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Arkansas Soybean Performance Tests 2010

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Arkansas Soybean Performance Tests

2010



R.D Bond • D.G. Dombek • J.A. Still • R.M. Pryor

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UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE

ARKANSAS AGRICULTURAL EXPERIMENT STATION

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ARKANSAS SOYBEAN PERFORMANCE TESTS

2010

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University of Arkansas
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ARKANSAS SOYBEAN PERFORMANCE TESTS¹ 2010

R.D. Bond², D.G. Dombek³, J.A. Still⁴ and R.M. Pryor⁵

INTRODUCTION

Soybean variety and strain performance tests are conducted each year in Arkansas by the University of Arkansas Division of Agriculture Arkansas Crop Variety Improvement Program. The tests provide information to companies developing varieties and/or marketing seed within the state, and aid the Arkansas Cooperative Extension Service in formulating variety recommendations for soybean producers.

METHODS

Varieties and strains were eligible for entry into three types of tests: Roundup Ready™ Early Planted Tests (RR EPTs), Roundup Ready™ Full-Season Tests (RR FSTs) and Non-Roundup Ready™ and LibertyLink™ Full-Season Tests (NonRR and LL FSTs). Entries in the RR FSTs and NonRR and LL FSTs were also tested in Double-Crop Tests. To facilitate field operations and to allow for fairer comparisons between varieties and strains in all three types of tests, entries were divided into maturity classes based on information provided by the originating company or institution. Entries in the RR EPTs were divided into three maturity classes. Entries in the RR FSTs and NonRR and LL FSTs were divided into four maturity classes. Entries in the “Early” and “Late” Group IV RR EPTs, RR FSTs and NonRR and LL FSTs had relative maturities ranging from 4.0 to 4.6 and 4.7 to 4.9, respectively. Entries in the Group V RR EPTs had relative maturities ranging from 5.0 to 5.3. Entries in the “Early” and “Late” MG V RR FSTs and NonRR and LL FSTs had relative maturities ranging from 5.0 to 5.5 and 5.6 to 5.9, respectively.

The 2010 soybean FSTs were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Lon Mann Cotton Research Station (LMCRS) near Marianna, the Rice Research and Extension Center (RREC) near Stuttgart, the Rohwer Research Station (RRS) near Rohwer, and the Vegetable Research Station (VRS) near Kibler. The EPTs were established at the NEREC,

the RRS, the LMCRS and the Scott Matthews farm near Weiner in Poinsett county. A test location map can be found inside the back cover.

Within each test, entries were arranged as a randomized complete block design with three or four replications. Plots in all tests were 4 or 5 rows wide depending on between-row spacing and 20-25 feet in length. Seeds were packaged for recommended planting rates and were planted with a cone planter. Specific location and cultural practice information accompany each table.

Interior rows of each plot were harvested for yield determination, except in the NEREC RR EPTs and Double-Crop tests where all rows were harvested. Percent moisture was recorded for all harvested seed and plot weights were adjusted to thirteen percent moisture. Plot weights of all tests 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 | 4. 9-19% shattered |
| 2. 1-3% shattered | 5. 20% or more shattered |
| 3. 4-8% 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 in the first replication of each test.

Variety Testing Website

This report and other information about variety testing for corn, cotton, grain sorghum, rice, and small grains can be found at www.ArkansasVarietyTesting.com. Disease ratings that do not appear in this or other reports may also be found on this Website.

¹Use 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.

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Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser ²	Marianna	Rohwer	Poinsett ³ Co.	Silt ⁴ Loam Average	All-Location Average
.....bu/A.....							
<u>Maturity Group IV Early (RM 3.9 to 4.6)</u>							
Armor 42-M1	RR1	88.8	64.6	66.6	47.8	59.7	67.0
ASGROW AG4531	RR2/STS	82.3	53.4	77.0	36.5	55.6	62.3
ASGROW AG4630	RR2	74.5	54.5	75.4	38.0	56.0	60.6
Croplan RC4417	RR1	78.4	50.9	69.9	39.5	53.4	59.7
Delta Grow 4470RR/STS	RR1/STS	85.3	42.1	69.0	39.0	50.0	58.9
Delta King DKR4440	RR2	75.9	50.3	69.8	44.6	54.9	60.1
Dyna-Gro 35X43	RR1	82.5	49.2	64.6	36.1	50.0	58.1
Dyna-Gro 36C44	RR1/STS	80.7	49.8	70.9	39.4	53.4	60.2
HBK R4527	RR1	74.1	57.9	65.5	45.3	56.2	60.7
MorSoy Xtra 46X29	RR2/STS	84.7	59.5	73.3	44.8	59.2	65.6
Progeny 3909RR	RR1	72.4	45.0	62.0	28.8	45.3	52.0
Progeny 3910RY	RR2	79.6	44.0	60.0	34.1	46.0	54.4
Progeny 4206RR	RR1	78.4	48.6	66.5	38.9	51.3	58.1
Progeny 4209RY	RR2	84.2	52.7	70.5	39.8	54.3	61.8
Progeny 4510RY	RR2/STS	77.2	58.3	66.6	42.0	55.6	61.0
Progeny 4606RR	RR1/STS	81.5	37.2	67.7	39.5	48.1	56.5
Progeny 4610RY	RR2	82.6	55.2	68.5	41.3	55.0	61.9
REV 44R22	RR1	74.5	45.7	70.4	45.7	53.9	59.1
REV 45R10	RR1	78.4	39.8	70.9	40.8	50.5	57.5
S07-15722	RR1	67.2	51.4	67.0	40.3	52.9	56.5
Schillinger 457.RCP	RR1	75.4	55.0	70.0	43.4	56.1	61.0
Schillinger 458.RCS	RR1/STS	79.6	55.1	71.2	38.8	55.0	61.2
USG 74A45	RR1	73.1	55.8	73.9	45.5	58.4	62.1
USG 74C69	RR1	76.6	52.1	70.8	44.3	55.7	60.9
USG 74T59	RR1	73.3	54.5	63.3	39.5	52.4	57.6
GRAND MEAN		78.4	51.3	68.8	40.5	53.5	59.8
LSD (5%)		5.3	8.7	6.3	7.4	7.5	6.9
C.V.		4.8	11.9	6.5	11.0	9.8	8.6

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser ²	Marianna	Rohwer	Poinsett ³ Co.	Silt ⁴ Loam Average	All-Location Average
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor 47-F8	RR1	81.3	52.8	63.9	40.4	52.4	59.6
Armor 47-G10	RR1	76.8	66.5	64.4	46.0	59.0	63.4
Armor 47-R33	RR2/STS	76.0	56.9	58.7	39.8	51.8	57.8
Armor ARX1471	RR2	83.9	42.2	61.3	35.1	46.2	55.6
Armor ARX1472	RR2	81.2	52.4	58.7	35.9	49.0	57.0
Armor ARX1477	RR2/STS	79.4	54.2	62.6	34.0	50.3	57.6
Armor ARX1478	RR2/STS	78.5	63.2	63.5	35.5	54.1	60.2
Armor ARX1481	RR2/STS	88.0	58.2	70.6	36.1	55.0	63.2
Armor ARX1482	RR2/STS	81.3	57.2	60.7	41.6	53.2	60.2
ASGROW AG4730	RR2/STS	79.2	63.9	63.1	44.9	57.3	62.8
Croplan R2T4799S	RR2/STS	82.1	56.8	60.0	41.5	52.8	60.1
Croplan RC4749	RR1	80.3	54.4	57.4	45.0	52.3	59.3
Croplan RC4757S	RR1/STS	79.9	54.1	55.9	34.7	48.2	56.1
Croplan RC4877	RR1	80.3	46.4	63.6	47.0	52.3	59.3
Delta Grow 4770RR	RR1	76.7	61.3	57.5	31.7	50.2	56.8
Delta Grow 4795RR2	RR2	81.4	59.9	57.9	45.3	54.4	61.1
Delta Grow 4870RR	RR1	82.4	46.6	59.2	40.9	48.9	57.3
Delta Grow 4880RR	RR1	81.1	57.6	62.6	38.8	53.0	60.0
Delta Grow 4970RR	RR1	82.2	57.9	61.7	38.3	52.6	60.0
Delta Grow 4975RR	RR1	79.5	63.0	60.8	42.1	55.3	61.3
Delta King DK4968	RR1	82.4	57.5	54.6	43.3	51.8	59.4
Delta King DKR4744	RR2/STS	78.7	57.6	60.5	40.0	52.7	59.2
Delta King DKX1473	RR2	78.6	60.6	57.6	37.7	52.0	58.6
Delta King DKX1474	RR2	76.6	61.8	55.7	42.8	53.4	59.2
Delta King DKX1491	RR2	77.9	58.8	62.6	42.5	54.6	60.4
Delta King DKX1492	RR2	71.3	59.6	64.9	49.6	58.0	61.4
Dyna-Gro 33G48	RR1	85.4	57.1	56.1	37.7	50.3	59.1
Dyna-Gro 35RY47	RR2	71.9	58.5	66.3	38.3	54.4	58.7
Dyna-Gro 36Y48	RR1/STS	70.2	55.9	59.2	45.3	53.5	57.7
Eagle Seed ES4777	RR1	77.0	61.3	58.5	37.2	52.3	58.5
Eagle Seed ES4818	RR1	79.3	58.3	70.1	36.8	55.1	61.1
Eagle Seed ES4998	RR1	79.4	56.2	59.6	40.9	52.2	59.0
HBK R4729	RR1	70.2	56.6	57.2	45.2	53.0	57.3
HBK R4829	RR1	87.3	59.0	63.1	42.6	54.9	63.0
HBK R4924	RR1	68.6	55.4	60.4	34.1	50.0	54.6
MorSoy R2 496	RR2	72.8	57.7	59.5	42.9	53.4	58.2
MorSoy R2S 481	RR2/STS	79.0	60.0	62.0	35.8	52.6	59.2
MorSoy RT 4707N	RR1	87.7	47.6	61.6	32.5	47.2	57.3
MorSoy RT 4914N	RR1	84.4	58.5	57.5	39.8	51.9	60.1
MorSoy RTS 4706	RR1/STS	78.0	51.5	52.3	39.3	47.7	55.3
MorSoy RTS 4824	RR1/STS	84.3	60.2	59.1	36.7	52.0	60.1
MorSoy RTS 4955N	RR1/STS	74.8	60.4	56.2	43.1	53.2	58.6
MorSoy Xtra 47X10	RR2/STS	80.4	61.2	49.7	43.5	51.5	58.7
MorSoy Xtra 48X00	RR2/STS	81.8	59.3	64.4	41.4	55.0	61.7
MorSoy Xtra 49X10	RR2	77.2	63.2	64.9	40.3	56.1	61.4

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser ²	Marianna	Rohwer	Poinsett ³ Co.	Silt ⁴ Loam Average	All-Location Average
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
MorSoy Xtra 51X10	RR2	74.7	44.9	56.3	40.4	47.2	54.1
Progeny 4710RY	RR2	79.2	58.0	69.7	44.4	57.4	62.8
Progeny 4750RR	RR1	82.6	59.2	60.4	53.6	57.7	63.9
Progeny 4807RR	RR1	83.9	51.9	59.8	36.7	49.5	58.1
Progeny 4810RY	RR2	77.5	55.8	65.5	37.5	52.9	59.1
Progeny 4906RR	RR1	79.9	61.6	65.1	43.4	56.7	62.5
Progeny 4908RR	RR1	78.8	50.1	71.0	35.7	52.3	58.9
Progeny 4920RY	RR2	73.0	57.6	58.4	38.0	51.3	56.8
Progeny 4949RR	RR1	78.0	59.2	69.0	38.2	55.5	61.1
REV 47R22	RR1	74.1	53.4	48.9	36.5	46.3	53.2
REV 48R10	RR1	74.7	57.0	57.8	39.8	51.5	57.3
REV 48R21	RR1	70.1	61.6	62.8	37.2	53.9	57.9
REV 48R22	RR1	79.1	57.7	64.1	43.2	55.0	61.0
REV 49R11	RR1	85.1	54.9	64.4	39.1	52.8	60.9
REV 49R22	RR1	78.4	60.7	63.7	44.3	56.2	61.8
S06-3095	RR1	74.6	49.3	56.5	40.4	48.7	55.2
Schillinger 478.RCS	RR1/STS	75.3	58.8	66.2	39.5	54.8	59.9
Schillinger 495.RC	RR1	79.7	59.1	63.2	49.5	57.3	62.9
Schillinger 4990.RC	RR1	80.2	59.3	44.5	43.5	49.1	56.9
USG 74B58	RR1/STS	86.7	48.8	62.2	34.7	48.6	58.1
GRAND MEAN		79.0	56.9	60.7	40.3	52.6	59.2
LSD (5%)		6.8	6.3	7.4	9.1	7.6	7.4
C.V.		6.2	7.9	8.7	14.0	10.2	9.2

Maturity Group V (RM 5.0 to 5.3)

ASGROW AG5331	RR2	51.9	52.7	58.4	•	55.6	54.3
Croplan RC5007S	RR1/STS	57.7	51.0	49.1	•	50.1	52.6
Delta Grow 5275RR2	RR2/STS	63.5	44.8	53.9	•	49.4	54.1
Delta Grow 5280RR	RR1	65.9	47.7	45.1	•	46.4	52.9
Delta Grow 5300RR/STS	RR1/STS	54.9	50.7	49.4	•	50.1	51.7
Delta King DKX1539	RR2	54.3	59.9	44.6	•	52.3	52.9
Dyna-Gro 33B52	RR1	65.4	46.4	47.6	•	47.0	53.1
Dyna-Gro 37RY52	RR2	63.0	44.6	54.2	•	49.4	53.9
Eagle Seed ES5355	RR1	62.1	51.1	54.3	•	52.7	55.8
HBK R5226	RR1	68.3	49.1	46.1	•	47.6	54.5

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser ²	Marianna	Rohwer	Poinsett ³ Co.	Silt ⁴ Loam Average	All-Location Average
.....bu/A.....							
Maturity Group V (RM 5.0 to 5.3) Continued							
Progeny 5110RY	RR2	67.4	49.2	58.2	•	53.7	58.3
Progeny 5115RR	RR1	61.2	62.0	63.8	•	62.9	62.3
Progeny 5210RY	RR2	64.5	49.1	48.0	•	48.6	53.9
Progeny 5218RR	RR1	69.0	43.1	49.1	•	46.1	53.7
Progeny 5310RY	RR2	57.0	57.2	45.0	•	51.1	53.1
Progeny 5330RR	RR1	69.8	56.5	55.3	•	55.9	60.5
S06-3053	RR1	56.4	48.3	53.2	•	50.8	52.6
S06-4649	RR1	60.7	56.2	54.7	•	55.5	57.2
Terral TV52R79	RR1	60.7	36.0	43.8	•	39.9	46.8
GRAND MEAN		61.8	50.3	51.2	•	50.8	54.4
LSD (5%)		7.7	6.6	6.8	•	6.7	7.0
C.V.		8.8	9.3	9.3	•	9.3	9.1

¹ Keiser = Northeast Research and Extension Center.

Marianna = Lon Mann Cotton Research Station.

Rohwer = Rohwer Research Station.

Poinsett County = Scott Mathews Farm.

² These tests were planted on May 8 after the original plantings on April 22 were abandoned due to heavy rainfall immediately after planting.

³ The MG 5 test at this location was not reported due to poor uniformity.

⁴ Average yield of Marianna, Rohwer, and Poinsett County locations.

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Armor 42-M1	88.8	80.2	83.4	9/15	1.0	1.0	38
Delta Grow 4470RR/STS	85.3	78.9	77.4	9/14	1.0	1.0	31
MorSoy Xtra 46X29	84.7	•	•	9/18	1.3	1.0	40
Progeny 4209RY	84.2	•	•	9/19	1.8	1.0	37
Progeny 4610RY	82.6	•	•	9/20	1.8	1.0	40
Dyna-Gro 35X43	82.5	•	•	9/15	1.5	1.0	37
ASGROW AG4531	82.3	•	•	9/19	1.3	1.0	36
Progeny 4606RR	81.5	74.9	76.3	9/19	1.0	1.0	38
Dyna-Gro 36C44	80.7	74.8	•	9/10	1.0	1.0	33
Progeny 3910RY	79.6	•	•	9/12	1.0	1.0	36
Schillinger 458.RCS	79.6	73.5	75.4	9/19	1.0	1.0	40
Croplan RC4417	78.4	72.2	74.3	9/15	1.3	1.0	38
Progeny 4206RR	78.4	73.7	75.2	9/13	1.0	1.0	39
REV 45R10	78.4	73.2	•	9/17	2.3	1.0	45
Progeny 4510RY	77.2	•	•	9/20	1.5	1.0	36
USG 74C69	76.6	70.6	•	9/20	3.3	1.0	50
Delta King DKR4440	75.9	•	•	9/21	2.5	1.0	42
Schillinger 457.RCP	75.4	68.3	70.1	9/19	3.3	1.0	44
ASGROW AG4630	74.5	•	•	9/19	1.5	1.0	39
REV 44R22	74.5	•	•	9/14	1.0	1.0	40
HBK R4527	74.1	70.5	72.6	9/16	3.0	1.0	49
USG 74T59	73.3	•	•	9/20	3.5	1.0	43
USG 74A45	73.1	69.8	69.8	9/16	1.8	1.0	46
Progeny 3909RR	72.4	69.9	•	9/11	1.3	1.0	41
S07-15722	67.2	•	•	9/21	3.3	1.0	45
GRAND MEAN	78.4	•	•	9/17	1.8	1.0	40
LSD (5%)	5.3	•	•	2	0.7	•	•
C.V.	4.8	•	•	6	28.9	•	•

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor ARX1481	88.0	•	•	9/19	1.0	1.0	40
MorSoy RT 4707N	87.7	80.8	82.0	9/25	1.0	1.0	42
HBK R4829	87.3	•	•	9/22	1.0	1.0	44
USG 74B58	86.7	76.2	•	9/17	1.8	1.0	50
Dyna-Gro 33G48	85.4	•	•	9/25	3.0	1.0	48
REV 49R11	85.1	•	•	9/14	1.0	1.0	44
MorSoy RT 4914N	84.4	80.2	79.3	9/23	1.5	1.0	44
MorSoy RTS 4824	84.3	77.9	•	9/18	1.8	1.0	41
Armor ARX1471	83.9	•	•	9/17	3.0	1.0	42
Progeny 4807RR	83.9	76.0	79.3	9/20	1.0	1.0	38
Progeny 4750RR	82.6	•	•	9/18	1.0	1.0	41
Delta Grow 4870RR	82.4	73.4	76.6	9/19	1.0	1.0	38
Delta King DK4968	82.4	81.4	81.7	9/18	1.0	1.0	46
Delta Grow 4970RR	82.2	82.4	81.1	9/23	1.8	1.0	52
Croplan R2T4799S	82.1	•	•	9/20	1.0	1.0	41
MorSoy Xtra 48X00	81.8	•	•	9/22	2.0	1.0	43
Delta Grow 4795RR2	81.4	•	•	9/20	1.0	1.0	43
Armor 47-F8	81.3	75.8	79.1	9/18	1.0	1.0	38
Armor ARX1482	81.3	•	•	9/19	4.0	1.0	46
Armor ARX1472	81.2	•	•	9/14	1.0	1.0	42
Delta Grow 4880RR	81.1	•	•	9/19	4.0	1.0	44
MorSoy Xtra 47X10	80.4	•	•	9/19	1.0	1.0	43
Croplan RC4749	80.3	•	•	9/19	1.0	1.0	45
Croplan RC4877	80.3	72.4	78.4	9/22	3.3	1.0	45
Schillinger 4990.RC	80.2	82.0	•	9/25	1.0	1.0	38
Croplan RC4757S	79.9	•	•	9/19	1.0	1.0	36
Progeny 4906RR	79.9	80.0	79.2	9/20	1.0	1.0	44
Schillinger 495.RC	79.7	80.3	77.8	9/20	4.0	1.0	42
Delta Grow 4975RR	79.5	77.3	79.8	9/19	1.0	1.0	46
Armor ARX1477	79.4	•	•	9/19	3.0	1.0	42
Eagle Seed ES4998	79.4	•	•	9/19	1.0	1.0	40
Eagle Seed ES4818	79.3	75.2	76.1	9/21	1.3	1.0	44

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)Continued</u>							
ASGROW AG4730	79.2	•	•	9/19	1.0	1.0	40
Progeny 4710RY	79.2	•	•	9/20	1.0	1.0	40
REV 48R22	79.1	•	•	9/22	1.0	1.0	39
MorSoy R2S 481	79.0	•	•	9/18	1.5	1.0	49
Progeny 4908RR	78.8	77.1	78.3	9/21	3.0	1.0	40
Delta King DKR4744	78.7	•	•	9/20	1.0	1.0	40
Delta King DKX1473	78.6	•	•	9/19	1.0	1.0	44
Armor ARX1478	78.5	•	•	9/20	1.0	1.0	35
REV 49R22	78.4	•	•	9/22	1.8	1.0	49
MorSoy RTS4706	78.0	74.3	79.8	9/20	1.0	1.0	45
Progeny 4949RR	78.0	77.4	77.9	9/20	1.8	1.0	51
Delta King DKX1491	77.9	•	•	9/22	2.0	1.0	38
Progeny 4810RY	77.5	•	•	9/18	1.8	1.0	46
MorSoy Xtra 49X10	77.2	•	•	9/19	3.0	1.0	44
Eagle Seed ES4777	77.0	•	•	9/20	1.8	1.0	43
Armor 47-G10	76.8	69.8	•	9/19	1.5	1.0	44
Delta Grow 4770RR	76.7	65.7	68.3	9/19	1.0	1.0	45
Delta King DKX1474	76.6	•	•	9/20	1.5	1.0	44
Armor 47-R33	76.0	76.4	•	9/20	1.8	1.0	41
Schillinger 478.RCS	75.3	77.3	77.8	9/21	1.0	1.0	48
MorSoy RTS 4955N	74.8	75.5	77.5	9/19	2.0	1.0	50
MorSoy Xtra 51X10	74.7	•	•	9/22	1.3	1.0	46
REV 48R10	74.7	67.9	•	9/20	1.3	1.0	37
S06-3095	74.6	73.2	•	9/22	3.0	1.0	49
REV 47R22	74.1	•	•	9/19	1.0	1.0	46
Progeny 4920RY	73.0	•	•	9/22	1.0	1.0	35
MorSoy R2 496	72.8	•	•	9/21	1.0	1.0	43
Dyna-Gro 35RY47	71.9	•	•	9/17	1.0	1.0	37
Delta King DKX1492	71.3	•	•	9/22	1.0	1.0	45
Dyna-Gro 36Y48	70.2	68.6	72.4	9/20	2.8	1.0	45
HBK R4729	70.2	70.2	•	9/19	1.0	1.0	41
REV 48R21	70.1	•	•	9/20	3.0	1.0	43
HBK R4924	68.6	66.3	70.1	9/19	2.8	1.0	48
GRAND MEAN	79.0	•	•	9/20	1.6	1.0	43
LSD (5%)	6.8	•	•	1.2	0.4	•	•
C.V.	6.2	•	•	4.2	19.3	•	•

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
Progeny 5330RR	69.8	•	•	9/23	1.5	1.0	36
Progeny 5218RR	69.0	71.9	72.3	9/28	1.0	1.0	27
HBK R5226	68.3	77.0	77.4	9/26	1.0	1.0	34
Progeny 5110RY	67.4	•	•	9/21	1.0	1.0	30
Delta Grow 5280RR	65.9	66.8	71.0	9/28	1.0	1.0	34
Dyna-Gro 33B52	65.4	71.9	73.0	9/22	1.0	1.0	31
Progeny 5210RY	64.5	•	•	9/21	1.0	1.0	35
Delta Grow 5275RR2	63.5	•	•	9/22	1.0	1.0	34
Dyna-Gro 37RY52	63.0	•	•	9/23	1.0	1.0	37
Eagle Seed ES5355	62.1	•	•	9/24	1.0	1.0	38
Progeny 5115RR	61.2	65.7	69.7	9/22	1.3	1.0	61
S06-4649	60.7	65.3	•	9/23	1.3	1.0	30
Terral TV52R79	60.7	•	•	9/24	1.0	1.0	35
Croplan RC5007S	57.7	•	•	9/21	1.0	1.0	36
Progeny 5310RY	57.0	•	•	9/25	3.0	1.0	61
S06-3053	56.4	•	•	9/22	1.8	1.0	31
Delta Grow 5300RR/STS	54.9	64.9	68.2	9/22	1.0	1.0	33
Delta King DKX1539	54.3	•	•	9/23	3.0	1.0	62
ASGROW AG5331	51.9	•	•	9/20	1.0	1.0	31
GRAND MEAN	61.8	•	•	9/23	1.3	1.0	38
LSD (5%)	7.7	•	•	1	0.6	•	•
C.V.	8.8	•	•	3	30.2	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, and 2010.

