy RT5440 (5.4) Morsoy RT5553 (5.5) Morsoy RT5620 (5.6) Morsoy RT5773 (5.7) Morsoy RT5903 (5.9) |
| Croplan Genetics 8073 Cinders Road Bartlett, TN 38133 | Croplan Genetics RC5332 (5.3) Croplan Genetics RC5555 (5.5) Croplan Genetics RC5972 (5.9) |
| Delta Grow Seed P. O. Box 219 England, AR 72046 | Delta Grow 486ORR (4.8) Delta Grow 496ORR (4.9) Delta Grow 525ORR (5.2) Delta Grow 526ORR (5.2) Delta Grow 546ORR (5.4) Delta Grow 563ORR (5.6) Delta Grow 565ORR (5.6) Delta Grow 596ORR (5.9) |

Participants and Entries (continued)
2003 Commercial Cultivar Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|--|---|
| Delta King Seed Co. P. O. Box 970 McCrary, AR 72101 | Delta King 4461RR (4.6) |
| | Delta King 4763RR (4.7) |
| | Delta King 4868RR (4.8) |
| | Delta King 4967RR (4.9) |
| | Delta King 5366RR (5.3) |
| | Delta King 5465RR (5.4) |
| | Delta King 5561RR (5.5) |
| | Delta King 5661RR (5.6) |
| | Delta King 5668RR (5.6) |
| | Delta King 5767RR (5.7) |
| | Delta King 5995 (5.9) |
| | Delta King 5967RR (5.9) |
| | Delta King XTJ401 (4.6) |
| | Delta King XTJ446 (4.6) |
| | Delta King XTJ402 (4.7) |
| | Delta King XTJ447 (4.7) |
| | Delta King XTJ448 (4.9) |
| | Delta King XTJ450 (4.9) |
| | Delta King XTJ403 (4.9) |
| | Delta King XTJ452 (5.2) |
| | Delta King XTJ404 (5.3) |
| | Delta King XTJ405 (5.5) |
| | Delta King XTJ406 (5.7) |
| Delta King XTJ457 (5.7) | |
| Delta King XTJ4R58 (5.8) | |
| Delta King XTJ407 (5.9) | |
| Delta and Pine Land Co. 1301 E. 50 th St. Lubbock, TX 79404 | Deltapine DP4331RR (4.3) |
| | Deltapine DP4690RR (4.7) |
| | Deltapine DP4724RR (4.7) |
| | Deltapine DP4748S (4.7) |
| | Deltapine DP4933RR (4.9) |
| | Deltapine DP5414RR (5.4) |
| | Deltapine DP5634RR (5.6) |
| | Deltapine DP5806RR (5.8) |
| | Deltapine DP5915RR (5.9) |
| | Deltapine DPX4446RR (4.4) |
| Dyna Gro Seed P. O. Box 89 Rayville, LA 71269 | Dyna Gro 3443NRR (4.4) |
| | Dyna Gro 3463NRR (4.6) |
| | Dyna Gro 3481NRR (4.8) |
| | Dyna Gro 3518 NRR (5.2) |
| | Dyna Gro 3521NRR (5.2) |
| | Dyna Gro 3535NRR (5.3) |
| | Dyna Gro 3562NRR (5.6) |
| | Dyna Gro 33B52 (5.7) |
| | Dyna Gro 38K57 (5.7) |
| | Dyna Gro 3583NRR (5.8) |
| | Dyna Gro SXO3149 (4.9) |
| | Dyna Gro SXO3152 (5.2) |
| | Dyna Gro SXO3157 (5.7) |