Soil Series	Sharkey silty clay
Previous Crop	Soybean
Row Width	Four 7.5-inch rows on two 38-inch beds
Planting Date	4/22, replanted after heavy rain 5/8
Herbicide Applications	Sencor + Dual Magnum, 5/9; Roundup™, 6/23
Insecticide Applications	Karate, 8/24
Irrigation Dates	6/14, 6/25, 7/6, 7/26, 8/4, 8/11, 8/23
Harvest Dates	MG 4E 9/22; MG 4L 9/24; MG 5 9/29

	Precipitation (inches)					Total
	April	May	June	July	August	
2010	2.7	8.9	0.3	3.5	0.1	15.5
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.2	3.7	-3.7	-0.2	-2.7	-5.1

**Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Station, Marianna, Ark., 2010.**

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Armor 42-M1	64.6	59.7	66.4	8/25	1.0	2.5	25
MorSoy Xtra 46X29	59.5	•	•	9/02	1.0	1.0	27
Progeny 4510RY	58.3	•	•	9/01	1.0	1.0	27
HBK R4527	57.9	58.5	61.8	8/30	1.3	1.0	31
USG 74A45	55.8	59.8	68.6	8/23	1.0	3.0	30
Progeny 4610RY	55.2	•	•	8/30	1.0	2.0	22
Schillinger 458.RCS	55.1	60.9	67.0	8/30	1.0	2.0	23
Schillinger 457.RCP	55.0	52.2	59.3	8/28	1.5	1.8	29
ASGROW AG4630	54.5	•	•	8/29	1.0	1.0	22
USG 74T59	54.5	•	•	9/01	1.8	2.0	27
ASGROW AG4531	53.4	•	•	9/03	1.0	1.0	25
Progeny 4209RY	52.7	•	•	8/30	1.0	2.0	22
USG 74C69	52.1	49.4	•	8/30	1.8	1.0	34
S07-15722	51.4	•	•	9/01	1.3	2.0	29
Croplan RC4417	50.9	58.1	63.9	8/24	1.3	4.3	27
Delta King DKR4440	50.3	•	•	8/29	1.0	2.0	26
Dyna-Gro 36C44	49.8	52.9	•	8/23	1.0	3.5	18
Dyna-Gro 35X43	49.2	•	•	8/21	1.0	3.0	23
Progeny 4206RR	48.6	53.8	59.8	8/21	1.0	4.3	25
REV 44R22	45.7	•	•	8/24	1.0	2.5	20
Progeny 3909RR	45.0	53.7	•	8/20	1.0	3.5	21
Progeny 3910RY	44.0	•	•	8/14	1.8	3.5	24
Delta Grow 4470RR/STS	42.1	51.6	59.0	8/21	1.0	4.0	17
REV 45R10	39.8	48.6	•	8/25	1.0	4.0	22
Progeny 4606RR	37.2	49.1	52.5	8/28	1.0	2.0	21
GRAND MEAN	51.3	•	•	8/26	1.1	2.4	25
LSD (5%)	8.7	•	•	3	0.4	1.0	•
C.V.	11.9	•	•	7	27.5	29.0	•

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor 47-G10	66.5	60.1	•	9/01	2.0	2.0	28
ASGROW AG4730	63.9	•	•	8/30	1.0	1.0	26
Armor ARX1478	63.2	•	•	8/30	1.0	2.3	26
MorSoy Xtra 49X10	63.2	•	•	9/04	1.3	1.8	28
Delta Grow 4975RR	63.0	62.6	65.9	9/01	1.5	1.8	26
Delta King DKX1474	61.8	•	•	8/28	1.5	2.8	29
Progeny 4906RR	61.6	64.2	65.0	9/02	2.0	1.5	27
REV 48R21	61.6	•	•	9/01	1.5	1.5	23
Delta Grow 4770RR	61.3	58.5	61.3	8/27	1.3	3.8	24
Eagle Seed ES4777	61.3	•	•	9/01	1.3	1.5	28
MorSoy Xtra 47X10	61.2	•	•	8/30	1.0	1.5	24
REV 49R22	60.7	•	•	8/31	1.8	3.8	32
Delta King DKX1473	60.6	•	•	8/30	1.5	2.3	33
MorSoy RTS 4955N	60.4	60.2	66.1	9/03	1.5	2.0	29
MorSoy RTS 4824	60.2	59.4	•	9/03	1.3	1.3	33
MorSoy R2S 481	60.0	•	•	9/01	1.0	1.0	27
Delta Grow 4795RR2	59.9	•	•	8/31	1.5	1.5	26
Delta King DKX1492	59.6	•	•	9/03	1.8	2.0	29
MorSoy Xtra 48X00	59.3	•	•	8/30	1.3	2.8	25
Schillinger 4990.RC	59.3	58.9	•	9/04	1.0	2.3	28
Progeny 4750RR	59.2	•	•	9/01	1.3	2.5	29
Progeny 4949RR	59.2	63.3	64.7	9/05	1.3	2.0	31
Schillinger 495.RC	59.1	57.8	58.8	9/02	2.0	2.0	28
HBK R4829	59.0	•	•	8/30	1.5	2.8	27
Delta King DKX1491	58.8	•	•	9/03	1.5	2.0	26
Schillinger 478.RCS	58.8	59.2	60.9	9/01	1.3	2.0	25
Dyna-Gro 35RY47	58.5	•	•	8/28	1.0	3.5	28
MorSoy RT 4914N	58.5	54.7	63.4	9/03	1.5	2.0	30
Eagle Seed ES4818	58.3	57.2	62.8	9/07	2.0	3.0	31
Armor ARX1481	58.2	•	•	8/31	1.0	1.8	24

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2-Year ¹		3-Year ²	Maturity	Lodging	Shatter	Plant
	2010	Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Progeny 4710RY	58.0	•	•	8/31	1.3	1.0	24
Delta Grow 4970RR	57.9	56.0	62.3	9/04	1.8	2.0	29
MorSoy R2 496	57.7	•	•	9/03	1.3	1.8	29
REV 48R22	57.7	•	•	8/28	1.0	3.8	26
Delta Grow 4880RR	57.6	•	•	8/30	1.8	2.3	25
Delta King DKR4744	57.6	•	•	8/30	1.3	1.3	29
Progeny 4920RY	57.6	•	•	9/04	1.5	2.3	27
Delta King DK4968	57.5	55.6	60.3	9/01	1.5	2.0	30
Armor ARX1482	57.2	•	•	8/29	1.0	1.5	26
Dyna-Gro 33G48	57.1	•	•	8/31	1.8	2.3	28
REV 48R10	57.0	58.3	•	8/30	1.3	4.8	26
Armor 47-R33	56.9	56.0	•	8/31	1.3	2.0	29
Croplan R2T4799S	56.8	•	•	8/31	1.3	1.5	24
HBK R4729	56.6	57.3	•	9/01	1.8	2.0	27
Eagle Seed ES4998	56.2	•	•	8/30	1.5	2.5	33
Dyna-Gro 36Y48	55.9	59.0	63.5	9/05	1.5	1.8	28
Progeny 4810RY	55.8	•	•	8/30	1.3	3.0	23
HBK R4924	55.4	59.8	65.1	9/04	1.8	2.3	33
REV 49R11	54.9	•	•	8/28	1.0	3.5	25
Croplan RC4749	54.4	•	•	9/03	1.0	2.3	26
Armor ARX1477	54.2	•	•	8/29	1.3	2.5	25
Croplan RC4757S	54.1	•	•	8/30	1.3	2.5	24
REV 47R22	53.4	•	•	8/30	1.8	3.0	31
Armor 47-F8	52.8	52.7	57.0	8/30	1.0	3.3	24
Armor ARX1472	52.4	•	•	9/03	1.0	4.5	25
Progeny 4807RR	51.9	52.0	58.2	8/29	1.3	3.0	35
MorSoy RTS4706	51.5	51.4	55.2	8/29	1.0	2.3	23
Progeny 4908RR	50.1	54.4	57.8	9/05	1.5	3.3	31
S06-3095	49.3	56.2	•	9/05	1.0	2.5	29
USG 74B58	48.8	50.6	•	8/30	1.0	5.0	20
MorSoy RT 4707N	47.6	49.7	59.4	8/30	1.5	2.5	28
Delta Grow 4870RR	46.6	45.6	51.8	8/29	1.0	2.0	25
Croplan RC4877	46.4	48.6	56.7	8/29	1.3	2.8	28
MorSoy Xtra 51X10	44.9	•	•	9/05	1.0	1.0	22
Armor ARX1471	42.2	•	•	8/22	1.0	5.0	23
GRAND MEAN	56.9	•	•	8/31	1.3	2.4	27
LSD (5%)	6.3	•	•	2	0.6	0.8	•
C.V.	7.9	•	•	5	31.7	24.6	•

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
Progeny 5115RR	62.0	57.1	61.9	9/10	2.0	1.3	33
Delta King DKX1539	59.9	•	•	9/18	3.0	1.0	50
Progeny 5310RY	57.2	•	•	9/19	3.0	1.3	51
Progeny 5330RR	56.5	•	•	9/12	1.0	1.5	26
S06-4649	56.2	62.2	•	9/12	1.0	1.0	24
ASGROW AG5331	52.7	•	•	9/07	1.0	1.0	20
Eagle Seed ES5355	51.1	•	•	9/12	1.0	1.0	23
Croplan RC5007S	51.0	•	•	9/12	1.0	1.3	27
Delta Grow 5300RR/STS	50.7	50.7	53.5	9/14	1.0	1.0	24
Progeny 5110RY	49.2	•	•	9/08	1.0	1.0	20
HBK R5226	49.1	53.3	52.7	9/12	1.0	1.3	26
Progeny 5210RY	49.1	•	•	9/11	1.0	1.3	22
S06-3053	48.3	•	•	9/09	1.0	1.8	24
Delta Grow 5280RR	47.7	45.6	47.9	9/18	1.0	1.0	24
Dyna-Gro 33B52	46.4	49.9	55.9	9/10	1.0	1.3	18
Delta Grow 5275RR2	44.8	•	•	9/10	1.0	1.0	23
Dyna-Gro 37RY52	44.6	•	•	9/09	1.0	1.0	23
Progeny 5218RR	43.1	46.2	50.3	9/12	1.0	1.3	23
Terral TV52R79	36.0	•	•	9/20	1.0	1.0	19
GRAND MEAN	50.3	•	•	9/12	1.3	1.2	26
LSD (5%)	6.6	•	•	3	•	0.5	•
C.V.	9.3	•	•	16	•	30.6	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, and 2010.

Soil Series	Calloway silt Loam
Previous Crop	Soybean
Row Width	30 inches
Fertilizer Applied	0-0-100, 3/31
Planting Dates	4/15
Herbicide Applications	Roundup™ + Parallel 4/16; Roundup™ + Storm, 5/18; Roundup™ + Storm, 6/15
Insecticide Applications	Intrepid + Karate, 8/10
Irrigation Dates	7/2, 7/11, 7/20, 7/30, 8/12, 8/20
Harvest Dates	MG 4E 9/15; MG 4L 9/21; MG 5 9/27

	<u>Precipitation (inches)</u>						
	April	May	June	July	August	September	Total
2010	3.36	7.8	1.3	2.6	0.6	0.8	16.5
Average	5.4	5.2	3.4	4.0	2.8	4.0	24.8
Departure	-2.04	2.63	-2.11	-1.37	-2.18	-3.19	-8.26

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
	.....bu/A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
ASGROW AG4531	77.0	•	•	8/24	1.0	1.0	35
ASGROW AG4630	75.4	•	•	8/24	1.0	1.0	30
USG 74A45	73.9	72.9	71.1	8/22	1.5	1.0	38
MorSoy Xtra 46X29	73.3	•	•	8/27	1.0	1.0	33
Schillinger 458.RCS	71.2	72.9	71.8	8/26	1.3	1.0	27
Dyna-Gro 36C44	70.9	69.3	•	8/16	1.0	1.0	26
REV 45R10	70.9	73.0	•	8/19	1.3	1.0	38
USG 74C69	70.8	68.4	•	8/25	1.5	1.0	41
Progeny 4209RY	70.5	•	•	8/22	1.0	1.0	35
REV 44R22	70.4	•	•	8/23	1.0	1.0	32
Schillinger 457.RCP	70.0	71.1	72.6	8/25	1.0	1.0	34
Croplan RC4417	69.9	66.7	69.3	8/19	1.8	1.0	35
Delta King DKR4440	69.8	•	•	8/26	1.3	1.0	33
Delta Grow 4470RR/STS	69.0	71.0	72.3	8/16	1.0	1.0	22
Progeny 4610RY	68.5	•	•	8/23	1.0	1.0	29
Progeny 4606RR	67.7	70.4	71.0	8/26	1.0	1.0	29
S07-15722	67.0	•	•	8/27	1.0	1.0	40
Armor 42-M1	66.6	68.4	70.4	8/21	1.3	1.0	29
Progeny 4510RY	66.6	•	•	8/24	1.0	1.0	32
Progeny 4206RR	66.5	65.7	67.8	8/16	1.0	1.0	27
HBK R4527	65.5	71.3	69.2	8/25	1.5	1.0	36
Dyna-Gro 35X43	64.6	•	•	8/21	1.3	1.0	29
USG 74T59	63.3	•	•	8/26	1.0	1.0	34
Progeny 3909RR	62.0	63.2	•	8/17	1.0	1.0	28
Progeny 3910RY	60.0	•	•	8/12	1.0	2.0	31
GRAND MEAN	68.8	•	•	8/22	1.1	1.0	32
LSD (5%)	6.3	•	•	3	0.4	•	•
C.V.	6.5	•	•	10	26.8	•	•

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Progeny 4908RR	71.0	66.6	66.5	9/02	1.0	1.0	33
Armor ARX1481	70.6	•	•	8/27	1.0	1.0	26
Eagle Seed ES4818	70.1	67.4	66.5	9/02	1.0	2.0	36
Progeny 4710RY	69.7	•	•	8/26	1.0	1.0	26
Progeny 4949RR	69.0	69.7	68.7	8/31	1.0	1.0	31
Dyna-Gro 35RY47	66.3	•	•	8/24	1.0	1.0	31
Schillinger 478.RCS	66.2	63.7	65.2	8/30	1.0	1.0	31
Progeny 4810RY	65.5	•	•	8/24	1.0	1.0	21
Progeny 4906RR	65.1	63.7	66.1	9/01	1.0	1.0	31
Delta King DKX1492	64.9	•	•	9/01	1.0	1.0	30
MorSoy Xtra 49X10	64.9	•	•	9/01	1.0	1.0	26
Armor 47-G10	64.4	63.9	•	8/29	1.0	1.0	35
MorSoy Xtra 48X00	64.4	•	•	8/28	1.0	1.0	28
REV 49R11	64.4	•	•	8/26	1.0	1.0	25
REV 48R22	64.1	•	•	8/25	1.0	1.0	21
Armor 47-F8	63.9	62.2	64.6	8/24	1.0	1.0	23
REV 49R22	63.7	•	•	8/30	1.0	1.0	32
Croplan RC4877	63.6	64.1	68.0	8/27	1.0	1.0	29
Armor ARX1478	63.5	•	•	8/24	1.0	2.0	28
Schillinger 495.RC	63.2	67.4	65.9	8/31	1.0	1.0	31
ASGROW AG4730	63.1	•	•	8/25	1.0	1.0	24
HBK R4829	63.1	•	•	8/29	1.0	1.0	24
REV 48R21	62.8	•	•	8/31	1.0	1.0	25
Armor ARX1477	62.6	•	•	8/24	1.0	1.0	24
Delta Grow 4880RR	62.6	•	•	8/31	1.0	1.0	24
Delta King DKX1491	62.6	•	•	8/31	1.0	1.0	25
USG 74B58	62.2	69.0	•	8/22	1.0	2.0	20
MorSoy R2S 481	62.0	•	•	8/29	1.0	1.0	27
Delta Grow 4970RR	61.7	66.3	65.6	9/02	1.0	1.0	29
MorSoy RT 4707N	61.6	64.2	67.4	8/29	1.0	1.0	31
Armor ARX1471	61.3	•	•	8/18	1.0	1.3	28
Delta Grow 4975RR	60.8	63.8	63.9	8/31	1.0	1.0	31

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
	.....bu/A.....			Date	Score	Score	Height
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Armor ARX1482	60.7	•	•	8/27	1.0	1.0	26
Delta King DKR4744	60.5	•	•	8/27	1.0	1.0	27
HBK R4924	60.4	62.3	64.8	8/29	1.0	1.0	28
Progeny 4750RR	60.4	•	•	8/29	1.0	1.0	25
Croplan R2T4799S	60.0	•	•	8/27	1.0	1.0	27
Progeny 4807RR	59.8	65.9	68.4	8/25	1.0	1.0	26
Eagle Seed ES4998	59.6	•	•	8/24	1.0	1.0	31
MorSoy R2 496	59.5	•	•	9/01	1.0	1.0	24
Delta Grow 4870RR	59.2	63.1	66.0	8/25	1.0	1.0	26
Dyna-Gro 36Y48	59.2	63.5	63.5	9/02	1.0	1.0	30
MorSoy RTS 4824	59.1	62.5	•	9/01	1.0	1.0	30
Armor 47-R33	58.7	62.9	•	8/26	1.0	1.0	28
Armor ARX1472	58.7	•	•	8/16	1.0	1.0	26
Eagle Seed ES4777	58.5	•	•	8/31	1.0	1.0	29
Progeny 4920RY	58.4	•	•	9/01	1.0	1.0	29
Delta Grow 4795RR2	57.9	•	•	8/26	1.0	1.0	27
REV 48R10	57.8	63.6	•	8/25	1.0	1.3	24
Delta King DKX1473	57.6	•	•	8/23	1.0	1.0	26
Delta Grow 4770RR	57.5	56.6	60.7	8/20	1.0	2.0	25
MorSoy RT 4914N	57.5	58.2	61.4	9/02	1.0	1.0	34
Croplan RC4749	57.4	•	•	8/30	1.0	1.0	24
HBK R4729	57.2	60.3	•	8/25	1.0	1.0	30
S06-3095	56.5	63.1	•	9/01	1.0	1.0	29
MorSoy Xtra 51X10	56.3	•	•	9/03	1.0	1.0	18
MorSoy RTS 4955N	56.2	56.8	60.7	9/02	1.0	1.0	27
Dyna-Gro 33G48	56.1	•	•	9/01	1.0	1.0	27
Croplan RC4757S	55.9	•	•	8/27	1.0	1.0	24
Delta King DKX1474	55.7	•	•	8/24	1.0	1.0	31
Delta King DK4968	54.6	61.2	61.0	8/27	1.0	1.0	30
MorSoy RTS4706	52.3	62.1	61.7	8/27	1.0	1.0	24
MorSoy Xtra 47X10	49.7	•	•	8/25	1.0	1.0	24
REV 47R22	48.9	•	•	8/20	1.0	1.0	30
Schillinger 4990.RC	44.5	53.0	•	8/31	1.0	1.0	26
GRAND MEAN	60.7	•	•	8/28	1.0	1.1	27
LSD (5%)	7.4	•	•	3	•	0.1	•
C.V.	8.7	•	•	7	•	8.2	•

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2-Year ¹		3-Year ²	Maturity Date	Lodging Score	Shatter Score	Plant Height
	2010	Average	Average				
	.....bu/A.....						
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
Progeny 5115RR	63.8	64.9	61.3	9/03	1.0	1.0	35
ASGROW AG5331	58.4	•	•	9/04	1.0	1.0	18
Progeny 5110RY	58.2	•	•	9/03	1.0	1.0	18
Progeny 5330RR	55.3	•	•	9/07	1.0	1.0	26
S06-4649	54.7	62.7	•	9/06	1.0	1.0	29
Eagle Seed ES5355	54.3	•	•	9/07	1.0	1.0	22
Dyna-Gro 37RY52	54.2	•	•	9/03	1.0	1.0	25
Delta Grow 5275RR2	53.9	•	•	9/03	1.0	1.0	25
S06-3053	53.2	•	•	9/02	1.0	1.0	28
Delta Grow 5300RR/STS	49.4	57.4	57.9	9/05	1.0	1.0	25
Croplan RC5007S	49.1	•	•	9/05	1.0	1.0	24
Progeny 5218RR	49.1	52.3	51.2	9/08	1.0	1.0	25
Progeny 5210RY	48.0	•	•	9/03	1.0	1.0	22
Dyna-Gro 33B52	47.6	54.9	52.1	9/06	1.0	1.0	21
HBK R5226	46.1	54.4	51.9	9/08	1.0	1.0	22
Delta Grow 5280RR	45.1	57.6	53.9	9/10	1.0	1.0	23
Progeny 5310RY	45.0	•	•	9/09	3.0	1.0	45
Delta King DKX1539	44.6	•	•	9/09	3.3	1.0	50
Terral TV52R79	43.8	•	•	9/10	1.0	1.0	22
GRAND MEAN	51.2	•	•	9/06	1.2	1.0	27
LSD (5%)	6.8	•	•	2	0.2	•	•
C.V.	9.3	•	•	24	9.4	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, and 2010.

Soil Series Hebert silt loam
 Previous Crop Soybean
 Row Width 19 in
 Fertilizer Applied 0-0-150, 4/13
 Planting Date 4/15
 Herbicide Applications Cornerstone, 5/6; Cornerstone, 5/27; Cornerstone, 6/15
 Insecticide Applications Birgade, 8/12
 Irrigation Dates 6/8, 6/22, 7/13, 7/23, 8/3, 8/16
 Harvest Dates MG 4E, 8/31; MG 4L, 9/7; MG 5, 9/13

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	3.8	2.2	1.7	3.8	6.4	17.8
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-1.3	-2.5	-1.8	-0.1	3.7	-2.0

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Scott Matthews Farm, Poinsett County, Ark., 2010¹.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Lodging Score	Shatter Score	Plant Height
.....bu/A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>						
Armor 42-M1	47.8	59.4	65.4	1.0	1.3	18
REV 44R22	45.7	•	•	1.3	1.7	20
USG 74A45	45.5	61.3	68.6	1.7	2.0	26
HBK R4527	45.3	57.4	66.7	2.3	1.7	21
MorSoy Xtra 46X29	44.8	•	•	1.7	1.3	20
Delta King DKR4440	44.6	•	•	1.7	2.3	26
USG 74C69	44.3	56.1		1.7	1.0	27
Schillinger 457.RCP	43.4	58.9	67.0	1.7	1.0	24
Progeny 4510RY	42.0	•	•	1.7	1.0	18
Progeny 4610RY	41.3	•	•	1.7	1.3	19
REV 45R10	40.8	58.4	•	2.0	2.7	24
S07-15722	40.3	•	•	1.7	2.0	25
Progeny 4209RY	39.8	•	•	1.7	1.0	19
Croplan RC4417	39.5	56.6	60.9	1.7	3.7	21
Progeny 4606RR	39.5	60.1	68.8	1.0	1.3	17
USG 74T59	39.5	•	•	2.7	2.3	22
Dyna-Gro 36C44	39.4	56.1		1.7	1.7	15
Delta Grow 4470RR/STS	39.0	53.9	61.8	1.3	2.3	13
Progeny 4206RR	38.9	54.2	60.2	1.3	2.0	20
Schillinger 458.RCS	38.8	56.1	65.7	1.3	2.3	22
ASGROW AG4630	38.0	•	•	1.7	1.3	20
ASGROW AG4531	36.5	•	•	1.3	1.0	19
Dyna-Gro 35X43	36.1	•	•	2.0	1.7	20
Progeny 3910RY	34.1	•	•	2.5	2.6	23
Progeny 3909RR	28.8	55.7	•	1.7	2.7	16
GRAND MEAN	40.5	•	•	1.7	1.8	21
LSD (5%)	7.4	•	•	0.8	0.7	3
C.V.	11.0	•	•	29.3	24.0	9

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Scott Matthews Farm, Poinsett County, Ark., 2010¹, Continued.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Lodging Score	Shatter Score	Plant Height
.....bu/A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>						
Progeny 4750RR	53.6	•	•	1.3	1.3	21
Delta King DKX1492	49.6	•	•	1.7	1.0	20
Schillinger 495.RC	49.5	63.2	71.1	2.0	1.0	22
Croplan RC4877	47.0	59.9	73.4	2.0	1.3	23
Armor 47-G10	46.0	62.9	•	2.0	2.0	26
Delta Grow 4795RR2	45.3	•	•	1.0	1.0	19
Dyna-Gro 36Y48	45.3	58.0	70.2	2.0	1.3	25
HBK R4729	45.2	59.4	•	2.0	1.0	20
Croplan RC4749	45.0	•	•	1.0	1.0	19
ASGROW AG4730	44.9	•	•	1.7	1.0	19
Progeny 4710RY	44.4	•	•	1.0	1.0	20
REV 49R22	44.3	•	•	2.0	2.0	24
MorSoy Xtra 47X10	43.5	•	•	1.0	1.0	18
Schillinger 4990.RC	43.5	61.7	•	2.0	1.0	25
Progeny 4906RR	43.4	59.3	72.1	2.0	1.0	24
Delta King DK4968	43.3	59.6	65.9	2.0	1.3	23
REV 48R22	43.2	•	•	1.7	2.3	19
MorSoy RTS 4955N	43.1	59.1	69.0	2.0	1.3	22
MorSoy R2 496	42.9	•	•	1.7	1.0	20
Delta King DKX1474	42.8	•	•	1.3	1.0	23
HBK R4829	42.6	•	•	1.7	1.0	18
Delta King DKX1491	42.5	•	•	1.7	1.0	19
Delta Grow 4975RR	42.1	58.7	69.4	2.0	1.0	21
Armor ARX1482	41.6	•	•	1.0	1.0	19
Croplan R2T4799S	41.5	•	•	1.0	1.3	18
MorSoy Xtra 48X00	41.4	•	•	1.7	1.7	18
Delta Grow 4870RR	40.9	54.7	70.5	1.7	1.0	19
Eagle Seed ES4998	40.9	•	•	2.0	1.7	22
Armor 47-F8	40.4	53.1	65.1	1.3	1.7	20
MorSoy Xtra 51X10	40.4	•	•	1.7	1.0	19
S06-3095	40.4	59.2	•	1.3	1.0	25
MorSoy Xtra 49X10	40.3	•	•	1.7	1.0	19

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Scott Matthews Farm, Poinsett County, Ark., 2010¹, Continued.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Lodging Score	Shatter Score	Plant Height
.....bu/A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>						
Delta King DKR4744	40.0	•	•	1.3	1.0	19
Armor 47-R33	39.8	59.9	•	1.0	1.0	18
MorSoy RT 4914N	39.8	59.3	68.6	2.0	1.3	24
REV 48R10	39.8	55.8	•	1.3	2.3	19
Schillinger 478.RCS	39.5	56.5	67.3	1.7	1.0	19
MorSoy RTS4706	39.3	54.3	66.6	1.0	1.0	20
REV 49R11	39.1	•	•	1.0	2.0	17
Delta Grow 4880RR	38.8	•	•	1.0	1.3	20
Delta Grow 4970RR	38.3	57.6	66.6	2.0	1.3	21
Dyna-Gro 35RY47	38.3	•	•	1.0	1.7	20
Progeny 4949RR	38.2	55.7	64.8	1.0	1.3	23
Progeny 4920RY	38.0	•	•	1.7	1.0	20
Delta King DKX1473	37.7	•	•	1.7	2.0	22
Dyna-Gro 33G48	37.7	•	•	1.3	1.3	18
Progeny 4810RY	37.5	•	•	1.3	1.0	18
Eagle Seed ES4777	37.2	•	•	2.0	1.0	21
REV 48R21	37.2	•	•	1.0	1.0	18
Eagle Seed ES4818	36.8	56.6	67.9	2.7	2.0	26
MorSoy RTS 4824	36.7	54.3	•	1.7	1.0	19
Progeny 4807RR	36.7	59.6	70.9	2.0	1.7	20
REV 47R22	36.5	•	•	1.3	2.0	20
Armor ARX1481	36.1	•	•	1.3	1.0	18
Armor ARX1472	35.9	•	•	1.0	2.0	17
MorSoy R2S 481	35.8	•	•	1.3	1.0	18
Progeny 4908RR	35.7	55.9	64.0	1.3	1.7	22
Armor ARX1478	35.5	•	•	1.0	1.7	17
Armor ARX1471	35.1	•	•	1.0	2.0	18
Croplan RC4757S	34.7	•	•	1.3	1.3	18
USG 74B58	34.7	51.4	•	1.3	2.0	17
HBK R4924	34.1	56.7	69.5	2.0	1.0	27
Armor ARX1477	34.0	•	•	1.3	1.7	16
MorSoy RT 4707N	32.5	53.9	70.2	1.7	1.7	23
Delta Grow 4770RR	31.7	49.3	62.2	2.0	2.7	20
GRAND MEAN	40.3	•	•	1.5	1.4	20
LSD (5%)	9.1	•	•	0.6	0.6	3
C.V.	14.0	•	•	24.6	25.1	9

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Scott Matthews Farm, Poinsett County, Ark., 2010¹, Continued.

¹The MG 5 test at this location was not reported due to poor uniformity.

²Average Yield for 2009 and 2010.

³Average Yield for 2008, 2009, and 2010.

Soil Series Henry silt loam
 Previous Crop Soybean
 Fertilizer Applied 0-27-75 + 2 B
 Row Width 15 inches
 Planting Date 4/15
 Herbicide Applications Touchdown + Prefix, 4/2; Roundup™ Power Max, 5/12, 6/7
 Insecticide Application Karate, 7/21, Karate + Orthene, 8/7
 Irrigation Dates 6/30, 7/29, 8/10
 Harvest Dates MG 4E, 9/17; MG 4L, 9/17

	<u>Precipitation (inches)</u>					Total
	April	May	June	July	August	
2010	0.6	2.0	0.6	6.4	0.0	9.5

Table 6. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2010¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser		Double-Crop		Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³		Clay ⁴ Average	All-Location Average
		Irrigated	Non-Irrigated	Irrigated	Crop					Average	Loam		
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>													
eMerge XP4520	Conv.	65.2	34.0	61.9	37.6	56.7	42.0	•	•	47.2	50.8	49.6	
HALO 4:65	LL	83.8	36.6	83.9	43.6	63.3	49.5	•	•	53.4	63.5	60.1	
MPG-X-410-1	Conv.	73.6	29.9	67.3	44.8	59.3	43.0	•	•	52.0	53.4	53.0	
Syngenta S46-U6 Brand ⁵	RR1	89.2	40.8	83.0	52.6	63.8	46.3	•	•	58.2	64.8	62.6	
S07-5049	Conv.	73.4	31.5	68.8	37.1	52.7	41.4	•	•	44.9	53.8	50.8	
S07-5151	Conv.	71.5	36.3	62.7	41.7	64.0	51.3	•	•	52.8	55.5	54.6	
GRAND MEAN		76.1	34.9	71.3	42.9	60.0	45.6	•	•	51.4	56.9	55.1	
LSD (5%)		2.7	2.6	5.5	6.9	5.6	7.6	•	•	6.3	4.6	5.2	
C.V.		1.9	4.0	4.3	8.7	5.2	9.2	•	•	6.9	4.9	5.6	
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>													
Armor ARX492	Conv.	75.4	46.0	74.2	51.3	63.2	57.8	•	•	57.2	63.4	61.3	
Dyna-Gro 37P49 ⁵	RR1	70.0	34.8	65.3	38.7	59.2	51.4	•	•	48.9	55.4	53.2	
eMerge XC4910	Conv.	70.4	39.6	60.6	36.4	58.5	50.2	•	•	47.5	55.2	52.6	
HALO 4:94	LL	74.7	48.8	69.3	42.4	54.0	50.4	•	•	48.2	60.8	56.6	
HBK C4926	Conv.	72.6	36.7	64.1	36.4	55.5	52.6	•	•	45.9	56.5	53.0	
HBK C4929	Conv.	78.8	42.2	76.0	40.6	57.5	53.5	•	•	49.0	62.6	58.1	
Progeny 4860LL	LL	68.9	34.8	74.3	38.4	53.0	51.6	•	•	45.7	57.4	53.5	
Progeny 4910	Conv.	76.4	43.0	65.6	47.7	56.2	51.3	•	•	52.0	59.1	56.7	
Progeny 4928LL	LL	79.6	44.4	77.6	42.5	60.0	55.8	•	•	51.3	64.3	60.0	
Progeny 4960LL	LL	79.7	39.5	76.4	36.8	63.2	48.9	•	•	50.0	61.1	57.4	
Progeny 4990	Conv.	68.9	44.0	65.7	37.6	53.1	50.8	•	•	45.3	57.4	53.4	
R05-3239	Conv.	68.9	48.0	71.0	47.2	55.5	54.9	•	•	51.4	60.7	57.6	
S07-5117	Conv.	79.4	37.9	72.8	35.9	62.6	51.9	•	•	49.2	60.5	56.7	
SS-09L49N	LL	77.2	44.1	77.6	42.8	58.6	56.0	•	•	50.7	63.7	59.4	
SS-11L48N	LL	69.5	33.7	74.1	41.4	51.3	48.1	•	•	46.4	56.4	53.0	
SSC-049N	Conv.	70.7	48.8	71.0	45.2	55.2	54.6	•	•	50.2	61.2	57.6	

Table 6. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser										All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Average	Loam Average	Clay ⁴ Average	
Maturity Group IV Late (RM 4.7 to 4.9) Continued												
Stine 49L28	LL	64.1	42.5	65.9	44.7	50.9	52.5	•	47.8	56.3	53.4	
UA 4805	Conv.	74.0	46.6	76.3	44.9	52.9	48.7	•	48.9	61.4	57.2	
UA 4910	Conv.	70.2	43.1	69.5	40.3	58.8	47.6	•	49.5	57.6	54.9	
USG 74G99L	LL	76.4	42.4	69.7	40.6	60.7	52.4	•	50.6	60.2	57.0	
V03-4660	Conv.	64.9	41.7	61.2	43.8	55.4	53.4	•	49.6	55.3	53.4	
GRAND MEAN		72.9	42.0	70.4	41.7	56.9	52.1	•	49.3	59.4	56.0	
LSD (5%)		7.7	9.3	6.3	5.6	6.9	7.6	•	6.3	7.7	7.2	
C.V.		6.4	13.3	5.4	8.2	7.3	8.8	•	7.8	8.5	8.2	
Maturity Group V Early (RM 5.0 to 5.5)												
DB03-8416	Conv.	71.8	53.3	65.8	38.6	57.0	59.0	37.7	44.4	62.5	54.7	
DB04-10836	Conv.	74.3	47.5	67.1	41.9	59.6	51.6	39.5	47.0	60.1	54.5	
DB06-3442	Conv.	73.2	47.7	66.6	40.1	64.7	57.9	38.3	47.7	61.3	55.5	
Dyna-Gro 33B52 ⁵	RR1	77.5	46.0	69.4	42.0	61.3	58.6	46.2	49.8	62.9	57.3	
Dyna-Gro SX10354L	LL	77.5	37.0	71.1	40.0	58.7	47.0	34.4	44.4	58.1	52.2	
eMerge XC5110	Conv.	75.9	37.8	64.3	46.3	64.1	48.6	33.5	48.0	56.7	52.9	
GLENN	Conv.	73.3	31.5	70.7	43.0	59.9	49.8	38.0	47.0	56.3	52.3	
HALO 5:25	LL	72.9	46.2	59.9	42.1	57.8	53.3	48.0	49.3	58.1	54.3	
HBK C5025	Conv.	75.5	37.8	66.4	42.8	57.5	52.8	28.0	42.7	58.1	51.5	
HBK C5528	Conv.	70.9	53.4	63.2	43.8	56.3	54.3	34.2	44.8	60.5	53.7	
Hutcheson	Conv.	69.5	45.9	61.6	50.1	62.1	50.0	44.2	52.1	56.8	54.8	
JAKE	Conv.	72.2	44.3	68.5	47.1	56.0	53.4	35.8	46.3	59.6	53.9	
MorSoy CB5209	Conv.	70.3	36.2	67.7	43.1	52.2	57.3	34.7	43.3	57.9	51.7	
Ozark	Conv.	70.9	47.4	68.6	44.6	63.0	57.2	41.7	49.8	61.0	56.2	
Progeny 5160LL	LL	81.5	42.7	63.1	41.7	59.6	56.3	39.1	46.8	60.9	54.8	
Progeny 5460LL	LL	77.8	40.6	72.5	42.2	61.2	46.2	34.5	46.0	59.3	53.6	
S05-11268	Conv.	73.5	45.3	69.6	42.4	59.6	51.8	45.3	49.1	60.0	55.3	
S05-11482	Conv.	72.2	52.8	67.2	46.9	67.0	59.3	49.2	54.4	62.9	59.2	

Table 6. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Keiser Double-Crop				Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Average	Loam Average	Clay ⁴ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated							
Maturity Group V Early (RM 5.0 to 5.5) Continued																
SS-10L51N	LL	71.8	41.8	69.8	43.7	57.4	53.6	43.1	48.1	59.2	54.5					
SSC-051N	Conv.	78.0	51.0	72.2	45.5	64.1	59.8	44.4	51.3	65.2	59.3					
Stine 51LA02	LL	70.2	50.0	58.5	42.5	56.1	58.9	44.8	47.8	59.4	54.4					
V03-4705	Conv.	75.5	39.7	60.5	45.0	56.1	51.1	25.5	42.2	56.7	50.5					
GRAND MEAN		73.9	44.4	66.5	43.4	59.6	54.0	39.1	47.4	59.7	54.4					
LSD (5%)		8.6	8.3	8.9	6.4	6.7	7.2	6.0	6.4	8.3	7.5					
C.V.		7.1	11.2	8.1	9.0	5.4	8.1	9.3	7.9	8.6	8.3					
Maturity Group V Late (RM 5.6 to 5.9)																
DB06-2257	Conv.	65.3	35.1	62.3	26.3	53.1	50.9	43.9	41.1	53.4	48.1					
HALO 5:65	LL	70.6	40.6	65.9	24.7	61.3	53.0	32.0	39.3	57.5	49.7					
Osage	Conv.	71.8	48.8	70.0	22.5	61.6	59.2	38.8	40.9	62.4	53.2					
Progeny 5770	Conv.	77.5	35.4	68.5	36.5	62.7	55.3	48.5	49.2	59.2	54.9					
Progeny 5960LL	LL	71.6	32.1	59.1	30.8	60.8	49.5	38.0	43.2	53.1	48.8					
R04-357	Conv.	77.6	41.0	71.8	46.1	69.1	60.5	46.0	53.7	62.7	58.9					
R04-572	Conv.	68.7	48.7	66.8	25.9	50.7	48.9	36.5	37.7	58.3	49.5					
R05-235	Conv.	73.9	41.6	65.7	37.0	65.8	62.2	44.8	49.2	60.9	55.9					
R06-4433	Conv.	69.4	52.2	62.6	23.8	61.6	63.5	46.8	44.1	61.9	54.3					
Terral TV59R16 ⁵	RR1	80.6	58.7	74.4	34.5	64.0	61.5	47.9	48.8	68.8	60.2					
GRAND MEAN		72.7	43.4	66.7	30.8	61.1	56.4	42.3	44.7	59.8	53.3					
LSD (5%)		6.4	14.5	6.2	10.5	8.7	6.5	7.2	8.8	8.4	8.6					
C.V.		5.1	13.0	5.4	15.0	6.3	6.6	9.9	10.4	7.5	8.8					

Table 6. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

¹Many of the test yields this year are lower than expected due to extended periods of hot and dry weather.

Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Nonirrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

Kibler Irrigated = Vegetable Research Station. Soil series = Roxanna silt loam.

² Only Maturity Group V varieties and strains tested at this location.

³ Average yields from Marianna Irrigated, Stuttgart Irrigated and Kibler Irrigated.

⁴ Average yields from Keiser Irrigated, Keiser Nonirrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

⁵ Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2008 and 2009 Roundup Ready™ Full-Season Variety Tests.