Participants and Entries (continued)
2003 Commercial Cultivar Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|---|---|
| Eagle Seed Co. P. O. Box 308 Weiner, AR 72479 | ES XVT-19RR (5.5) ES XVT-46RR (5.7) ES XVT-41RR (5.8) |
| FFR Seed 969 Cloverleaf Dr. Southaven, MS 38671 | FFR 4922RR (4.9) FFR 5225RR (5.2) FFR 5542RR (5.4) FFR 5702RR (5.7) |
| Garst Seed Co. 761 Walnut Knoll Lane Suite 200 Memphis, TN 38018 | Garst 4512RR/N (4.5) Garst D484RR/N (4.8) Garst 5812RR/N (5.8) Garst 6112RR/N (5.9) Garst XR46Y02 (4.6)* Garst XR48Y11 (4.8)* Garst XR50N12 (5.0)* Garst XR5212RR/N (5.2)* Garst XR57N20 (5.7)* Garst XR59N25 (5.9)* |
| Golden Harvest P. O. Box 248 Pekin, IL 61555 | Golden Harvest 4534RR (4.5) Golden Harvest 4772RR (4.7) Golden Harvest 5492RR (5.4) |
| Hornbeck Seed Co., Inc. P. O. Box 472 DeWitt, AR 72042 | HBK 4891 (4.7) HBK 4944CX (4.9) HBK 5592 (5.8) HBK 5991 (5.9) HBK R4820 (4.8) HBK R4920 (4.9) HBK R4922 (4.9) HBK R5123 (5.1) HBK R5422 (5.4) HBK R5620 (5.6) HBK R5823 (5.8) HBK R6020 (6.0) |
| MidWest Premium Genetics P. O. Box 688 Concordia, MO 64020 | MPV 4904NRR (4.9) MPV 5302NRR (5.3) MPV 5502NRR (5.5) MPV 5504NRR (5.5) |

Participants and Entries (continued)
2003 Commercial Cultivar Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|---|---|
| Monsanto 3100 Sycamore Rd. DeKalb, IL 60115 | ASGROW A5427 (5.4) |
| | ASGROW AG4201 (4.2) |
| | ASGROW AG4403 (4.4) |
| | ASGROW AG4502 (4.5) |
| | ASGROW AG4603 (4.6) |
| | ASGROW AG4902 (4.9) |
| | ASGROW AG5301 (5.3) |
| | ASGROW AG5501 (5.5) |
| | ASGROW AG5605 (5.6) |
| | ASGROW AG5701 (5.7) |
| | ASGROW AG5903 (5.9) |
| | DEKALB DKB44-51 (4.4) |
| | DEKALB DKB44-52 (4.4) |
| | DEKALB DKB46-51 (4.6) |
| | DEKALB DKB53-51 (5.3) |
| | DEKALB DKB57-51 (5.7) |
| NC Foundation Seed Producers, Inc. 8220 Riley Hill Road Zebulon, NC 27597 | N99-186 (5.5)* |
| Pioneer Hi-Bred International 6767 Old Madison Pike Suite 110 Huntsville, AL 35806 | Pioneer Brand 94B73 (4.7) |
| | Pioneer Brand 94M70 (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) |
| | Pioneer Brand 9594 (5.9) |
| Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396 | PGY 3900RR (3.9) |
| | PGY 4860RR (4.8) |
| | PGY 4949RR (4.9) |
| | PGY 5503RR (5.5) |
| | PGY 5703RR (5.7) |
| | Progeny 4401RR (4.4) |
| | Progeny 4884RR (4.8) |
| | Progeny 4910 (4.9) |
| | Progeny 4932RR (4.9) |
| | Progeny 5250RR (5.2) |
| | Progeny 5415RR (5.4) |
| | Progeny 5600 (5.6) |
| | Progeny 5660RR (5.6) |
| | Progeny 5822RR (5.8) |