Table 7. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
NK S46-U6 Brand	89.2	81.2	•	9/27	1.3	1.0	42
HALO 4:65	83.8	80.3	•	9/26	1.0	1.0	31
MPG-X-410-1	73.6	•	•	9/26	1.0	1.0	43
S07-5049	73.4	•	•	9/26	1.0	1.0	42
S07-5151	71.5	•	•	9/26	1.0	1.0	35
eMerge XP4520	65.2	•	•	9/27	1.0	1.0	47
GRAND MEAN	76.1	•	•	9/27	1.1	1.0	40
LSD (5%)	2.7	•	•	1	0.4	•	•
C.V.	1.9	•	•	3	22.3	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Progeny 4960LL	79.7	•	•	09/27	1.3	1.0	51
Progeny 4928LL	79.6	•	•	09/28	1.0	1.0	49
S07-5117	79.4	•	•	09/27	1.0	1.0	43
HBK C4929	78.8	79.4	•	09/28	1.7	1.0	51
SS-09L.49N	77.2	77.6	•	09/28	1.3	1.0	48
USG 74G99L	76.4	•	•	09/30	1.3	1.0	48
Progeny 4910	76.4	76.9	73.5	10/02	1.7	1.0	51
Armor ARX492	75.4	•	•	09/28	1.0	1.0	36
HALO 4:94	74.7	76.1	•	09/29	1.0	1.0	46
UA 4805	74.0	69.4	66.2	09/29	1.0	1.0	35
HBK C4926	72.6	73.3	70.1	09/28	2.0	1.0	46
SSC-049N	70.7	•	•	09/30	1.0	1.0	29
eMerge XC4910	70.4	•	•	10/02	1.0	1.0	44
UA 4910	70.2	71.9	69.4	09/27	1.0	1.0	42
Dyna-Gro 37P49	70.0	74.4	•	09/27	1.0	1.0	43
SS-11L.48N	69.5	•	•	09/28	1.0	1.0	48
Progeny 4990	68.9	71.1	•	09/28	1.3	1.0	48
Progeny 4860LL	68.9	•	•	09/27	1.0	1.0	50
R05-3239	68.9	•	•	09/27	1.0	1.0	29

Table 7. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
V03-4660	64.9	69.4	•	09/28	1.0	1.0	32
Stine 49L28	64.1	•	•	10/03	1.0	1.0	32
GRAND MEAN	72.9	•	•	09/28	1.2	1.0	43
LSD (5%)	7.7	•	•	6	0.5	•	•
C.V.	6.4	•	•	12	26.2	•	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Progeny 5160LL	81.5	•	•	09/30	1.0	1.0	47
SSC-051N	78.0	•	•	09/29	1.0	1.0	32
Progeny 5460LL	77.8	•	•	10/01	1.3	1.0	35
Dyna-Gro 33B52	77.5	73.9	•	10/01	1.0	1.0	36
Dyna-Gro SX10354L	77.5	•	•	09/30	1.0	1.0	50
eMerge XC5110	75.9	•	•	10/01	1.3	1.0	41
HBK C5025	75.5	74.6	70.0	10/02	2.0	1.0	48
V03-4705	75.5	•	•	10/05	1.3	1.0	42
DB04-10836	74.3	71.3	•	10/03	1.7	1.0	42
S05-11268	73.5	70.8	•	10/01	1.0	1.0	33
GLENN	73.3	72.9	•	10/04	1.0	1.0	34
DB06-3442	73.2	•	•	09/30	1.0	1.0	35
HALO 5:25	72.9	76.8	•	09/30	1.0	1.0	29
S05-11482	72.2	72.4	•	09/29	1.0	1.0	31
JAKE	72.2	74.4	68.7	10/03	1.0	1.0	35
SS-10L.51N	71.8	76.1	•	10/01	1.0	1.0	29
DB03-8416	71.8	•	•	10/03	1.3	1.0	40
HBK C5528	70.9	70.6	•	10/07	1.0	1.0	38
Ozark	70.9	73.0	67.0	10/01	1.0	1.0	29
MorSoy CB5209	70.3	73.0	•	10/06	1.0	1.0	33
Stine 51LA02	70.2	•	•	10/03	1.3	1.0	29
Hutcheson	69.5	69.6	66.5	10/01	1.3	1.0	36
GRAND MEAN	73.9	•	•	10/02	1.2	1.0	37
LSD (5%)	8.6	•	•	4	0.5	•	•
C.V.	7.1	•	•	7	28.5	•	•

Table 7. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Terral TV59R16	80.6	•	•	10/6	1.0	1.0	34
R04-357	77.6	77.5	73.8	10/6	1.0	1.0	36
Progeny 5770	77.5	80.1	75.3	10/8	1.0	1.0	32
R05-235	73.9	•	•	10/5	1.0	1.0	34
Osage	71.8	72.8	70.9	10/3	1.0	1.0	31
Progeny 5960LL	71.6	•	•	10/4	1.0	1.0	34
HALO 5:65	70.6	72.8	•	10/3	1.0	1.0	37
R06-4433	69.4	•	•	10/7	1.0	1.0	35
R04-572	68.7	•	•	10/7	1.0	1.0	35
DB06-2257	65.3	•	•	10/3	1.0	1.0	34
GRAND MEAN	72.7	•	•	10/5	1.0	1.0	34
LSD (5%)	6.4	•	•	2	•	•	•
C.V.	5.1	•	•	22	•	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series	Sharky silty clay
Previous Crop	Grain sorghum
Row Width	38 inches
Planting Date	5/27
Herbicide Applications	Sencor + Dual Magnum, 5/28; Flexstar + Select, 6/18, 6/28, 7/21
Insecticide Applications	Karate, 8/24
Irrigation Date	6/23, 7/22, 8/2, 8/10, 8/23
Harvest Dates	MG 4E, 10/4; MG 4L, 10/4; MG 5E, 10/14; MG 5L 10/14

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	2.7	8.9	0.3	3.5	0.1	15.5
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.2	3.7	-3.7	-0.2	-2.7	-5.1

Table 8. Performance of Nonirrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
NK S46-U6 Brand	40.8	54.5	•	9/23	1.0	1.0	40
HALO 4:65	36.6	47.2	•	9/19	1.0	1.0	37
S07-5151	36.3	•	•	9/18	1.0	1.0	34
eMerge XP4520	34.0	•	•	9/21	1.0	1.0	37
S07-5049	31.5	•	•	9/18	1.0	1.0	34
MPG-X-410-1	29.9	•	•	9/20	1.0	1.0	37
GRAND MEAN	34.9	•	•	9/20	1.0	1.0	37
LSD (5%)	2.6	•	•	2	•	•	•
C.V.	4.0	•	•	5	•	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
HALO 4:94	48.8	63.5	•	09/21	1.0	1.0	33
SSC-049N	48.8	•	•	09/24	1.0	1.0	26
R05-3239	48.0	•	•	09/24	1.0	1.0	24
UA 4805	46.6	57.0	57.3	09/21	1.0	1.0	32
Armor ARX492	46.0	•	•	09/23	1.0	1.0	29
Progeny 4928LL	44.4	•	•	09/23	1.0	1.0	35
SS-09L.49N	44.1	60.3	•	09/20	1.0	1.0	36
Progeny 4990	44.0	56.7	•	09/20	1.0	1.0	35
UA 4910	43.1	56.5	59.6	09/21	1.0	1.0	35
Progeny 4910	43.0	56.5	56.4	09/23	1.0	1.0	42
Stine 49L28	42.5	•	•	10/01	1.0	1.0	28
USG 74G99L	42.4	•	•	09/22	1.0	1.0	37
HBK C4929	42.2	56.5	•	09/19	1.0	1.0	43
V03-4660	41.7	53.9	•	09/24	1.0	1.0	29
eMerge XC4910	39.6	•	•	09/25	1.0	1.0	35
Progeny 4960LL	39.5	•	•	09/21	1.0	1.0	38
S07-5117	37.9	•	•	09/24	1.0	1.0	35
HBK C4926	36.7	55.1	56.8	09/24	1.0	1.0	38
Dyna-Gro 37P49	34.8	53.2	•	09/20	1.0	1.0	32

Table 8. Performance of Nonirrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
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.....bu/A.....

Maturity Group IV Late (RM 4.7 to 4.9) Continued

Progeny 4860LL	34.8	•	•	09/20	1.0	1.0	41
SS-11L.48N	33.7	•	•	09/20	1.0	1.0	40
GRAND MEAN	42.0	•	•	09/22	1.0	1.0	34
LSD (5%)	9.3	•	•	4	•	•	•
C.V.	13.3	•	•	12	•	•	•

Maturity Group V Early (RM 5.0 to 5.5)

HBK C5528	53.4	58.9	•	10/03	1.0	1.0	39
DB03-8416	53.3	•	•	09/30	1.0	1.0	36
S05-11482	52.8	61.7	•	09/28	1.0	1.0	31
SSC-051N	51.0	•	•	09/29	1.0	1.0	32
Stine 51LA02	50.0	•	•	09/30	1.0	1.0	29
DB06-3442	47.7	•	•	09/28	1.0	1.0	34
DB04-10836	47.5	58.1	•	09/27	1.0	1.0	36
Ozark	47.4	59.0	60.3	10/02	1.0	1.0	35
HALO 5:25	46.2	59.5	•	09/30	1.0	1.0	27
Dyna-Gro 33B52	46.0	56.5	•	09/29	1.0	1.0	34
Hutcheson	45.9	56.3	57.6	09/29	1.0	1.0	32
S05-11268	45.3	55.6	•	09/30	1.0	1.0	29
JAKE	44.3	57.9	59.1	09/28	1.0	1.0	34
Progeny 5160LL	42.7	•	•	10/01	1.0	1.0	26
SS-10L.51N	41.8	55.2	•	09/29	1.0	1.0	27
Progeny 5460LL	40.6	•	•	09/28	1.0	1.0	34
V03-4705	39.7	•	•	09/28	1.0	1.0	29
eMerge XC5110	37.8	•	•	09/28	1.0	1.0	31
HBK C5025	37.8	54.1	57.5	10/01	1.0	1.0	39
Dyna-Gro SX10354L	37.0	•	•	09/28	1.0	1.0	36
MorSoy CB5209	36.2	53.4	•	10/01	1.0	1.0	35
GLENN	31.5	55.4	•	09/30	1.0	1.0	28
GRAND MEAN	44.4	•	•	09/29	1.0	1.0	32
LSD (5%)	8.3	•	•	2	•	•	•
C.V.	11.2	•	•	4	•	•	•

Table 8. Performance of Nonirrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Terral TV59R16	58.7	•	•	10/02	1.0	1.0	35
R06-4433	52.2	•	•	10/04	1.0	1.0	33
Osage	48.8	58.6	59.2	09/30	1.0	1.0	22
R04-572	48.7	•	•	10/04	1.0	1.0	34
R05-235	41.6	•	•	10/04	1.0	1.0	30
R04-357	41.0	56.8	58.5	10/03	1.0	1.0	35
HALO 5:65	40.6	54.6	•	10/03	1.0	1.0	33
Progeny 5770	35.4	56.6	58.8	10/05	1.0	1.0	31
DB06-2257	35.1	•	•	10/01	1.0	1.0	32
Progeny 5960LL	32.1	•	•	10/05	1.0	1.0	34
GRAND MEAN	43.4	•	•	10/03	1.0	1.0	32
LSD (5%)	14.5	•	•	2	•	•	•
C.V.	13.0	•	•	3	•	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series Sharky silty clay
Previous Crop Grain sorghum
Row Width 38 inches
Planting Date 5/28
Herbicide Applications Sencor + Dual Magnum, 5/28; Flexstar + Select, 6/18, 6/28, 7/21
Insecticides Applications Karate, 8/24
Harvest Dates MG 4E, 10/5; MG 4L, 10/5; MG 5E, 10/12; MG 5L 10/12

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	2.7	8.9	0.3	3.5	0.1	15.5
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.2	3.7	-3.7	-0.2	-2.7	-5.1

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
HALO 4:65	83.9	73.1	•	09/30	1.7	1.0	38
NK S46-U6 Brand	83.0	73.0	•	10/01	1.0	1.0	45
S07-5049	68.8	•	•	09/29	1.7	1.0	37
MPG-X-410-1	67.3	•	•	09/30	1.3	1.0	38
S07-5151	62.7	•	•	09/29	2.3	1.0	43
eMerge XP4520	61.9	•	•	10/02	2.0	1.0	40
GRAND MEAN	71.3	•	•	09/30	1.7	1.0	40
LSD (5%)	5.5	•	•	1	0.9	•	•
C.V.	4.3	•	•	2	29.0	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Progeny 4928LL	77.6	•	•	10/02	1.7	1.0	41
SS-09L49N	77.6	74.5	•	10/03	1.7	1.0	40
Progeny 4960LL	76.4	•	•	10/01	1.7	1.0	43
UA 4805	76.3	71.4	60.1	10/04	1.7	1.0	35
HBK C4929	76.0	76.9	•	10/02	1.0	1.0	45
Progeny 4860LL	74.3	•	•	10/02	1.0	1.0	39
Armor ARX492	74.2	•	•	10/05	2.0	1.0	24
SS-11L48N	74.1	•	•	10/01	1.3	1.0	43
S07-5117	72.8	•	•	10/01	2.0	1.0	38
R05-3239	71.0	•	•	10/05	1.0	1.0	33
SSC-049N	71.0	•	•	10/04	2.0	1.0	33
USG 74G99L	69.7	•	•	10/02	1.3	1.0	39
UA 4910	69.5	63.2	62.3	10/02	1.0	1.0	37
HALO 4:94	69.3	70.8	•	10/05	1.0	1.0	40
Stine 49L28	65.9	•	•	10/06	1.7	1.0	32
Progeny 4990	65.7	70.5	•	10/01	1.3	1.0	46
Progeny 4910	65.6	67.0	63.7	10/06	2.7	1.0	40
Dyna-Gro 37P49	65.3	68.2	•	10/02	1.0	1.0	40
HBK C4926	64.1	67.9	63.6	10/01	2.0	1.0	43

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
V03-4660	61.2	63.9	•	10/05	2.7	1.0	34
eMerge XC4910	60.6	•	•	10/06	1.3	1.0	39
GRAND MEAN	70.4	•	•	10/03	1.6	1.0	38
LSD (5%)	6.3	•	•	2	0.8	•	•
C.V.	5.4	•	•	3	30.6	•	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Progeny 5460LL	72.5	•	•	10/02	1.7	1.0	42
SSC-051N	72.2	•	•	10/04	2.0	1.0	35
Dyna-Gro SX10354L	71.1	•	•	10/02	1.3	1.0	42
GLENN	70.7	72.3	•	10/05	1.7	1.0	31
SS-10L.51N	69.8	67.1	•	10/04	1.7	1.0	30
S05-11268	69.6	64.2	•	10/05	1.7	1.0	33
Dyna-Gro 33B52	69.4	66.2	•	10/03	1.7	1.0	36
Ozark	68.6	66.3	63.3	10/04	1.3	1.0	38
JAKE	68.5	69.8	66.9	10/05	1.3	1.0	36
MorSoy CB5209	67.7	67.7	•	10/12	1.0	1.0	38
S05-11482	67.2	65.3	•	10/05	1.7	1.0	36
DB04-10836	67.1	64.2	•	10/05	1.7	1.0	38
DB06-3442	66.6	•	•	10/03	1.0	1.0	37
HBK C5025	66.4	64.4	62.8	10/05	2.0	1.0	47
DB03-8416	65.8	•	•	10/03	2.0	1.0	34
eMerge XC5110	64.3	•	•	10/02	1.3	1.0	39
HBK C5528	63.2	63.5	•	10/12	1.0	1.0	44
Progeny 5160LL	63.1	•	•	10/05	1.0	1.0	28
Hutcheson	61.6	61.0	58.2	10/06	2.3	1.0	36
V03-4705	60.5	•	•	10/05	2.0	1.0	36
HALO 5:25	59.9	62.1	•	10/05	1.0	1.0	28
Stine 51LA02	58.5	•	•	10/07	1.3	1.0	33
GRAND MEAN	66.5	•	•	10/05	1.5	1.0	36
LSD (5%)	8.9	•	•	2	0.9	•	•
C.V.	8.1	•	•	28	35.6	•	•

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Terral TV59R16	74.4	•	•	10/10	1.0	1.0	32
R04-357	71.8	68.6	66.7	10/06	2.0	1.0	31
Osage	70.0	64.5	61.5	10/06	1.0	1.0	34
Progeny 5770	68.5	68.1	62.9	10/10	1.7	1.0	33
R04-572	66.8	•	•	10/09	1.0	1.0	36
HALO 5:65	65.9	65.4	•	10/05	1.0	1.0	34
R05-235	65.7	•	•	10/08	1.3	1.0	39
R06-4433	62.6	•	•	10/09	1.7	1.0	32
DB06-2257	62.3	•	•	10/06	1.3	1.0	33
Progeny 5960LL	59.1	•	•	10/07	1.0	1.0	34
GRAND MEAN	66.7	•	•	10/08	1.3	1.0	34
LSD (5%)	6.2	•	•	2	0.8	•	•
C.V.	5.4	•	•	16	36.6	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series	Sharkey silty clay
Previous Crop	Corn
Row Width	Four 7.5-inch rows on two 38-inch beds
Planting Date	6/16
Herbicide Applications	Sencor + Dual Magnum, 6/17; Flexstar + Select, 6/28, 7/21
Insecticides Applications	Karate, 8/24
Irrigation Dates	7/7, 7/22, 8/2, 8/6, 8/9, 8/13, 8/18, 9/8
Harvest Dates	MG 4E 10/19; MG 4L 10/19; MG 5E 10/20; MG 5L 10/20

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	2.7	8.9	0.3	3.5	0.1	15.5
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.2	3.7	-3.7	-0.2	-2.7	-5.1

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
NK S46-U6 Brand	52.6	63.7	•	9/17	2.0	1.0	46
MPG-X-410-1	44.8	•	•	9/11	4.3	1.3	43
HALO 4:65	43.6	51.0	•	9/16	2.7	2.0	42
S07-5151	41.7	•	•	9/10	4.3	1.0	43
eMerge XP4520	37.6	•	•	9/18	3.0	1.0	41
S07-5049	37.1	•	•	9/12	3.7	1.0	42
GRAND MEAN	42.9	•	•	9/14	3.3	1.2	43
LSD (5%)	6.9	•	•	2	1.3	0.4	•
C.V.	8.7	•	•	6	21.9	19.3	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor ARX492	51.3	•	•	9/22	3.7	1.3	38
Progeny 4910	47.7	55.2	60.4	9/28	2.7	1.0	51
R05-3239	47.2	•	•	9/26	1.0	1.0	41
SSC-049N	45.2	•	•	9/22	3.0	1.0	38
UA 4805	44.9	56.5	60.3	9/22	1.3	1.3	37
Stine 49L28	44.7	•	•	9/29	2.3	1.0	42
V03-4660	43.8	55.7	•	9/22	1.7	2.0	37
SS-09L.49N	42.8	60.4	•	9/27	1.3	1.0	47
Progeny 4928LL	42.5	•	•	9/27	1.3	1.0	44
HALO 4:94	42.4	55.3	•	9/30	1.0	1.0	39
SS-11L.48N	41.4	•	•	9/14	1.7	1.7	46
USG 74G99L	40.6	•	•	9/29	1.3	1.0	43
HBK C4929	40.6	52.3	•	9/25	1.7	1.0	47
UA 4910	40.3	60.3	66.4	9/20	1.7	1.3	41
Dyna-Gro 37P49	38.7	58.5	•	9/21	1.7	1.0	44
Progeny 4860LL	38.4	•	•	9/14	1.3	2.0	46
Progeny 4990	37.6	53.9	•	9/19	2.0	1.7	44
Progeny 4960LL	36.8	•	•	9/17	2.7	1.0	42
eMerge XC4910	36.4	•	•	9/25	1.7	1.0	42

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
HBK C4926	36.4	52.4	61.2	9/24	2.3	1.0	41
S07-5117	35.9	•	•	9/20	2.7	1.3	44
GRAND MEAN	41.7	•	•	9/23	1.9	1.2	43
LSD (5%)	5.6	•	•	3	0.9	0.5	•
C.V.	8.2	•	•	7	29.2	25.8	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Hutcheson	50.1	59.2	62.2	10/02	2.0	1.3	45
JAKE	47.1	61.2	68.4	10/02	1.0	1.3	40
S05-11482	46.9	58.5	•	09/19	2.3	1.3	43
eMerge XC5110	46.3	•	•	09/30	1.7	1.7	34
SSC-051N	45.5	•	•	09/18	3.0	1.0	35
V03-4705	45.0	•	•	09/25	1.7	3.0	40
Ozark	44.6	59.6	61.6	09/28	1.7	1.0	44
HBK C5528	43.8	54.1	•	10/07	1.7	1.0	44
SS-10L.51N	43.7	60.8	•	09/23	1.0	1.3	36
MorSoy CB5209	43.1	58.3	•	10/05	1.7	1.3	42
GLENN	43.0	57.9	•	09/26	1.7	1.7	34
HBK C5025	42.8	55.5	57.2	09/27	2.7	1.0	44
Stine 51LA02	42.5	•	•	09/25	1.0	1.0	35
S05-11268	42.4	57.2	•	09/24	1.3	1.0	36
Progeny 5460LL	42.2	•	•	09/25	1.3	1.3	41
HALO 5:25	42.1	61.3	•	09/26	1.0	1.3	36
Dyna-Gro 33B52	42.0	57.2	•	09/27	1.3	1.3	42
DB04-10836	41.9	51.7	•	10/05	2.3	1.0	45
Progeny 5160LL	41.7	•	•	09/24	1.3	1.3	33
DB06-3442	40.1	•	•	09/23	2.0	1.7	40
Dyna-Gro SX10354L	40.0	•	•	09/26	1.3	2.0	44
DB03-8416	38.6	•	•	10/02	4.3	1.0	41
GRAND MEAN	43.4	•	•	09/27	1.8	1.4	40
LSD (5%)	6.4	•	•	3	0.8	0.8	•
C.V.	9.0	•	•	6	27.7	34.6	•

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
R04-357	46.1	51.6	57.5	10/02	2.5	1.0	40
R05-235	37.0	•	•	09/30	1.0	1.0	37
Progeny 5770	36.5	53.2	60.1	10/04	1.5	1.5	39
Terral TV59R16	34.5	•	•	10/04	1.5	1.0	39
Progeny 5960LL	30.8	•	•	09/28	1.0	1.5	40
DB06-2257	26.3	•	•	09/26	1.0	1.5	35
R04-572	25.9	•	•	10/07	1.0	1.5	37
HALO 5:65	24.7	50.4	•	09/27	1.0	2.0	37
R06-4433	23.8	•	•	10/07	1.0	1.5	34
Osage	22.5	48.9	58.4	09/25	1.0	5.0	33
GRAND MEAN	30.8	•	•	09/30	1.3	1.8	37
LSD (5%)	10.5	•	•	4	0.8	1.1	•
C.V.	15.0	•	•	6	27.3	27.3	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series	Calloway silt loam
Soil pH	7.4
Previous Crop	Soybean
Row Width	30 inches
Fertilizer Applied	0-0-100, 3/31
Planting Date	6/1
Herbicide Applications	Roundup™ + Parallel, 6/1; Storm, 6/22
Insecticide Applications	Karate + Intrepid, 8/10
Irrigation Dates	6/23, 7/2, 7/31, 8/3, 8/13, 8/25, 9/17, 9/24
Harvest Dates	MG 4E 9/29; MG 4L 10/4; MG 5E 10/13; MG 5L 10/21

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2010	3.4	7.8	1.3	2.6	0.6	0.8	16.5
Average	5.2	5.2	3.4	4.0	2.8	4.0	24.6
Departure	-1.8	2.6	-2.1	-1.4	-2.2	-3.2	-8.1

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
S07-5151	64.0	•	•	9/15	2.7	1.0	36
NK S46-U6 Brand	63.8	60.5	•	9/16	1.3	1.0	47
HALO 4:65	63.3	60.2	•	9/14	1.3	1.0	39
MPG-X-410-1	59.3	•	•	9/14	1.3	1.0	42
eMerge XP4520	56.7	•	•	9/16	1.3	1.0	40
S07-5049	52.7	•	•	9/16	2.7	1.0	37
GRAND MEAN	60.0	•	•	9/15	1.8	1.0	40
LSD (5%)	5.6	•	•	4	0.9	•	•
C.V.	5.2	•	•	14	28.4	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor ARX492	63.2	•	•	9/21	1.0	1.0	26
Progeny 4960LL	63.2	•	•	9/17	1.0	1.0	44
S07-5117	62.6	•	•	9/19	1.7	1.0	39
USG 74G99L	60.7	•	•	9/22	1.0	1.0	45
Progeny 4928LL	60.0	•	•	9/21	1.0	1.0	45
Dyna-Gro 37P49	59.2	67.2	•	9/20	1.7	1.0	42
UA 4910	58.8	63.5	63.1	9/17	1.0	1.0	42
SS-09L.49N	58.6	61.5	•	9/21	1.0	1.0	45
eMerge XC4910	58.5	•	•	9/22	1.0	1.0	39
HBK C4929	57.5	65.3	•	9/20	2.3	1.0	50
Progeny 4910	56.2	61.7	59.9	9/20	3.0	1.0	47
R05-3239	55.5	•	•	9/21	1.0	1.0	26
HBK C4926	55.5	65.8	63.4	9/20	4.0	1.0	45
V03-4660	55.4	53.1	•	9/20	1.0	1.0	25
SSC-049N	55.2	•	•	9/20	1.0	1.0	23
HALO 4:94	54.0	64.5	•	9/21	1.0	1.0	35
Progeny 4990	53.1	62.8	•	9/20	1.3	1.0	46
Progeny 4860LL	53.0	•	•	9/21	1.0	1.0	44
UA 4805	52.9	56.5	57.9	9/19	1.0	1.0	27

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
SS-11L.48N	51.3	•	•	9/16	1.0	1.0	46
Stine 49L28	50.9	•	•	9/22	1.0	1.0	28
GRAND MEAN	56.9	•	•	9/20	1.4	1.0	39
LSD (5%)	6.9	•	•	2	0.4	•	•
C.V.	7.3	•	•	6	18.4	•	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
S05-11482	67.0	71.1	•	9/20	1.0	1.0	25
DB06-3442	64.7	•	•	9/18	1.0	2.0	31
SSC-051N	64.1	•	•	9/20	1.0	1.0	25
eMerge XC5110	64.1	•	•	9/20	1.0	1.5	38
Ozark	63.0	65.1	61.9	9/21	1.0	1.0	33
Hutcheson	62.1	65.4	62.5	9/22	2.0	1.5	30
Dyna-Gro 33B52	61.3	67.8	•	9/21	1.5	1.5	32
Progeny 5460LL	61.2	•	•	9/21	1.5	1.5	41
GLENN	59.9	63.7	•	9/22	1.0	1.0	22
S05-11268	59.6	65.7	•	9/22	1.5	1.0	27
DB04-10836	59.6	66.3	•	9/24	3.0	1.0	39
Progeny 5160LL	59.6	•	•	9/22	1.0	1.0	28
Dyna-Gro SX10354L	58.7	•	•	9/20	1.0	1.0	42
HALO 5:25	57.8	67.2	•	9/20	1.0	1.0	25
HBK C5025	57.5	60.3	58.5	9/21	2.5	1.0	51
SS-10L.51N	57.4	66.9	•	9/20	1.0	1.0	20
DB03-8416	57.0	•	•	9/26	3.0	1.0	33
HBK C5528	56.3	62.0	•	10/8	1.0	1.5	37
Stine 51LA02	56.1	•	•	9/21	1.0	1.0	21
V03-4705	56.1	•	•	9/20	1.0	3.0	29
JAKE	56.0	63.5	61.6	9/25	1.0	1.0	33
MorSoy CB5209	52.2	59.5	•	9/28	1.5	1.0	34
GRAND MEAN	59.6	•	•	9/22	1.4	1.3	32
LSD (5%)	6.7	•	•	3	0.6	0.7	•
C.V.	5.4	•	•	7	21.9	26.4	•

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
R04-357	69.1	70.8	68.2	9/28	2.0	1.0	34
R05-235	65.8	•	•	9/27	1.0	1.0	34
Terral TV59R16	64.0	•	•	9/28	1.5	1.0	34
Progeny 5770	62.7	65.6	63.3	9/28	2.0	1.0	28
R06-4433	61.6	•	•	9/30	1.0	1.0	29
Osage	61.6	69.5	68.5	9/23	1.0	1.0	26
HALO 5:65	61.3	69.8	•	9/23	1.0	1.0	29
Progeny 5960LL	60.8	•	•	9/22	1.0	1.0	34
DB06-2257	53.1	•	•	9/24	1.0	1.0	27
R04-572	50.7	•	•	9/28	1.0	1.0	32
GRAND MEAN	61.1	•	•	9/26	1.3	1.0	31
LSD (5%)	8.7	•	•	2	0.5	•	•
C.V.	6.3	•	•	3	17.9	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series	Crowley silt Loam
Soil pH	6.1
Previous Crop	Rice
Row Width	30 inches
Fertilizer Applied	0-100-120, 5/11
Planting Date	5/25
Herbicide Applications	Roundup™ + FlexStar, 5/26; Poast Plus + Pursuit, 6/10; FlexStar, 6/24; Poast Plus, 7/12
Insecticide Applications	Mustang Max, 8/21; Intrepid + Sniper, 9/31
Irrigation Dates	6/15, 6/26, 7/9, 7/22, 8/3, 8/24, 9/1, 9/15, 9/21
Harvest Dates	MG 4L 10/4; MG 4L, 10/4; MG 5E, 10/19, MG 5L, 10/19

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2010	3.5	4.3	1.1	1.3	3.2	0.6	13.8
Average	5.6	4.7	3.6	3.4	2.8	4.1	24.2
Departure	-2.1	-0.4	-2.5	-2.2	0.4	-3.5	-10.4

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
S07-5151	51.3	•	•	9/13	1.0	1.0	35
HALO 4:65	49.5	48.4	•	9/13	1.0	1.0	36
NK S46-U6 Brand	46.3	48.2	•	9/17	1.0	1.0	36
MPG-X-410-1	43.0	•	•	9/16	1.0	1.0	36
eMerge XP4520	42.0	•	•	9/15	1.0	1.0	35
S07-5049	41.4	•	•	9/10	1.0	1.0	29
GRAND MEAN	45.6	•	•	9/14	1.0	1.0	35
LSD (5%)	7.6	•	•	1	•	•	•
C.V.	9.2	•	•	3	•	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor ARX492	57.8	•	•	9/18	1.0	1.0	26
SS-09L.49N	56.0	59.0	•	9/20	1.0	1.0	35
Progeny 4928LL	55.8	•	•	9/20	1.0	1.0	40
R05-3239	54.9	•	•	9/21	1.0	1.0	21
SSC-049N	54.6	•	•	9/22	1.0	1.0	22
HBK C4929	53.5	59.5	•	9/20	1.3	1.0	42
V03-4660	53.4	56.0	•	9/18	1.0	1.0	20
HBK C4926	52.6	60.6	64.9	9/21	1.7	1.0	44
Stine 49L28	52.5	•	•	9/23	1.0	1.0	28
USG 74G99L	52.4	•	•	9/21	1.0	1.0	30
S07-5117	51.9	•	•	9/16	1.0	1.0	38
Progeny 4860LL	51.6	•	•	9/13	1.0	1.0	41
Dyna-Gro 37P49	51.4	54.9	•	9/18	1.0	1.0	35
Progeny 4910	51.3	52.2	•	9/23	1.0	1.0	40
Progeny 4990	50.8	53.4	•	9/16	1.0	1.0	38
HALO 4:94	50.4	56.6	•	9/21	1.0	1.0	35
eMerge XC4910	50.2	•	•	9/21	1.0	1.0	39
Progeny 4960LL	48.9	•	•	9/14	1.0	1.0	37
UA 4805	48.7	50.7	57.0	9/19	1.0	1.0	16

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height

.....bu/A.....

Maturity Group IV Late (RM 4.7 to 4.9) Continued

SS-11L.48N	48.1	•	•	9/13	1.0	1.0	39
UA 4910	47.6	48.9	•	9/21	1.0	1.0	28
GRAND MEAN	52.1	•	•	9/19	1.0	1.0	33
LSD (5%)	7.6	•	•	3	0.3	•	•
C.V.	8.8	•	•	8	17.4	•	•

Maturity Group V Early (RM 5.0 to 5.5)

SSC-051N	59.8	•	•	9/20	1.0	1.0	22
S05-11482	59.3	60.1	•	9/20	1.0	1.0	30
DB03-8416	59.0	•	•	9/24	1.0	1.0	30
Stine 51LA02	58.9	•	•	9/24	1.0	1.0	23
Dyna-Gro 33B52	58.6	61.3	•	9/22	1.0	1.0	26
DB06-3442	57.9	•	•	9/20	1.0	1.0	24
MorSoy CB5209	57.3	65.4	•	9/29	1.0	1.0	34
Ozark	57.2	64.1	65.4	9/24	1.0	1.0	25
Progeny 5160LL	56.3	•	•	9/23	1.0	1.0	24
HBK C5528	54.3	61.8	•	10/1	1.0	1.0	34
SS-10L.51N	53.6	64.7	•	9/21	1.0	1.0	25
JAKE	53.4	61.3	64.8	9/23	1.0	1.0	27
HALO 5:25	53.3	63.2	•	9/24	1.0	1.0	21
HBK C5025	52.8	64.6	66.0	9/24	2.0	1.0	42
S05-11268	51.8	58.2	•	9/21	1.0	1.0	24
DB04-10836	51.6	58.7	•	9/23	1.0	1.0	32
V03-4705	51.1	•	•	9/21	1.0	1.0	19
Hutcheson	50.0	54.9	58.5	9/21	1.0	1.0	29
GLENN	49.8	58.3	•	9/21	1.0	1.0	21
eMerge XC5110	48.6	•	•	9/21	1.0	1.0	37
Dyna-Gro SX10354L	47.0	•	•	9/22	1.0	1.0	40
Progeny 5460LL	46.2	•	•	9/21	1.0	1.0	40
GRAND MEAN	54.0	•	•	9/23	1.0	1.0	29
LSD (5%)	7.2	•	•	1	•	•	•
C.V.	8.1	•	•	3	•	•	•

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
R06-4433	63.5	•	•	9/29	1.0	1.0	32
R05-235	62.2	•	•	9/27	1.0	1.0	32
Terral TV59R16	61.5	•	•	9/28	1.0	1.0	34
R04-357	60.5	60.5	•	9/28	1.0	1.0	27
Osage	59.2	63.2	63.8	9/24	1.0	1.0	29
Progeny 5770	55.3	62.0	•	9/28	1.0	1.0	35
HALO 5:65	53.0	62.1	•	9/24	1.0	1.0	28
DB06-2257	50.9	•	•	9/24	1.0	1.0	29
Progeny 5960LL	49.5	•	•	9/25	1.0	1.0	26
R04-572	48.9	•	•	9/30	1.0	1.0	29
GRAND MEAN	56.4	•	•	9/27	1.0	1.0	30
LSD (5%)	6.5	•	•	2	•	•	•
C.V.	6.6	•	•	4	•	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2007, 2009, 2010.

Soil Series	Sharkey Clay
Soil pH	7.4
Previous Crop	Soybean
Row Width	19"
Planting Date	5/18
Herbicide Applications	Basagran, 5/25; Select, 5/28; Basagran, 6/1; Prefix, 6/4; Scepter, 7/14
Insecticide Applications	Brigade, 7/26; Intrepid, 8/16
Irrigation Dates	6/8, 6/22, 7/23, 8/17, 8/26, 9/8, (9/20 MG 5E and 5L only)
Harvest Dates	MG 4E, 9/24; MG 4L, 9/28; MG 5E, 10/8; MG 5 L, 10/11

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	3.8	2.2	1.7	3.8	6.4	17.8
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-1.3	-2.5	-1.8	-0.1	3.7	-2.0

Table 13. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2010¹.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
S05-11482	49.2	60.1	•	10/09	1.0	1.0	42
HALO 5:25	48.0	67.6	•	10/14	1.3	1.0	41
Dyna-Gro 33B52	46.2	60.3	•	10/05	1.0	1.0	42
S05-11268	45.3	56.6	•	10/07	1.3	1.3	37
Stine 51LA02	44.8	•	•	10/14	1.0	1.0	38
SSC-051N	44.4	•	•	10/08	1.0	1.0	42
Hutcheson	44.2	57.7	50.0	10/10	1.7	1.0	43
SS-10L.51N	43.1	64.5	•	10/13	1.0	1.3	37
Ozark	41.7	57.8	55.1	10/06	1.0	1.0	43
DB04-10836	39.5	58.7	•	10/11	2.3	1.3	46
Progeny 5160LL	39.1	•	•	10/14	1.0	1.0	39
DB06-3442	38.3	•	•	10/05	1.0	2.3	44
GLENN	38.0	•	•	10/10	1.3	1.7	35
DB03-8416	37.7	•	•	10/10	2.7	1.0	39
JAKE	35.8	56.0	55.0	10/08	1.0	1.3	44
MorSoy CB5209	34.7	53.2	•	10/15	1.0	1.0	49
Progeny 5460LL	34.5	•	•	10/07	1.0	2.3	53
Dyna-Gro SX10354L	34.4	•	•	10/08	1.0	2.3	49
HBK C5528	34.2	54.2	•	10/12	1.0	1.0	46
eMerge XC5110	33.5	•	•	10/13	1.0	1.0	46
HBK C5025	28.0	52.2	48.5	10/08	4.3	1.0	48
V03-4705	25.5	•	•	10/05	1.0	4.3	41
GRAND MEAN	39.1	•	•	10/10	1.4	1.4	43
LSD (5%)	6.0	•	•	3	0.8	0.8	•
C.V.	9.3	•	•	17	33.8	33.9	•

Table 13. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2010¹, Continued.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Progeny 5770	48.5	62.7	59.2	10/13	1.0	1.0	46
Terral TV59R16	47.9	•	•	10/15	1.0	1.0	42
R06-4433	46.8	•	•	10/16	1.0	1.0	44
R04-357	46.0	63.1	60.7	10/12	3.3	1.3	45
R05-235	44.8	•	•	10/12	1.0	1.0	43
DB06-2257	43.9	•	•	10/11	1.0	1.0	40
Osage	38.8	57.9	56.9	10/10	1.0	2.0	41
Progeny 5960LL	38.0	•	•	10/09	1.0	1.3	42
R04-572	36.5	•	•	10/15	2.0	1.3	42
HALO 5:65	32.0	54.8	•	10/09	1.0	1.3	47
GRAND MEAN	42.3	•	•	10/12	1.3	1.2	43
LSD (5%)	7.2	•	•	2	0.6	0.6	•
C.V.	9.9	•	•	9	26.2	29.6	•

¹Only MG 5's were tested at this location.²Average Yield for 2009 and 2010.³Average Yield for 2008, 2009, 2010.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	6/2
Herbicide Applications	Pursuit + Dual Magnum, 6/2
Irrigation Dates	6/3, 6/14, 6/15, 6/25, 7/22, 7/29, 8/4, 8/18, 8/27
Harvest Dates	MG 5E, 10/29; MG 5L, 10/29

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2010	4.4	4.8	3.3	4.0	6.4	1.4	24.2
Average	2.9	5.4	5.6	1.3	2.2	4.8	22.2
Departure	1.5	-0.6	-2.3	2.7	4.2	-3.4	2.0

Table 14. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser Irrigated		Keiser Non-Irrigated		Marianna Irrigated		Stuttgart Irrigated		Rohwer Irrigated		Silt ² Loam Average		Clay ³ Average		All-Location Average	
		73.2	81.1	36.0	45.7	71.1	82.5	51.9	58.7	50.0	57.4	49.9	51.3	50.9	57.9	55.6	62.5
AgVenture AV45X5RR	RR1	73.2	81.1	36.0	45.7	71.1	82.5	51.9	58.7	50.0	57.4	49.9	51.3	50.9	57.9	55.6	62.5
Armor 42-M1	RR1	81.1	67.9	41.6	41.1	66.2	57.1	63.0	63.0	48.1	48.1	60.0	60.0	57.1	56.4	57.6	56.9
Armor 46-N7	RR1	67.9	70.0	41.1	41.4	65.4	55.3	58.9	58.9	49.7	49.7	57.1	57.1	57.1	56.7	56.9	56.9
ASGROW AG4531	RR2/STS	70.0	70.4	41.4	39.4	71.8	77.6	59.7	60.0	46.8	46.8	59.9	59.9	59.9	58.5	59.0	59.0
ASGROW AG4630	RR2	70.4	71.5	40.7	40.7	77.6	77.6	57.2	54.1	51.0	51.0	55.7	55.7	55.7	60.2	58.7	58.7
ASGROW EXP944R2	RR2	76.2	75.4	34.1	34.1	71.1	71.1	56.6	57.2	50.3	50.3	56.9	56.9	56.9	57.7	57.4	57.4
ASGROW EXP946R2	RR2	71.5	73.5	33.1	33.1	74.9	74.9	54.9	61.9	46.4	46.4	58.4	58.4	58.4	57.0	57.5	57.5
Delta Gro 4470RR/STS	RR1/STS	75.4	74.6	38.6	38.6	76.9	76.9	54.9	55.3	48.9	48.9	55.1	55.1	55.1	59.8	58.2	58.2
Delta King DKR4440	RR2	73.5	75.5	38.6	38.6	80.2	80.2	60.1	56.1	50.5	50.5	58.1	58.1	58.1	61.2	60.2	60.2
Dyna-Gro 34RY46	RR2/STS	74.6	71.7	39.2	39.2	76.8	76.8	58.9	53.3	52.7	52.7	56.1	56.1	56.1	60.1	58.8	58.8
Dyna-Gro 35X43	RR1	75.5	65.6	37.2	37.2	53.9	53.9	51.2	54.2	47.0	47.0	52.7	52.7	52.7	50.9	51.5	51.5
Dyna-Gro 36C44	RR1/STS	71.7	69.9	40.9	40.9	69.9	69.9	52.6	61.9	52.6	52.6	57.2	57.2	57.2	58.3	58.0	58.0
HBK R4527	RR1	65.6	72.7	37.2	37.2	64.6	64.6	58.5	59.0	47.5	47.5	58.8	58.8	58.8	55.5	56.6	56.6
HBK RY4620	RR2	69.9	71.9	36.6	36.6	76.7	76.7	53.0	56.7	47.2	47.2	54.8	54.8	54.8	58.1	57.0	57.0
MorSoy Xtra 46X29	RR2/STS	72.7	71.4	42.0	42.0	72.4	72.4	55.4	57.5	50.5	50.5	56.5	56.5	56.5	59.1	58.2	58.2
MPG 4577NRR	RR1	71.9	73.6	37.6	37.6	75.3	75.3	59.5	58.4	49.7	49.7	58.9	58.9	58.9	59.0	59.0	59.0
MPG 4611NRR/STS	RR2/STS	71.4	74.1	38.4	38.4	73.9	73.9	56.2	56.3	59.8	59.8	56.2	56.2	56.2	61.5	59.8	59.8
Pioneer 94Y40	RR1	73.6	68.2	36.8	36.8	71.7	71.7	55.1	48.1	47.0	47.0	51.6	51.6	51.6	55.9	54.5	54.5
Pioneer 94Y60	RR1	74.1	71.2	31.4	31.4	71.4	71.4	50.7	50.8	50.6	50.6	50.8	50.8	50.8	56.1	54.3	54.3
Progeny 3909RR	RR1	68.2	79.9	34.3	34.3	79.7	79.7	56.6	50.9	56.0	56.0	53.7	53.7	53.7	62.5	59.5	59.5
Progeny 3910RY	RR2	71.2	71.3	38.7	38.7	69.7	69.7	58.0	57.4	51.3	51.3	57.7	57.7	57.7	57.7	57.7	57.7
Progeny 4206RR	RR1	79.9	70.3	41.3	41.3	67.9	67.9	57.4	63.2	48.4	48.4	60.3	60.3	60.3	57.0	58.1	58.1
Progeny 4209RY	RR2	71.3	72.4	37.8	37.8	70.3	70.3	62.4	55.2	54.4	54.4	58.8	58.8	58.8	58.7	58.7	58.7
Progeny 4510RY	RR2/STS	70.3	70.3	45.9	45.9	65.4	65.4	59.0	56.5	44.6	44.6	57.8	57.8	57.8	56.6	57.0	57.0
Progeny 4606RR	RR1/STS	72.4	62.0	32.9	32.9	60.4	60.4	48.9	46.3	43.5	43.5	47.6	47.6	47.6	49.7	49.0	49.0
Progeny 4610RY	RR2	70.3	62.0	32.9	32.9	60.4	60.4	48.9	46.3	43.5	43.5	47.6	47.6	47.6	49.7	49.0	49.0
S07-15722	RR1	62.0	62.0	32.9	32.9	60.4	60.4	48.9	46.3	43.5	43.5	47.6	47.6	47.6	49.7	49.0	49.0

Maturity Group IV Early (RM 4.0 to 4.6)

bu/A.....