Participants and Entries (continued)
2003 Commercial Cultivar Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|---|---|
| Southern States Coop. P. O. Box 26234 Richmond, VA 23260 | Southern States RT4502N (4.5) |
| | Southern States RT4902N (4.9) |
| | Southern States RT4930 (4.9) |
| | Southern States RT4980 (4.9) |
| | Southern States RT5001N (4.9) |
| | Southern States RT517N (4.9) |
| | Southern States RT5302N (5.3) |
| | Southern States RT557N (5.5) |
| | South |
| | ern States RT5602 (5.5) |
| | Southern States RT5702N (5.7)* |
| Southern States RT5999N (5.9)* | |
| Southern States RT6202N (6.2)* | |
| Syngenta Seeds, Inc. 535 Pennyrile Drive Brand S50-N3 (5.0) | NK Brand S43-B1 (4.3) |
| | NK Brand S49-Q9 (4.9) |
| | Madisonville, KY 42431 NK |
| | NK Brand S52-U3 (5.2) |
| | NK Brand S57-P1 (5.7) |
| Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254 | Terral TV4589RR (4.5) |
| | Terral TV4886RR (4.8) |
| | Terral TV4890RR (4.8) |
| | Terral TV52R42 (5.2) |
| | Terral TV52R301 (5.2) |
| | Terral TV54R11 (5.4) |
| | Terral TV56R11 (5.6) |
| | Terral TV58R11 (5.8) |
| | Terral TV59R98 (5.9) |
| | Terral TVX47R1K2 (4.7) |
| | Terral TVX47R2P1 (4.7) |
| | Terral TVX48R1U1 (4.8) |
| | Terral TVX49R1L2 (4.9) |
| | Terral TVX49R2Y4 (4.9) |
| | Terral TVX49R2Z1 (4.9) |
| | Terral TVX56R1B2 (5.6) |
| | Terral TVX56R3K1 (5.6) |
| | Terral TVX57R2M1 (5.7) |
| | Terral TVX57R301 (5.7) |
| | Terral TVX58R1V2 (5.8) |
| Terral TVX58R2W1 (5.8) | |
| Terral TVX59R2Q1 (5.9) | |
| Terral TVX59R301 (5.9) | |
| Terral TVX62R001 (6.0) | |

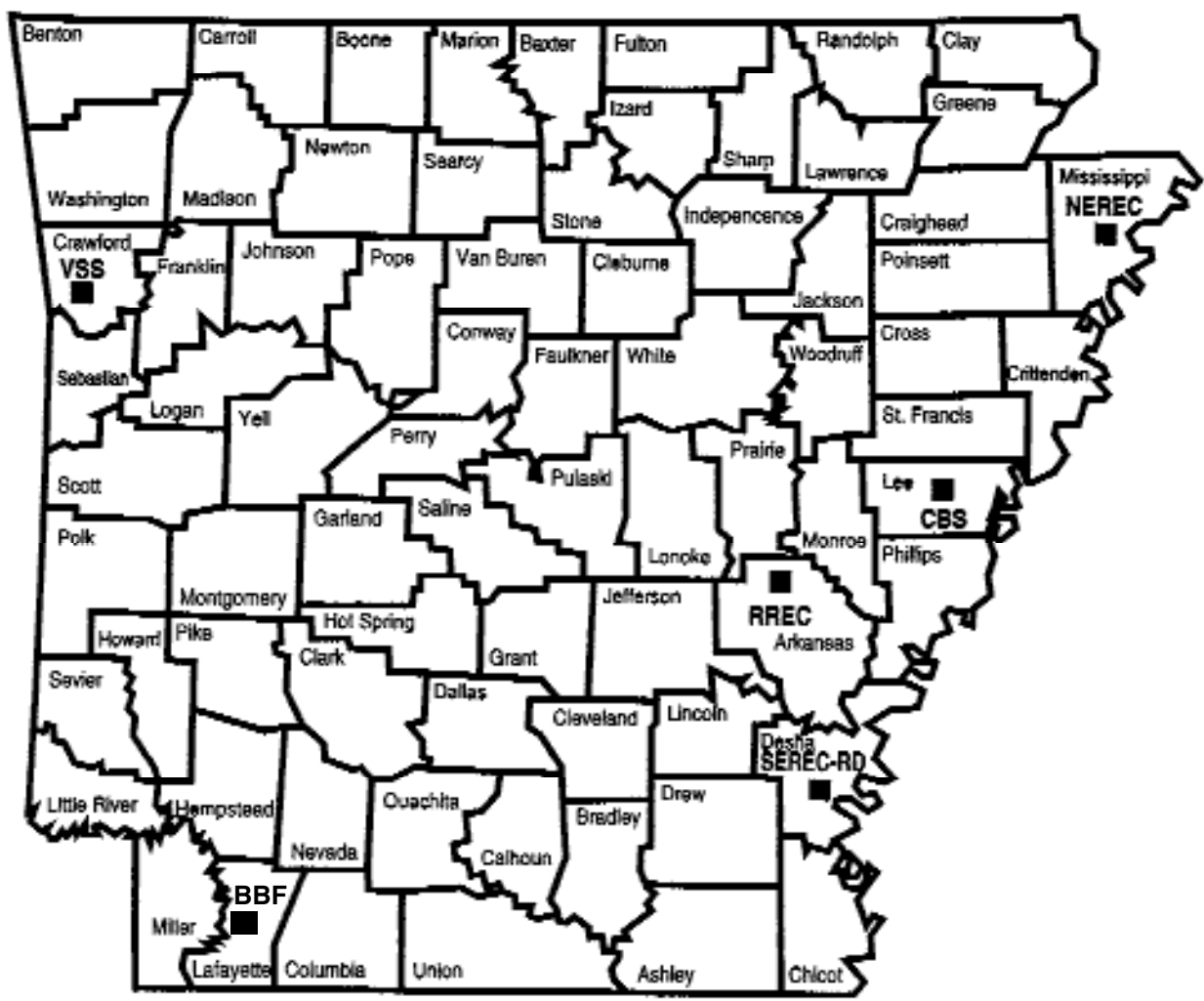
Participants and Entries (continued)
2003 Commercial Cultivar Tests