Table 14. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart Irrigated	Rohwer Irrigated	Silt ² Loam Average	Clay ³ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated					
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>										
Schillinger 457.RCP	RR1	72.3	38.3	70.2	53.6	44.7	51.4	49.2	58.1	55.1
Schillinger 458.RCS	RR1/STS	71.8	36.7	76.0	58.3	53.8	55.1	56.0	59.9	58.6
Syngenta S44-D5 Brand	RR1	73.7	39.1	75.0	59.5	53.0	53.7	56.3	60.4	59.0
Syngenta S46-U6 Brand	RR1	82.2	48.5	85.2	64.0	61.2	54.9	62.6	67.7	66.0
Terral TV46R15	RR1	72.0	30.7	70.4	47.8	49.3	44.7	48.6	54.4	52.5
Terral-REVTM 44R22	RR1	79.1	37.0	75.1	60.4	53.6	55.9	57.0	61.8	60.2
Terral-REVTM 45R10	RR1	74.8	31.5	72.6	59.1	51.7	42.7	55.4	55.4	55.4
USG 74A69R	RR2	72.2	42.1	73.4	57.3	61.9	45.2	59.6	58.2	58.7
USG 74C69	RR1	69.1	37.2	63.5	59.2	52.1	52.8	55.7	55.7	55.7
VP Maxx 44X1RR	RR1	72.4	31.1	81.0	50.9	48.6	55.1	49.7	59.9	56.5
Willcross RY2460S	RR2	69.2	39.4	77.7	55.5	57.5	49.4	56.5	58.9	58.1
GRAND MEAN		72.5	38.2	72.3	56.3	55.3	49.9	55.8	58.2	57.4
LSD (5%)		6.1	4.8	10.2	5.8	6.1	8.2	6.0	7.3	6.9
C.V.		5.2	7.6	8.6	6.4	6.8	10.1	6.6	7.9	7.4

¹Many of the test yields this year are lower than expected due to extended periods of hot and dry weather.

Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Nonirrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

²Average yields from Marianna Irrigated and Stuttgart Irrigated.

³Average yields from Keiser Irrigated, Keiser Nonirrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser		Keiser		Keiser		Stuttgart Irrigated	Rohwer Irrigated	Silt ² Loam Average	Clay ³ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated	bu/A						
Maturity Group IV Late (RM 4.7 to 4.9)												
AgVenture AV48A8RR	RR1	76.4	39.8	79.8	57.9	59.2	53.1	58.6	62.3	61.0		
Armor 47-F8	RR1/STS	72.9	36.0	68.8	58.1	56.8	55.0	57.4	58.2	57.9		
Armor 47-G10	RR1	74.7	39.7	69.5	61.2	58.8	51.9	60.0	59.0	59.3		
Armor 47-R33	RR2/STS	73.6	37.6	75.9	51.9	60.6	53.4	56.2	60.1	58.8		
Armor ARX1471	RR2	73.8	34.3	75.0	52.4	59.2	48.1	55.8	57.8	57.2		
Armor ARX1477	RR2/STS	70.0	40.9	74.4	54.0	57.2	45.2	55.6	57.6	56.9		
Armor ARX1481	RR2/STS	79.6	39.0	73.0	54.2	57.8	50.5	56.0	60.5	59.0		
ASGROW AG4730	RR2/STS	78.8	36.2	70.2	55.7	58.4	53.2	57.0	59.6	58.7		
ASGROW EXP948R2	RR2/STS	72.5	40.6	71.3	61.1	57.0	53.4	59.1	59.5	59.3		
Davis 147RRCS	RR1/STS	74.3	36.8	73.2	62.5	63.7	54.5	63.1	59.7	60.8		
Davis 149RRCS	RR1/STS	73.0	43.2	73.6	60.2	58.0	59.7	59.1	62.4	61.3		
Davis 247RRS	RR2/STS	73.5	40.9	69.8	58.7	63.2	53.9	61.0	59.5	60.0		
Delta Grow 4770RR	RR1	73.0	41.6	74.7	49.9	57.7	53.2	53.8	60.6	58.4		
Delta Grow 4880RR	RR1	75.8	41.7	77.5	56.6	62.4	61.9	59.5	64.2	62.7		
Delta Grow 4970RR	RR1	81.8	38.3	77.1	51.2	54.5	54.7	52.8	63.0	59.6		
Delta Grow 4975RR	RR1	74.9	32.9	67.1	55.5	56.2	55.2	55.8	57.5	57.0		
Delta King DK4968	RR1	69.8	37.6	71.3	56.7	53.9	52.1	55.3	57.7	56.9		
Delta King DKR4744	RR2/STS	71.0	39.6	69.2	54.0	60.6	52.4	57.3	58.0	57.8		
Delta King DKX1473	RR2	66.1	40.5	73.6	54.0	56.7	46.3	55.4	56.6	56.2		
Delta King DKX1491	RR2	66.2	33.0	63.1	60.5	62.5	47.9	61.5	52.5	55.5		
Dyna-Gro 33G48	RR1	77.1	42.6	74.3	59.4	55.7	63.0	57.5	64.3	62.0		
Dyna-Gro 35RY47	RR2	65.9	37.5	71.8	53.9	55.2	45.6	54.5	55.2	55.0		
Dyna-Gro 36Y48	RR1/STS	68.5	31.9	63.5	58.7	49.3	47.4	54.0	52.8	53.2		
Dyna-Gro 37P49	RR1	74.0	38.6	67.7	59.4	58.0	53.0	58.7	58.3	58.4		
Dyna-Gro 37RY47	RR2/STS	71.0	42.5	64.6	57.0	61.4	51.1	59.2	57.3	57.9		
Eagle Seed ES4777	RR1	74.9	41.9	71.2	58.0	58.0	56.2	58.0	61.1	60.0		

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser		Keiser Non-Irrigated		Keiser Double-Crop Irrigated		Marianna Irrigated		Stuttgart Irrigated		Rohwer Irrigated		Silt ² Loam Average		Clay ³ Average		All-Location Average	
		Irrigated	Irrigated	Irrigated	Non-Irrigated	Irrigated	Double-Crop	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Average	Average	Average			
.....bu/A.....																			
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>																			
Eagle Seed ES4818	RR1	75.7	39.9	72.2	58.1	57.5	49.1	57.8	58.8	59.3	58.8								
Eagle Seed ES4998	RR1	73.9	42.3	74.1	62.2	58.2	58.0	60.2	61.4	62.1	61.4								
HBK R4729	RR1	62.3	39.3	59.7	52.3	53.8	47.9	53.0	52.6	52.3	52.6								
HBK R4829	RR1	78.6	40.1	74.1	59.3	58.6	56.5	59.0	61.2	62.3	61.2								
HBK R4924	RR1	75.6	38.7	74.4	59.6	56.8	54.4	58.2	59.9	60.8	59.9								
HBK RY4920	RR2	67.0	35.8	64.4	59.2	64.9	54.8	62.0	57.7	55.5	57.7								
MorSoy R2 496	RR2	68.4	37.9	70.9	51.0	63.8	57.7	57.4	58.3	58.7	58.3								
MorSoy R2S 481	RR2/STS	71.2	40.8	68.7	55.5	64.7	49.4	60.1	58.4	57.5	58.4								
MorSoy RT 4707N	RR1	75.6	35.8	72.3	60.7	57.5	57.1	59.1	59.8	60.2	59.8								
MorSoy RT 4914N	RR1	81.8	40.7	79.0	56.8	52.4	57.6	54.6	61.4	64.8	61.4								
MorSoy RTS 4706N	RR1/STS	71.9	39.1	72.8	57.4	57.1	53.8	57.2	58.7	59.4	58.7								
MorSoy RTS 4824	RR1/STS	76.4	37.0	71.2	59.9	54.8	60.3	57.3	59.9	61.2	59.9								
MorSoy RTS 4955N	RR1/STS	69.2	30.7	63.4	58.4	47.9	47.9	53.2	52.9	52.8	52.9								
MorSoy Xtra 47X10	RR2/STS	77.9	47.2	73.3	57.0	59.9	51.5	58.4	61.1	62.5	61.1								
MorSoy Xtra 48X00	RR2/STS	70.9	42.8	70.6	62.5	61.9	52.0	62.2	60.1	59.1	60.1								
MorSoy Xtra 49X10	RR2	71.2	35.3	61.1	59.4	60.2	57.1	59.8	57.4	56.2	57.4								
MorSoy Xtra 51X10	RR2	76.5	40.8	72.6	56.1	53.6	60.2	54.9	60.0	62.5	60.0								
MPG 4707NRR/STS	RR1/STS	76.3	37.9	77.2	49.2	61.4	60.8	55.3	60.5	63.0	60.5								
Pioneer 94Y70	RR1	77.3	36.9	70.6	49.6	63.8	56.3	56.7	59.1	60.3	59.1								
Pioneer 94Y71	RR1	67.4	41.4	72.1	63.9	54.9	55.4	59.4	59.2	59.1	59.2								
Pioneer 94Y80	RR1	79.7	43.1	76.4	53.8	63.8	52.6	58.8	61.6	63.0	61.6								
Pioneer 94Y91	RR1	69.6	36.6	68.0	59.9	62.7	52.4	61.3	58.2	56.7	58.2								
Pioneer 94Y92	RR1	70.7	42.4	73.7	52.4	54.9	52.0	53.6	57.7	59.7	57.7								
Progeny 4750RR	RR1	77.2	39.6	80.3	62.1	58.6	64.7	60.3	63.7	65.4	63.7								
Progeny 4807RR	RR1	75.7	35.7	78.7	67.4	62.4	48.0	64.9	61.3	59.5	61.3								
Progeny 4810RY	RR2	71.1	36.8	71.2	53.6	63.6	49.7	58.6	57.2	57.2	57.2								

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser		Keiser		Keiser		Stuttgart Irrigated	Rohwer Irrigated	Silt ²		All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Loam Average	Clay ³ Average					
Maturity Group IV Late (RM 4.7 to 4.9) Continued												
Progeny 4906RR	RR1	68.6	33.3	69.6	50.6	57.3	49.7	53.9	55.3	54.8		
Progeny 4908RR	RR1	71.4	40.8	72.3	58.2	53.8	52.0	56.0	59.1	58.1		
Progeny 4920RY	RR2	69.6	32.1	71.5	56.9	61.2	52.2	59.0	56.3	57.2		
Progeny 4949RR	RR1	71.5	39.6	68.6	56.2	52.2	56.3	54.2	59.0	57.4		
S06-3095	RR1	74.7	43.6	65.2	60.5	53.0	56.1	56.7	59.9	58.8		
Schillinger 478.RCS	RR1/STS	71.1	39.0	67.3	56.6	50.9	51.8	53.8	57.3	56.1		
Schillinger 495.RC	RR1	85.1	38.7	66.7	56.9	60.8	58.8	58.9	62.3	61.2		
Schillinger 4990.RC	RR1	75.9	36.7	78.8	59.2	55.6	59.5	57.4	62.7	60.9		
Syngenta S47-R3 Brand	RR1	71.4	37.9	66.5	56.0	59.8	57.4	57.9	58.3	58.1		
Syngenta S48-C9 Brand	RR1	74.0	43.6	68.7	60.7	62.8	52.5	61.7	59.7	60.4		
Syngenta S49-A5 Brand	RR1	70.2	38.8	70.6	51.9	54.0	48.3	53.0	56.9	55.6		
Terral TV49R17	RR1	67.4	34.0	64.8	47.0	53.0	49.4	50.0	53.9	52.6		
Terral-REVTM 47R22	RR1	75.4	38.5	72.8	50.4	60.3	58.2	55.3	61.2	59.3		
Terral-REVTM 48R10	RR1	70.8	38.8	70.0	55.1	57.7	51.6	56.4	57.8	57.3		
Terral-REVTM 48R21	RR1	69.1	35.9	63.0	57.2	55.8	52.5	56.5	55.1	55.6		
Terral-REVTM 48R22	RR1	72.5	40.3	79.3	47.2	58.4	62.5	52.8	63.6	60.0		
Terral-REVTM 49R10	RR1	76.1	32.3	73.8	58.3	56.4	50.9	57.4	58.3	58.0		
Terral-REVTM 49R11	RR1	68.5	30.5	73.1	45.8	58.4	57.2	52.1	57.3	55.6		
Terral-REVTM 49R22	RR1	71.3	36.5	72.6	57.0	56.2	47.5	56.6	57.0	56.8		
USG 7495nRS	RR1/STS	68.7	34.4	61.3	59.2	48.6	49.6	53.9	53.5	53.6		
USG 74A79R	RR2	72.0	34.9	67.4	54.9	61.4	52.4	58.2	56.7	57.2		
USG 74A91	RR1	71.1	36.8	72.7	54.1	57.2	51.0	55.6	57.9	57.2		
USG 74E88	RR1/STS	61.9	35.3	65.6	47.1	57.0	51.8	52.0	53.7	53.1		
USG 74F96	RR1	68.7	35.3	63.8	58.6	52.7	49.5	55.6	54.3	54.8		
VP Maxx 49C9RR	RR1	70.2	33.7	56.8	60.3	54.6	53.7	57.4	53.6	54.9		
Willcross RR2470NS	RR1/STS	63.2	29.3	65.0	52.5	56.5	49.0	54.5	51.6	52.6		

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser		Keiser		Keiser		Stuttgart Irrigated	Rohwer Irrigated	Silt ² Loam		Clay ³ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Marianna Irrigated			Silt ² Average			
.....bu/A.....													
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>													
Willcross RR2477N	RR1	77.8	40.0	77.8	66.4	63.2	48.2	64.8	60.9	62.2			
Willcross RR2490NS	RR1/STS	74.3	32.3	75.2	62.5	55.0	57.2	58.7	59.7	59.4			
Willcross RR2498NS	RR1/STS	71.8	35.6	69.9	57.7	54.7	46.9	56.2	56.0	56.1			
Willcross RR2878NS	RR1/STS	66.6	40.6	74.7	46.7	52.3	49.2	49.5	57.8	55.0			
Willcross RY2481S	RR2/STS	70.5	36.7	69.3	58.5	63.4	53.2	61.0	57.4	58.6			
GRAND MEAN		72.6	38.0	70.8	56.5	57.8	53.3	57.1	58.7	58.2			
LSD (5%)		6.0	7.3	10.4	7.1	6.1	7.2	6.6	7.8	7.4			
C.V.		5.2	11.9	9.1	7.8	6.6	8.4	7.2	8.7	8.2			

¹Many of the test yields this year are lower than expected due to extended periods of hot and dry weather.

Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Nonirrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

² Average yields from Marianna Irrigated and Stuttgart Irrigated.

³ Average yields from Keiser Irrigated, Keiser Nonirrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 16. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser										All-Location Average
		Keiser Irrigated	Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler² Irrigated	Silt³ Average	Loam Average		Clay⁴ Average
Maturity Group V Early (RM 5.0 to 5.5)												
AGS 554RR	RR1	58.2	37.3	75.1	52.1	56.7	60.2	41.7	50.2	57.7	54.5	
AgVenture AV50X6RR	RR1	58.9	38.0	68.4	58.8	62.9	46.1	43.1	54.9	52.8	53.7	
AgVenture AV54X4RR	RR1	61.2	40.7	67.5	57.0	52.2	57.8	39.6	49.6	56.8	53.7	
Armor 53-Z5	RR1/STS	64.3	36.9	67.2	61.2	55.6	53.6	48.4	55.1	55.5	55.3	
Armor 55-A5	RR1	69.5	36.6	69.6	60.3	57.1	60.1	43.4	53.6	58.9	56.7	
Armor ARX1531	RR2	65.9	37.2	75.4	54.7	54.5	55.8	39.3	49.5	58.6	54.7	
Armor ARX1532	RR2	66.8	38.5	75.0	54.5	48.0	49.0	36.5	46.3	57.3	52.6	
Armor ARX1535	RR2	65.4	34.8	75.4	60.5	56.9	48.5	48.5	55.3	56.1	55.7	
Armor ARX1536	RR2	67.5	35.7	65.0	60.9	54.4	51.9	44.1	53.1	55.0	54.2	
Armor ARX1551	RR2	51.3	34.7	67.1	55.6	51.2	52.7	42.2	49.7	51.4	50.7	
Armor ARX1552	RR2	54.3	37.5	62.7	55.8	53.0	50.3	35.2	48.0	51.2	49.8	
ASGROW AG5331	RR2	66.3	24.6	68.7	56.5	50.4	38.3	36.3	47.7	49.5	48.7	
ASGROW AG5431	RR2	52.2	33.4	70.2	55.3	58.3	52.1	36.0	49.9	52.0	51.1	
ASGROW AG5531	RR2	58.3	34.2	72.2	56.9	58.8	55.2	40.1	51.9	54.9	53.6	
Croplan RC5419	RR1	62.1	44.9	71.6	58.0	56.3	52.2	47.0	53.7	57.7	56.0	
Delta Grow 5275RR/STS2	RR2/STS	66.8	34.2	65.9	60.9	63.2	53.8	44.0	56.0	55.2	55.5	
Delta Grow 5280RR	RR1	62.7	36.1	72.9	52.4	52.5	51.1	45.4	50.1	55.7	53.3	
Delta Grow 5300RR	RR1/STS	61.2	36.8	69.8	56.0	37.6	48.6	36.7	43.4	54.1	49.5	
Delta Grow 5555RR	RR1	64.0	44.5	70.5	53.1	56.3	50.1	52.5	53.9	57.3	55.8	
Delta King DK5363	RR1	46.6	40.6	65.0	54.3	61.0	46.8	41.9	52.4	49.7	50.9	
Delta King DKX1533	RR2	61.2	37.7	71.6	58.8	58.3	49.7	43.5	53.5	55.0	54.4	
Delta King DKX1534	RR2	67.3	38.9	63.7	53.4	56.5	48.0	40.8	50.2	54.5	52.6	
Delta King DKX1537	RR2	67.6	43.0	71.9	53.2	53.8	45.2	44.7	50.6	57.0	54.2	
Delta King DKX1538	RR2	65.5	41.5	70.7	55.6	57.0	40.6	32.4	48.3	54.6	51.9	
Delta King DKX1539	RR2	65.2	34.2	65.4	57.3	54.4	51.5	38.9	50.2	54.1	52.4	
Delta King DKX1540	RR2	61.1	30.5	71.2	53.5	55.6	49.1	38.6	49.2	53.0	51.4	
Delta King GP-500	RR1	68.2	39.0	68.2	52.2	54.6	54.7	48.8	51.9	57.5	55.1	
Delta King GP-533	RR1	65.7	38.7	71.6	51.1	58.6	51.7	45.7	51.8	56.9	54.7	
Dyna-Gro 33B52	RR1	66.5	40.3	76.3	58.5	52.4	54.4	51.5	54.1	59.4	57.1	

Table 16. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser												All-Location Average
		Double-Crop						Irrigated						
		Keiser Irrigated	Keiser Non-Irrigated	Crop Irrigated	Crop Non-Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Average	Loam Average	Clay ⁴ Average		
Maturity Group V Early (RM 5.0 to 5.5) Continued														
Dyna-Gro 33X55	RR1	59.5	39.3	72.8	57.0	52.5	52.2	34.9	48.1	56.0	52.6	52.6	52.6	
Dyna-Gro 35F55	RR1	62.9	41.9	66.6	52.9	58.7	58.9	47.5	53.0	57.6	55.6	55.6	55.6	
Dyna-Gro 35P53	RR1	66.3	44.9	69.6	56.2	63.1	47.6	47.3	55.5	57.1	56.4	56.4	56.4	
Dyna-Gro 37RY52	RR2	67.1	35.8	73.2	58.4	60.5	50.8	44.4	54.4	56.7	55.7	55.7	55.7	
Eagle Seed ES5190RR2	RR2	62.5	33.6	64.7	49.3	52.9	48.8	38.9	47.0	52.4	50.1	50.1	50.1	
Eagle Seed ES5390RR2	RR2	49.0	26.0	60.1	38.0	44.8	35.6	35.0	39.3	42.7	41.2	41.2	41.2	
Eagle Seed ES5507	RR1	63.3	41.3	71.4	51.7	49.4	48.2	45.1	48.7	56.0	52.9	52.9	52.9	
HBK R5226	RR1	62.9	39.4	71.3	54.6	53.9	55.2	47.9	52.1	57.2	55.0	55.0	55.0	
HBK R5525	RR1	57.4	37.8	69.7	51.3	49.7	58.1	43.4	48.1	55.8	52.5	52.5	52.5	
HBK R5529	RR1	67.0	37.8	67.5	61.4	58.7	61.2	40.5	53.5	58.4	56.3	56.3	56.3	
HBK RY5220	RR2	66.8	36.0	69.2	54.1	58.3	47.3	41.2	51.2	54.8	53.3	53.3	53.3	
HBK RY5520	RR2	56.2	30.1	64.7	56.4	56.6	57.4	33.6	48.9	52.1	50.7	50.7	50.7	
MorSoy R2 521	RR2	63.1	45.7	75.0	48.8	50.9	43.0	37.2	45.6	56.7	52.0	52.0	52.0	
MorSoy RT 5168	RR1	63.7	35.6	64.9	54.6	53.6	42.8	36.5	48.2	51.7	50.2	50.2	50.2	
MorSoy RT 5388N	RR1	65.5	35.1	69.9	55.5	54.8	54.7	41.0	50.4	56.3	53.8	53.8	53.8	
MorSoy RT 5429N	RR1	63.0	39.8	72.9	63.6	59.1	59.1	43.5	55.4	58.7	57.3	57.3	57.3	
MorSoy Xtra 52X10	RR2	65.1	42.5	74.7	49.7	58.8	43.3	38.1	48.8	56.4	53.2	53.2	53.2	
MorSoy Xtra 54X10	RR2	54.5	33.0	69.9	55.0	53.8	55.9	31.8	46.9	53.3	50.6	50.6	50.6	
MPG 5308NRR	RR1	61.2	42.0	61.3	59.9	54.9	52.2	42.6	52.5	54.2	53.4	53.4	53.4	
MPG 5407NRR	RR1	67.9	42.3	79.2	60.2	58.5	53.2	50.2	56.3	60.6	58.8	58.8	58.8	
Pioneer 95Y01	RR1	65.3	37.4	66.1	56.8	65.7	47.5	43.7	55.4	54.1	54.6	54.6	54.6	
Pioneer 95Y20	RR1	68.4	25.6	76.7	46.0	55.9	39.4	37.8	46.6	52.5	49.9	49.9	49.9	
Pioneer 95Y30	RR1	60.4	41.2	71.9	57.5	56.3	51.6	43.1	52.3	56.3	54.6	54.6	54.6	
Pioneer 95Y40	RR1	62.3	37.1	68.9	61.1	51.6	56.7	38.1	50.3	56.3	53.7	53.7	53.7	
Progeny 5110RY	RR2	70.4	35.8	81.6	55.0	51.3	56.9	43.3	49.9	61.1	56.3	56.3	56.3	
Progeny 5115RR	RR1	57.0	36.9	67.4	55.1	50.9	40.7	36.6	47.5	50.5	49.2	49.2	49.2	
Progeny 5210RY	RR2	68.0	40.4	74.9	58.2	59.1	50.0	44.9	54.0	58.3	56.5	56.5	56.5	
Progeny 5218RR	RR1	66.3	39.3	70.1	57.4	50.7	58.0	47.7	51.9	58.4	55.6	55.6	55.6	
Progeny 5310RY	RR2	59.6	35.3	67.9	55.7	61.2	49.4	36.6	51.2	53.1	52.2	52.2	52.2	

Table 16. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Double-Crop				Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Average	Loam Average	Clay ⁴ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Crop Irrigated	Crop Non-Irrigated	Marianna Irrigated	Marianna Non-Irrigated	Stuttgart Non-Irrigated	Rohwer Non-Irrigated								Kibler^{2} Non-Irrigated	Silt^{3} Non-Irrigated	Loam Non-Irrigated	Clay^{4} Non-Irrigated
Maturity Group V Early (RM 5.0 to 5.5) Continued																
Progeny 5330RR	RR1	64.4	46.7	79.9	55.7	54.5	50.9	45.2	51.8	60.4	56.7					
S06-4649	RR1	60.1	41.5	66.0	58.9	58.2	51.9	43.0	53.4	54.9	54.2					
S06-6053	RR1	62.3	39.2	69.9	56.3	49.1	45.2	38.3	47.9	54.1	51.5					
Schillinger 557.RC	RR1	60.3	40.8	67.5	58.3	52.1	51.0	45.7	52.0	54.9	53.7					
Stine 5400-4	RR1/STS	61.3	35.9	71.5	59.4	55.3	48.0	34.2	49.6	54.2	52.2					
Syngenta S51-T8 Brand	RR1	54.5	35.7	64.7	56.1	43.6	48.7	33.3	44.3	50.9	48.1					
Syngenta S52-F2 Brand	RR1	60.8	37.4	76.1	58.7	52.0	54.3	42.9	51.2	57.2	54.6					
Terral TV52R79	RR1	59.2	39.1	68.6	55.7	52.6	49.7	40.9	49.7	54.1	52.2					
Terral TV54R28	RR1	68.1	47.6	76.4	51.7	52.2	52.6	43.4	49.1	61.1	56.0					
Terral TV55R15	RR1	60.9	44.4	74.9	51.9	55.8	52.2	50.1	52.6	58.1	55.7					
Terral TV55R20	RR1	67.9	42.4	73.7	52.3	58.4	52.5	54.9	55.2	59.1	57.5					
Terral-REV™ 54R10	RR1	60.7	37.2	72.3	56.4	47.3	50.1	53.7	52.5	55.1	53.9					
Terral-REV™ 54R21	RR1	62.0	40.9	73.0	59.8	50.0	54.1	42.8	50.9	57.5	54.7					
Terral-REV™ 55R21	RR1/STS	56.5	43.1	66.6	55.1	52.4	42.9	39.4	49.0	52.3	50.8					
USG 7553nRS	RR1/STS	59.6	35.9	65.3	56.6	52.4	48.0	44.9	51.3	52.2	51.8					
USG 75J10R	RR2	62.5	33.2	66.9	58.8	67.2	46.8	43.0	56.3	52.4	54.1					
USG 75J50R	RR2	52.0	30.0	65.9	58.6	49.3	51.6	40.0	49.3	49.9	49.6					
USG 75M16	RR1/STS	64.9	32.3	68.6	52.5	55.6	40.7	40.3	49.5	51.6	50.7					
USG 75M49	RR1	67.8	39.6	72.7	60.5	52.0	38.5	47.0	53.1	54.6	54.0					
USG 75T18	RR1	64.9	33.0	68.5	51.4	49.8	42.7	47.8	49.7	52.3	51.2					
USG 75T40	RR1	61.3	36.3	69.8	58.8	43.6	51.1	33.4	45.3	54.6	50.6					
USG 75Z38	RR1	63.8	36.4	76.5	47.4	54.1	55.7	42.5	48.0	58.1	53.8					
Willcross RR2507NS	RR1/STS	63.1	29.6	68.3	63.9	53.7	50.9	39.9	52.5	53.0	52.8					
Willcross RR2544NS	RR1/STS	68.7	37.9	69.4	57.6	48.1	51.1	45.3	50.3	56.8	54.0					
Willcross RR2547N	RR1	71.4	41.6	72.7	55.6	64.0	51.5	42.1	53.9	59.3	57.0					
GRAND MEAN		62.6	37.7	70.2	55.8	54.5	50.4	42.1	50.8	55.2	53.3					
LSD (5%)		6.3	5.5	8.0	6.0	7.9	8.2	8.8	7.6	7.0	7.2					
C.V.		6.2	9.0	7.0	6.6	8.9	10.0	13.0	9.5	8.1	8.7					

Table 16. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹, Continued.

¹Many of the test yields this year are lower than expected due to extended periods of hot and dry weather.

Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Nonirrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

Kibler Irrigated = Vegetable Research Station. Soil series = Roxanna silt loam.

²Only MG 5's were tested at this location.

³Average yields from Marianna Irrigated and Stuttgart Irrigated.

⁴Average yields from Keiser Irrigated, Keiser Nonirrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 17. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Double-Crop				Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³		All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Irrigated	Keiser Non-Irrigated	Marianna Irrigated	Marianna Non-Irrigated	Marianna Irrigated	Marianna Non-Irrigated				Loam Average	Clay ⁴ Average	
.....bu/A.....															
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>															
AGS 568RR	RR1	63.7	40.9	69.6	57.6	52.6	52.7	35.6	48.6	53.2	56.7	53.2	56.7	53.2	
AGS 597	RR1	68.8	44.8	78.9	57.5	54.7	50.3	43.4	51.9	56.9	60.7	56.9	60.7	56.9	
AGS 606RR	RR1	57.9	41.0	69.1	55.0	56.3	52.1	34.5	48.6	52.3	55.0	52.3	55.0	52.3	
Croplan RC5663	RR1	66.5	36.7	69.6	58.7	51.0	52.6	44.0	51.2	54.2	56.4	54.2	56.4	54.2	
Delta Grow 5970RR	RR1	54.6	36.8	69.8	52.6	53.7	56.3	40.1	48.8	52.0	54.4	52.0	54.4	52.0	
Dyna-Gro 33C59	RR1	64.2	44.5	73.2	55.7	56.3	59.8	44.1	52.0	56.8	60.4	56.8	60.4	56.8	
HBK RY5820	RR2	70.7	37.6	66.8	55.1	55.5	57.7	39.9	50.1	54.7	58.2	54.7	58.2	54.7	
MorSoy RT 5688N	RR1	66.7	42.9	75.4	57.1	54.2	55.3	46.0	52.4	56.8	60.0	56.8	60.0	56.8	
Pioneer 95Y70	RR1/STS	67.4	38.1	72.1	58.2	56.4	57.7	46.3	53.6	56.6	58.8	56.6	58.8	56.6	
Progeny 5610RY	RR2	67.4	43.9	80.8	59.3	54.5	53.8	41.3	51.7	57.3	61.5	57.3	61.5	57.3	
Progeny 5622RR	RR1	62.6	43.1	75.6	59.9	46.4	50.5	37.2	47.8	53.6	57.9	53.6	57.9	53.6	
Progeny 5650RR	RR1	66.1	41.7	72.0	52.9	61.0	50.3	45.9	53.3	55.7	57.5	55.7	57.5	55.7	
Progeny 5706RR	RR1	59.9	34.4	64.7	57.6	52.1	51.9	41.6	50.4	51.7	52.7	51.7	52.7	51.7	
Syngenta S56-G6 Brand	RR1	64.6	36.9	64.7	61.1	56.5	57.0	37.3	51.6	54.0	55.8	54.0	55.8	54.0	
Terral TV59R16	RR1	69.3	44.6	68.5	59.0	54.2	54.7	40.1	51.1	55.8	59.3	55.8	59.3	55.8	
Terral-REVTM 56R21	RR1	68.6	42.3	69.5	56.8	56.0	57.4	48.6	53.8	57.0	59.4	57.0	59.4	57.0	
Terral-REVTM 57R21	RR1	69.9	38.3	71.6	56.0	54.8	57.9	45.9	52.3	56.4	59.4	56.4	59.4	56.4	
USG 7582nRR	RR1	66.8	40.4	71.3	55.3	52.0	46.4	42.7	50.0	53.6	56.2	53.6	56.2	53.6	
USG 75J90R	RR2	65.8	40.7	67.9	58.1	54.2	60.9	44.8	52.4	56.1	58.8	56.1	58.8	56.1	
USG 75Z98	RR1	70.0	42.4	76.4	54.6	56.5	56.5	39.5	50.2	56.5	61.3	56.5	61.3	56.5	
GRAND MEAN		65.6	40.6	71.4	56.9	54.4	54.6	41.9	51.1	55.1	58.0	55.1	58.0	55.1	
LSD (5%)		7.3	4.2	11.3	8.2	7.4	6.9	4.8	6.8	7.2	7.4	7.2	7.4	7.2	
C.V.		6.8	6.2	9.6	8.6	8.3	7.6	7.0	8.0	7.7	7.5	7.7	7.5	7.7	

Table 17. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2010¹.

¹Many of the test yields this year are lower than expected due to extended periods of hot and dry weather.

Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Nonirrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

Kibler Irrigated = Vegetable Research Station. Soil series = Roxanna silt loam.

²Only MG 5's were tested at this location.

³Average yields from Marianna Irrigated and Stuttgart Irrigated.

⁴Average yields from Keiser Irrigated, Keiser Nonirrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Syngenta S46-U6 Brand	82.2	75.9	71.9	9/23	2.0	1.0	43
Armor 42-M1	81.1	75.0	73.1	9/24	2.0	1.0	37
Progeny 4206RR	79.9	71.4	66.2	9/23	1.0	1.0	36
Terral-REVTM 44R22	79.1	•	•	9/27	1.0	1.0	34
ASGROW EXP944R2	76.2	•	•	9/21	1.0	1.0	31
Dyna-Gro 35x43	75.5	•	•	9/21	1.3	1.0	34
Delta Grow 4470RR/STS	75.4	69.6	•	9/21	1.0	1.0	33
Terral-REVTM 45R10	74.8	72.5	•	9/23	1.0	1.0	43
Dyna-Gro 34RY46	74.6	•	•	9/22	1.7	1.0	33
Pioneer 94Y60	74.1	70.7	69.1	9/22	1.3	1.0	32
Syngenta S44-D5 Brand	73.7	•	•	9/23	1.7	1.0	36
Pioneer 94Y40	73.6	•	•	9/27	1.0	1.0	34
Delta King DKR4440	73.5	•	•	9/22	1.7	1.0	42
AgVenture AV45X5RR	73.2	69.9	•	9/27	1.0	1.0	36
MorSoy Xtra 46X29	72.7	•	•	9/26	1.3	1.0	33
Progeny 4606RR	72.4	71.8	69.8	9/28	1.0	1.0	32
VP Maxx 44X1RR	72.4	67.1	•	9/19	1.3	1.0	37
Schillinger 457.RCP	72.3	71.4	67.9	9/27	1.7	1.0	38
USG 74A69R	72.2	•	•	9/22	1.0	1.0	39
Terral TV46R15	72.0	70.6	67.1	9/19	1.0	1.0	45
MPG 4577NRR	71.9	•	•	9/26	1.0	1.0	37
Schillinger 458.RCS	71.8	69.3	67.4	9/26	1.0	1.0	34
Dyna-Gro 36C44	71.7	68.8	66.7	9/27	1.3	1.0	33
ASGROW EXP946R2	71.5	•	•	9/26	1.3	1.0	36
MPG 4611NRR/STS	71.4	•	•	9/26	1.3	1.0	35
Progeny 4209RY	71.3	•	•	9/23	2.0	1.0	37
Progeny 3910RY	71.2	•	•	9/21	1.0	1.0	41
ASGROW AG4630	70.4	•	•	9/24	1.3	1.0	35
Progeny 4510RY	70.3	•	•	9/26	1.0	1.0	40
Progeny 4610RY	70.3	•	•	9/23	1.3	1.0	34
ASGROW AG4531	70.0	•	•	9/24	1.3	1.0	36
HBK RY4620	69.9	•	•	9/26	1.7	1.0	34

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>							
Willcross RY2460S	69.2	•	•	9/23	1.0	1.0	33
USG 74C69	69.1	68.6	•	9/22	1.3	1.0	44
Progeny 3909RR	68.2	•	•	9/26	1.0	1.0	35
Armor 46-N7	67.9	68.3	•	9/21	1.0	1.0	39
HBK R4527	65.6	67.1	66.0	9/23	1.7	1.0	45
S07-15722	62.0	•	•	9/22	1.7	1.0	47
GRAND MEAN	72.5	•	•	9/24	1.3	1.0	37
LSD (5%)	6.1	•	•	2	0.8	•	•
C.V.	5.2	•	•	4	39.1	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Schillinger 495.RC	85.1	79.3	75.7	10/01	1.7	1.0	45
Delta Grow 4970RR	81.8	75.6	72.8	10/02	2.0	1.0	40
MorSoy RT 4914N	81.8	77.6	73.3	10/02	1.7	1.0	40
Pioneer 94Y80	79.7	74.7	•	09/28	1.0	1.0	38
Armor ARX1481	79.6	•	•	10/01	1.0	1.0	36
ASGROW AG4730	78.8	•	•	10/02	1.0	1.0	29
HBK R4829	78.6	•	•	10/01	1.3	1.0	40
MorSoy Xtra 47X10	77.9	•	•	09/29	1.0	1.0	37
Willcross RR2477N	77.8	•	•	10/02	1.0	1.0	36
Pioneer 94Y70	77.3	73.4	71.3	10/01	1.0	1.0	42
Progeny 4750RR	77.2	•	•	10/01	1.3	1.0	36
Dyna-Gro 33G48	77.1	•	•	10/03	1.3	1.0	39
MorSoy Xtra 51X10	76.5	•	•	10/03	1.0	1.0	34
AgVenture AV48A8RR	76.4	•	•	10/02	1.3	1.0	40
MorSoy RTS 4824	76.4	75.3	•	09/29	1.0	1.0	38
MPG 4707NRR/STS	76.3	•	•	09/30	1.0	1.0	33
Terral-REVTM 49R10	76.1	76.0	•	09/30	1.0	1.0	44
Schillinger 4990.RC	75.9	72.8	•	10/02	1.0	1.0	38
Delta Grow 4880RR	75.8	•	•	10/01	1.3	1.0	40

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Progeny 4807RR	75.7	74.8	72.4	10/03	1.7	1.0	38
Eagle Seed ES4818	75.7	•	•	10/03	2.0	1.0	44
HBK R4924	75.6	69.6	68.6	10/01	1.7	1.0	38
MorSoy RT 4707N	75.6	72.7	69.4	10/03	2.3	1.0	36
Terral-REVTM 47R22	75.4	•	•	09/30	1.0	1.0	41
Eagle Seed ES4777	74.9	73.2	69.8	10/01	1.0	1.0	37
Delta Grow 4975RR	74.9	77.0	74.1	10/01	1.0	1.0	41
Armor 47-G10	74.7	75.7	•	09/29	1.3	1.0	44
S06-3095	74.7	73.9	•	10/02	1.0	1.0	35
Davis 147RRCNS	74.3	•	•	09/30	1.0	1.0	33
Willcross RR2490NS	74.3	75.5	•	09/30	1.0	1.0	37
Syngenta S48-C9 Brand	74.0	72.7	•	09/28	1.0	1.0	40
Dyna-Gro 37P49	74.0	75.3	74.0	09/29	1.3	1.0	32
Eagle Seed ES4998	73.9	•	•	10/01	1.0	1.0	40
Armor ARX1471	73.8	•	•	09/29	1.0	1.0	35
Armor 47-R33	73.6	76.0	•	10/01	1.3	1.0	35
Davis 247RRS	73.5	•	•	10/02	1.0	1.0	37
Delta Grow 4770RR	73.0	72.2	69.0	09/29	1.0	1.0	44
Davis 149RRCNS	73.0	•	•	09/30	1.7	1.0	40
Armor 47-F8	72.9	71.7	70.2	09/29	1.0	1.0	36
Terral-REVTM 48R22	72.5	•	•	10/03	1.7	1.0	37
ASGROW EXP948R2	72.5	•	•	09/28	1.0	1.0	44
USG 74A79R	72.0	•	•	09/30	1.3	1.0	38
MorSoy RTS 4706N	71.9	68.1	67.3	09/30	1.0	1.0	36
Willcross RR2498NS	71.8	73.8	•	09/30	1.3	1.0	39
Progeny 4949RR	71.5	71.8	68.0	10/03	2.0	1.0	44
Progeny 4908RR	71.4	71.4	68.5	10/01	1.7	1.0	46
Syngenta S47-R3 Brand	71.4	•	•	09/30	1.3	1.0	40
Terral-REVTM 49R22	71.3	•	•	09/30	1.0	1.0	41
MorSoy R2S 481	71.2	•	•	10/02	1.0	1.0	42
MorSoy Xtra 49X10	71.2	•	•	09/29	1.3	1.0	38
USG 74A91	71.1	73.9	72.2	10/03	1.0	1.0	40
Schillinger 478.RCS	71.1	73.5	70.7	09/30	1.0	1.0	38

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Progeny 4810RY	71.1	•	•	10/01	1.0	1.0	35
Delta King DKR4744	71.0	•	•	09/30	1.0	1.0	37
Dyna-Gro 37RY47	71.0	•	•	09/30	1.3	1.0	37
MorSoy Xtra 48X00	70.9	•	•	09/30	1.0	1.0	34
Terral-REVTM 48R10	70.8	70.8	•	09/30	1.0	1.0	34
Pioneer 94Y92	70.7	•	•	09/30	1.7	1.0	40
Willcross RY2481S	70.5	•	•	10/01	1.0	1.0	38
Syngenta S49-A5 Brand	70.2	•	•	09/29	1.3	1.0	44
VP Maxx 49C9RR	70.2	•	•	10/01	1.3	1.0	44
Armor ARX1477	70.0	•	•	09/28	1.7	1.0	36
Delta King DK4968	69.8	70.2	68.5	09/30	2.0	1.0	41
Progeny 4920RY	69.6	•	•	09/28	1.7	1.0	34
Pioneer 94Y91	69.6	72.4	•	10/01	1.7	1.0	37
MorSoy RTS 4955N	69.2	71.9	70.0	10/01	1.7	1.0	44
Terral-REVTM 48R21	69.1	•	•	10/01	1.0	1.0	38
USG 74F96	68.7	70.0	67.7	10/02	1.0	1.0	43
USG 7495nRS	68.7	71.3	69.5	10/01	1.7	1.0	40
Progeny 4906RR	68.6	72.1	70.9	09/30	1.0	1.0	44
Terral-REVTM 49R11	68.5	68.0	•	10/02	1.0	1.0	39
Dyna-Gro 36Y48	68.5	71.3	70.3	10/01	1.3	1.0	43
MorSoy R2 496	68.4	•	•	09/29	1.3	1.0	38
Pioneer 94Y71	67.4	•	•	09/29	1.0	1.0	38
Terral TV49R17	67.4	•	•	10/01	1.3	1.0	47
HBK RY4920	67.0	•	•	10/01	1.7	1.0	36
Willcross RR2878NS	66.6	66.1	•	09/30	1.0	1.0	41
Delta King DKX1491	66.2	•	•	09/28	1.3	1.0	33
Delta King DKX1473	66.1	•	•	10/02	1.0	1.0	39
Dyna-Gro 35RY47	65.9	•	•	10/03	1.3	1.0	45
Willcross RR2470NS	63.2	64.2	•	10/02	1.0	1.0	37
HBK R4729	62.3	62.8	•	10/02	1.3	1.0	36
USG 74E88	61.9	63.7	•	09/29	1.0	1.0	40
GRAND MEAN	72.6	•	•	10/01	1.3	1.0	39
LSD (5%)	6.0	•	•	2	0.7	•	•
C.V.	5.2	•	•	4	32.2	•	•

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Willcross RR2547N	71.4	68.0	•	10/07	1.0	1.0	38
Progeny 5110RY	70.4	•	•	09/29	1.0	1.0	26
Armor 55-A5	69.5	74.2	70.0	10/07	1.0	1.0	29
Willcross RR2544NS	68.7	71.7	•	09/30	1.0	1.0	28
Pioneer 95Y20	68.4	•	•	09/24	1.0	1.0	34
Delta King GP-500	68.2	72.3	68.5	09/30	1.0	1.0	30
Terral TV54R28	68.1	70.5	67.8	10/01	1.0	1.0	34
Progeny 5210RY	68.0	•	•	09/29	1.0	1.0	35
MPG 5407NRR	67.9	66.1	65.9	10/06	1.0	1.0	45
Terral TV55R20	67.9	71.5	•	10/02	1.0	1.0	31
USG 75M49	67.8	72.6	•	09/30	1.0	1.0	32
Delta King DKX1537	67.6	•	•	09/28	1.0	1.0	32
Armor ARX1536	67.5	•	•	09/30	1.0	1.0	28
Delta King DKX1534	67.3	•	•	09/28	1.0	1.0	33
Dyna-Gro 37RY52	67.1	•	•	09/29	1.0	1.0	30
HBK R5529	67.0	•	•	10/02	1.0	1.0	28
Armor ARX1532	66.8	•	•	09/29	1.0	1.0	30
Delta Grow 5275RR/STS2	66.8	•	•	09/28	1.0	1.0	26
HBK RY5220	66.8	•	•	09/28	1.0	1.0	36
Dyna-Gro 33B52	66.5	67.8	66.7	09/29	1.0	1.0	29
Progeny 5218RR	66.3	73.7	68.6	10/06	1.0	1.0	28
Dyna-Gro 35P53	66.3	•	•	10/03	1.0	1.0	36
ASGROW AG5331	66.3	•	•	09/29	1.0	1.0	27
Armor ARX1531	65.9	•	•	09/29	1.0	1.0	30
Delta King GP-533	65.7	70.0	67.6	10/01	1.0	1.0	32
MorSoy RT 5388N	65.5	69.5	68.6	09/30	1.0	1.0	35
Delta King DKX1538	65.5	•	•	09/29	1.0	1.0	32
Armor ARX1535	65.4	•	•	09/28	1.0	1.0	30
Pioneer 95Y01	65.3	72.2	•	09/29	1.0	1.0	35
Delta King DKX1539	65.2	•	•	09/29	1.7	1.0	51
MorSoy Xtra 52X10	65.1	•	•	09/27	1.0	1.0	27
USG 75M16	64.9	•	•	09/28	1.0	1.0	31
USG 75T18	64.9	•	•	09/28	1.0	1.0	28
Progeny 5330RR	64.4	•	•	10/02	1.0	1.0	32