| <u>Company/Institution</u> | <u>Cultivar (Relative Maturity)¹</u> |
|--|---|
| UniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211 | USG 7440nRR (4.4) |
| | USG 7489RR (4.8) |
| | USG 7482nRR (4.8) |
| | USG 7499nRR (4.9) |
| | USG 5002T (5.0) |
| | USG 7524nRR (5.2) |
| | USG 540nRR (5.4) |
| | USG 7553nRR (5.5) |
| | USG 5601T (5.6) |
| | USG 7562nRR (5.6) |
| | USG 7563nRR (5.6) |
| | USG 570nRR (5.7) |
| USG 7582nRR (5.8) | |
| University of Arkansas Dept. of Crop, Soils, & Environmental Sciences Fayetteville, AR 72701 | R98-1817 (4.8) |
| | Ozark (5.2) |
| | R97-1634 (5.2) |
| | Hutcheson (5.3) |
| | R95-1705 (5.5) |
| | R00-53F (5.6) |
| | Caviness (5.7) |
| R98-209 (6.2) | |
| University of Maryland Room 1112 H. J. Patterson Hall College Park, MD 20742-5821 | Manokin (4.9) |
| | Md92-5769RR (5.2) |
| University of Missouri-Delta Center 147 State Highway T Portageville, MO 63873 | Anand (5.5) |
| | Delsoy 5500 (5.5) |
| | S99-2447-02RR (5.5) |
| USDA-ARS P. O. Box 345 Stoneville, MS 38776 | DT98-7278 (4.7) |
| | DT97-4290 (4.8) |
| | DT98-9102 (4.8) |
| | Freedom (5.8) |
| | DT99-17400 (4.8)* |
| | DT99-17145 (4.9)* |
| | DT99-17445 (4.9)* |
| | DT99-17483 (5.5)* |
| | DT99-17574 (5.7)* |
| | DT98-11850 (5.8)* |
| DT99-17531 (5.8)* | |
| DT99-16864 (5.9)* | |
| Virginia Poly Tech Institute CSES Department Blackburg, VA 24061-0404 | V96-0340 (5.3) |
| | 99VPI-67 (5.4) |
| | 99VPI-120 (5.7) |

¹ Relative maturity provided by companies and institutions submitting entries.

* New Strains

SOYBEAN TEST LOCATIONS



- CBS** Cotton Branch Station, Marianna, Arkansas
- NEREC** Northeast Research and Extension Center, Keiser, Arkansas
- RREC** Rice Research and Extension Center, Stuttgart, Arkansas
- SEREC-RD** Southeast Research and Extension Center-Rohwer Division, Rohwer, Arkansas
- BBF** Burton Brothers Farm, Lafayette County, Arkansas
- VSS** Vegetable Substation, Kibler, Arkansas

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