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Armor 53-Z5	64.3	70.4	68.2	10/01	1.0	1.0	30
Delta Grow 5555RR	64.0	70.1	66.9	10/05	1.0	1.0	36
USG 75Z38	63.8	•	•	10/06	1.0	1.0	29
MorSoy RT 5168	63.7	68.1	66.9	09/27	1.0	1.0	40
Eagle Seed ES5507	63.3	66.1	•	10/06	1.0	1.0	35
MorSoy R2 521	63.1	•	•	09/28	1.0	1.0	30
Willcross RR2507NS	63.1	•	•	09/28	1.0	1.0	39
MorSoy RT 5429N	63.0	72.4	•	10/06	1.0	1.0	27
HBK R5226	62.9	71.4	66.5	10/06	1.0	1.0	31
Dyna-Gro 35F55	62.9	68.7	67.0	10/06	1.0	1.0	34
Delta Grow 5280RR	62.7	71.2	•	10/06	1.0	1.0	31
USG 75J10R	62.5	•	•	09/29	1.0	1.0	35
Eagle Seed ES5190RR2	62.5	•	•	10/04	1.0	1.0	24
Pioneer 95Y40	62.3	71.4	69.2	09/29	1.0	1.0	29
S06-6053	62.3	•	•	09/30	1.0	1.0	37
Croplan RC5419	62.1	68.5	•	10/06	1.0	1.0	37
Terral-REVTM 54R21	62.0	•	•	10/02	1.0	1.0	26
USG 75T40	61.3	•	•	09/30	1.0	1.0	35
Stine 5400-4	61.3	•	•	10/02	1.0	1.0	41
AgVenture AV54X4RR	61.2	66.7	64.7	10/07	1.0	1.0	34
MPG 5308NRR	61.2	69.4	68.3	09/30	1.0	1.0	34
Delta Grow 5300RR	61.2	67.1	64.8	09/29	1.0	1.0	33
Delta King DKX1533	61.2	•	•	09/29	1.0	1.0	36
Delta King DKX1540	61.1	•	•	09/27	1.0	1.0	53
Terral TV55R15	60.9	68.4	67.6	10/06	1.0	1.0	32
Syngenta S52-F2 Brand	60.8	66.9	65.4	10/04	1.0	1.0	29
Terral-REVTM 54R10	60.7	69.3	•	09/30	1.0	1.0	36
Pioneer 95Y30	60.4	67.9	•	10/01	1.0	1.0	34
Schillinger 557.RC	60.3	69.1	67.4	10/04	1.0	1.0	29
S06-4649	60.1	•	•	10/02	1.0	1.0	39
USG 7553nRS	59.6	66.7	66.1	10/01	1.0	1.0	26
Progeny 5310RY	59.6	•	•	09/29	1.7	1.0	49
Dyna-Gro 33X55	59.5	67.1	65.2	10/07	1.0	1.0	33

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Terral TV52R79	59.2	67.9	65.8	10/03	1.0	1.0	29
AgVenture AV50X6RR	58.9	68.6	68.2	09/28	1.0	1.0	38
ASGROW AG5531	58.3	•	•	09/30	1.0	1.0	52
AGS 554RR	58.2	64.9	•	10/08	1.0	1.0	33
HBK R5525	57.4	66.0	65.0	10/07	1.0	1.0	31
Progeny 5115RR	57.0	66.2	64.3	09/28	1.0	1.0	38
Terral-REVTM 55R21	56.5	•	•	10/07	1.0	1.0	34
HBK RY5520	56.2	•	•	10/02	1.3	1.0	47
MorSoy Xtra 54X10	54.5	•	•	10/02	1.7	1.0	46
Syngenta S51-T8 Brand	54.5	•	•	09/28	1.0	1.0	42
Armor ARX1552	54.3	•	•	10/01	1.7	1.0	46
ASGROW AG5431	52.2	•	•	10/01	1.0	1.0	50
USG 75J50R	52.0	•	•	10/02	1.7	1.0	47
Armor ARX1551	51.3	•	•	10/02	1.7	1.0	46
Eagle Seed ES5390RR2	49.0	•	•	09/27	1.0	1.0	26
Delta King DK5363	46.6	60.9	•	10/05	1.0	1.0	30
GRAND MEAN	62.6	•	•	10/01	1.1	1.0	34
LSD (5%)	6.3	•	•	2	0.3	•	•
C.V.	6.2	•	•	5	15.6	•	•

Maturity Group V Late (RM 5.6 to 5.9)

HBK RY5820	70.7	•	•	10/02	1.0	1.0	30
USG 75Z98	70.0	71.1	70.4	10/07	1.0	1.0	30
Terral-REVTM 57R21	69.9	•	•	10/05	1.0	1.0	33
Terral TV59R16	69.3	71.9	69.3	10/07	1.0	1.0	30
AGS 597	68.8	69.5	•	10/07	1.0	1.0	31
Terral-REVTM 56R21	68.6	•	•	10/01	1.0	1.0	31
Progeny 5610RY	67.4	•	•	10/01	1.0	1.0	31
Pioneer 95Y70	67.4	70.6	68.3	10/07	1.0	1.0	35
USG 7582nRR	66.8	66.8	65.9	10/07	1.0	1.0	33
MorSoy RT 5688N	66.7	70.4	69.4	10/07	1.0	1.0	27

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>							
Croplan RC5663	66.5	70.5	68.1	10/03	1.0	1.0	28
Progeny 5650RR	66.1	69.3	66.9	10/08	1.0	1.0	35
USG 75J90R	65.8	•	•	10/01	1.0	1.0	30
Syngenta S56-G6 Brand	64.6	•	•	10/08	1.0	1.0	28
Dyna-Gro 33C59	64.2	68.2	67.0	10/07	1.0	1.0	32
AGS 568RR	63.7	66.9	64.5	10/07	1.0	1.0	32
Progeny 5622RR	62.6	65.8	64.0	10/07	1.0	1.0	36
Progeny 5706RR	59.9	64.5	62.9	10/09	1.0	1.0	36
AGS 606RR	57.9	62.6	61.4	10/09	1.0	1.0	28
Delta Grow 5970RR	54.6	58.3	59.1	10/08	1.0	1.0	37
GRAND MEAN	65.6	•	•	10/06	1.0	1.0	32
LSD (5%)	7.3	•	•	1	•	•	•
C.V.	6.8	•	•	2	•	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series	Sharky silty clay
Previous Crop	Grain sorghum
Row Width	38 inches
Planting Date	5/28
Herbicide Applications	Sencor + Dual Magnum, 5/28; Roundup™, 6/8, 6/30 Flexstar + Select, 7/21
Insecticide Applications	Karate, 8/24
Irrigation Date	6/23, 7/22, 8/2, 8/10, 8/23
Harvest Dates	MG 4E, 10/4; MG 4L, 10/4; MG 5E, 10/14; MG 5L 10/14

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	2.7	8.9	0.3	3.5	0.1	15.5
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.2	3.7	-3.7	-0.2	-2.7	-5.1

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Syngenta S46-U6 Brand	48.5	59.5	60.5	9/23	1.0	1.0	41
Progeny 4610RY	45.9	•	•	9/21	1.0	1.0	33
Armor 42-M1	45.7	56.7	54.2	9/21	1.0	1.0	32
USG 74A69R	42.1	•	•	9/21	1.0	1.0	32
MPG 4611NRR/STS	42.0	•	•	9/21	1.0	1.0	32
Armor 46-N7	41.6	54.8	•	9/24	1.0	1.0	33
ASGROW AG4630	41.4	•	•	9/18	1.0	1.0	31
Progeny 4510RY	41.3	•	•	9/20	1.0	1.0	32
ASGROW AG4531	41.1	•	•	9/20	1.0	1.0	31
HBK RY4620	40.9	•	•	9/22	1.0	1.0	32
ASGROW EXP946R2	40.7	•	•	9/21	1.0	1.0	33
Willcross RY2460S	39.4	•	•	9/23	1.0	1.0	31
ASGROW EXP944R2	39.4	•	•	9/15	1.0	1.0	36
Dyna-Gro 36C44	39.2	50.4	51.4	9/19	1.0	1.0	33
Syngenta S44-D5 Brand	39.1	•	•	9/20	1.0	1.0	33
Progeny 4209RY	38.7	•	•	9/19	1.0	1.0	31
Dyna-Gro 35x43	38.6	•	•	9/20	1.0	1.0	34
Dyna-Gro 34RY46	38.6	•	•	9/22	1.0	1.0	30
Pioneer 94Y60	38.4	50.6	51.0	9/19	1.0	1.0	32
Schillinger 457.RCP	38.3	50.6	51.6	9/21	1.0	1.0	40
Progeny 4606RR	37.8	53.9	53.1	9/24	1.0	1.0	29
Pioneer 94Y40	37.6	•	•	9/21	1.0	1.0	32
USG 74C69	37.2	50.0	•	9/23	1.0	1.0	40
HBK R4527	37.2	46.5	50.4	9/20	1.0	1.0	38
MorSoy Xtra 46X29	37.2	•	•	9/22	1.0	1.0	31
Terral-REVTM 44R22	37.0	•	•	9/20	1.0	1.0	32
Progeny 3909RR	36.8	•	•	9/18	1.0	1.0	31
Schillinger 458.RCS	36.7	53.2	52.1	9/19	1.0	1.0	35
MPG 4577NRR	36.6	•	•	9/20	1.0	1.0	33
AgVenture AV45X5RR	36.0	53.9	•	9/21	1.0	1.0	35
Progeny 4206RR	34.3	47.2	48.5	9/16	1.0	1.0	33
Delta Grow 4470RR/STS	34.1	49.8	•	9/14	1.0	1.0	28

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>							
Delta King DKR4440	33.1	•	•	9/18	1.0	1.0	38
S07-15722	32.9	•	•	9/22	1.0	1.0	44
Terral-REVTM 45R10	31.5	48.8	•	9/19	1.0	1.0	34
Progeny 3910RY	31.4	•	•	9/12	1.0	1.0	33
VP Maxx 44X1RR	31.1	44.3	•	9/14	1.0	1.0	37
Terral TV46R15	30.7	49.7	51.8	9/14	1.0	1.0	42
GRAND MEAN	38.2	•	•	9/20	1.0	1.0	34
LSD (5%)	4.8	•	•	2	•	•	•
C.V.	7.6	•	•	6	•	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
MorSoy Xtra 47X10	47.2	•	•	9/21	1.0	1.0	31
Syngenta S48-C9 Brand	43.6	49.6	•	9/24	1.0	1.0	32
S06-3095	43.6	58.9	•	9/24	1.0	1.0	36
Davis 149RRCNS	43.2	•	•	9/23	1.0	1.0	37
Pioneer 94Y80	43.1	58.2	•	9/21	1.0	1.0	40
MorSoy Xtra 48X00	42.8	•	•	9/21	1.0	1.0	33
Dyna-Gro 33G48	42.6	•	•	9/23	1.0	1.0	38
Dyna-Gro 37RY47	42.5	•	•	9/23	1.0	1.0	33
Pioneer 94Y92	42.4	•	•	9/22	1.0	1.0	39
Eagle Seed ES4998	42.3	•	•	9/21	1.0	1.0	32
Eagle Seed ES4777	41.9	56.1	55.2	9/25	1.0	1.0	36
Delta Grow 4880RR	41.7	•	•	9/21	1.0	1.0	35
Delta Grow 4770RR	41.6	53.9	54.4	9/22	1.0	1.0	41
Pioneer 94Y71	41.4	•	•	9/22	1.0	1.0	37
Davis 247RRS	40.9	•	•	9/22	1.0	1.0	34
Armor ARX1477	40.9	•	•	9/23	1.0	1.0	31
MorSoy R2S 481	40.8	•	•	9/23	1.0	1.0	29
MorSoy Xtra 51X10	40.8	•	•	9/25	1.0	1.0	29
Progeny 4908RR	40.8	52.9	54.0	9/25	1.0	1.0	35

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
MorSoy RT 4914N	40.7	58.3	59.6	9/21	1.0	1.0	40
Willcross RR2878NS	40.6	47.8	•	9/20	1.0	1.0	38
ASGROW EXP948R2	40.6	•	•	9/23	1.0	1.0	38
Delta King DKX1473	40.5	•	•	9/22	1.0	1.0	37
Terral-REVTM 48R22	40.3	•	•	9/19	1.0	1.0	34
HBK R4829	40.1	•	•	9/22	1.0	1.0	36
Willcross RR2477N	40.0	•	•	9/23	1.0	1.0	30
Eagle Seed ES4818	39.9	•	•	9/23	1.0	1.0	38
AgVenture AV48A8RR	39.8	•	•	9/21	1.0	1.0	38
Armor 47-G10	39.7	56.3	•	9/23	1.0	1.0	41
Progeny 4949RR	39.6	53.4	54.5	9/22	1.0	1.0	39
Progeny 4750RR	39.6	•	•	9/22	1.0	1.0	37
Delta King DKR4744	39.6	•	•	9/21	1.0	1.0	34
HBK R4729	39.3	51.8	•	9/20	1.0	1.0	33
MorSoy RTS 4706N	39.1	54.1	53.1	9/21	1.0	1.0	31
Armor ARX1481	39.0	•	•	9/22	1.0	1.0	31
Schillinger 478.RCS	39.0	56.1	56.4	9/20	1.0	1.0	35
Terral-REVTM 48R10	38.8	52.9	•	9/22	1.0	1.0	34
Syngenta S49-A5 Brand	38.8	•	•	9/21	1.0	1.0	40
Schillinger 495.RC	38.7	56.2	57.1	9/21	1.0	1.0	41
HBK R4924	38.7	52.3	53.6	9/24	1.0	1.0	39
Dyna-Gro 37P49	38.6	53.3	55.5	9/21	1.0	1.0	34
Terral-REVTM 47R22	38.5	•	•	9/21	1.0	1.0	40
Delta Grow 4970RR	38.3	56.3	57.1	9/24	1.0	1.0	39
Syngenta S47-R3 Brand	37.9	•	•	9/24	1.0	1.0	37
MorSoy R2 496	37.9	•	•	9/23	1.0	1.0	38
MPG 4707NRR/STS	37.9	•	•	9/23	1.0	1.0	30
Delta King DK4968	37.6	53.7	54.5	9/22	1.0	1.0	36
Armor 47-R33	37.6	57.6	•	9/22	1.0	1.0	31
Dyna-Gro 35RY47	37.5	•	•	9/21	1.0	1.0	40
MorSoy RTS 4824	37.0	54.5	•	9/22	1.0	1.0	35
Pioneer 94Y70	36.9	51.3	53.0	9/24	1.0	1.0	41
Davis 147RRCNS	36.8	•	•	9/23	1.0	1.0	31

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
USG 74A91	36.8	53.7	54.9	9/22	1.0	1.0	34
Progeny 4810RY	36.8	•	•	9/21	1.0	1.0	34
Willcross RY2481S	36.7	•	•	9/21	1.0	1.0	32
Schillinger 4990.RC	36.7	56.2	•	9/24	1.0	1.0	36
Pioneer 94Y91	36.6	54.5	•	9/21	1.0	1.0	41
Terral-REVTM 49R22	36.5	•	•	9/21	1.0	1.0	38
ASGROW AG4730	36.2	•	•	9/25	1.0	1.0	35
Armor 47-F8	36.0	53.3	53.3	9/20	1.0	1.0	31
Terral-REVTM 48R21	35.9	•	•	9/22	1.0	1.0	36
MorSoy RT 4707N	35.8	50.8	51.9	9/22	1.0	1.0	38
HBK RY4920	35.8	•	•	9/23	1.0	1.0	29
Progeny 4807RR	35.7	52.5	53.6	9/23	1.0	1.0	38
Willcross RR2498NS	35.6	54.1	•	9/23	1.0	1.0	39
USG 74E88	35.3	46.6	•	9/19	1.0	1.0	37
USG 74F96	35.3	53.1	53.9	9/23	1.0	1.0	37
MorSoy Xtra 49X10	35.3	•	•	9/21	1.0	1.0	35
USG 74A79R	34.9	•	•	9/21	1.0	1.0	32
USG 7495nRS	34.4	52.6	53.5	9/22	1.0	1.0	36
Armor ARX1471	34.3	•	•	9/21	1.0	1.0	32
Terral TV49R17	34.0	•	•	9/21	1.0	1.0	45
VP Maxx 49C9RR	33.7	•	•	9/21	1.0	1.0	34
Progeny 4906RR	33.3	52.3	54.5	9/22	1.0	1.0	37
Delta King DKX1491	33.0	•	•	9/22	1.0	1.0	35
Delta Grow 4975RR	32.9	53.3	54.7	9/24	1.0	1.0	36
Terral-REVTM 49R10	32.3	51.8	•	9/21	1.0	1.0	43
Willcross RR2490NS	32.3	53.0	•	9/21	1.0	1.0	33
Progeny 4920RY	32.1	•	•	9/21	1.0	1.0	33
Dyna-Gro 36Y48	31.9	49.5	52.5	9/21	1.0	1.0	38
MorSoy RTS 4955N	30.7	50.0	52.4	9/22	1.0	1.0	32
Terral-REVTM 49R11	30.5	46.1	•	9/19	1.0	1.0	33
Willcross RR2470NS	29.3	44.0	•	9/21	1.0	1.0	34
GRAND MEAN	38.0	•	•	9/22	1.0	1.0	36
LSD (5%)	7.3	•	•	4	•	•	•
C.V.	11.9	•	•	11	•	•	•

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Terral TV54R28	47.6	58.2	57.9	09/30	1.0	1.0	37
Progeny 5330RR	46.7	•	•	09/29	1.0	1.0	39
MorSoy R2 521	45.7	•	•	09/30	1.0	1.0	29
Dyna-Gro 35P53	44.9	•	•	10/01	1.0	1.0	33
Croplan RC5419	44.9	59.8	•	09/30	1.0	1.0	37
Delta Grow 5555RR	44.5	58.7	62.1	10/02	1.0	1.0	34
Terral TV55R15	44.4	58.6	62.3	09/30	1.0	1.0	38
Terral-REVTM 55R21	43.1	•	•	09/30	1.0	1.0	33
Delta King DKX1537	43.0	•	•	09/25	1.0	1.0	33
MorSoy Xtra 52X10	42.5	•	•	09/29	1.0	1.0	32
Terral TV55R20	42.4	57.3	•	09/30	1.0	1.0	37
MPG 5407NRR	42.3	55.5	59.2	09/30	1.0	1.0	44
MPG 5308NRR	42.0	56.2	58.2	09/27	1.0	1.0	33
Dyna-Gro 35F55	41.9	58.1	61.0	09/29	1.0	1.0	36
Willcross RR2547N	41.6	52.0	•	09/28	1.0	1.0	41
S06-4649	41.5	•	•	09/30	1.0	1.0	37
Delta King DKX1538	41.5	•	•	09/28	1.0	1.0	33
Eagle Seed ES5507	41.3	54.6	•	09/30	1.0	1.0	42
Pioneer 95Y30	41.2	54.8	•	09/28	1.0	1.0	37
Terral-REVTM 54R21	40.9	•	•	09/29	1.0	1.0	31
Schillinger 557.RC	40.8	58.0	59.2	09/29	1.0	1.0	31
AgVenture AV54X4RR	40.7	54.0	55.7	09/28	1.0	1.0	36
Delta King DK5363	40.6	51.4	•	09/30	1.0	1.0	38
Progeny 5210RY	40.4	•	•	09/29	1.0	1.0	34
Dyna-Gro 33B52	40.3	56.0	57.3	09/27	1.0	1.0	32
MorSoy RT 5429N	39.8	58.6	•	09/30	1.0	1.0	33
USG 75M49	39.6	56.1	•	09/29	1.0	1.0	33
HBK R5226	39.4	55.0	57.8	10/01	1.0	1.0	32
Dyna-Gro 33X55	39.3	52.6	54.8	09/30	1.0	1.0	31
Progeny 5218RR	39.3	56.2	56.1	09/29	1.0	1.0	30
S06-6053	39.2	•	•	10/01	1.0	1.0	37
Terral TV52R79	39.1	57.5	58.2	09/30	1.0	1.0	32
Delta King GP-500	39.0	56.7	57.0	09/29	1.0	1.0	31
Delta King DKX1534	38.9	•	•	09/26	1.0	1.0	37

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Delta King GP-533	38.7	55.2	56.9	10/01	1.0	1.0	34
Armor ARX1532	38.5	•	•	09/27	1.0	1.0	28
AgVenture AV50X6RR	38.0	52.6	56.1	09/28	1.0	1.0	38
Willcross RR2544NS	37.9	52.7	•	09/27	1.0	1.0	31
HBK R5525	37.8	53.3	56.6	09/30	1.0	1.0	35
HBK R5529	37.8	•	•	09/29	1.0	1.0	31
Delta King DKX1533	37.7	•	•	09/28	1.0	1.0	36
Armor ARX1552	37.5	•	•	09/27	1.0	1.0	37
Syngenta S52-F2 Brand	37.4	54.8	56.7	09/30	1.0	1.0	35
Pioneer 95Y01	37.4	55.2	•	09/26	1.0	1.0	39
AGS 554RR	37.3	51.9	•	09/29	1.0	1.0	38
Armor ARX1531	37.2	•	•	09/30	1.0	1.0	31
Terral-REVTM 54R10	37.2	55.5	•	10/01	1.0	1.0	33
Pioneer 95Y40	37.1	55.7	57.2	09/27	1.0	1.0	33
Progeny 5115RR	36.9	54.0	55.1	09/29	1.0	1.0	41
Armor 53-Z5	36.9	56.0	57.6	09/27	1.0	1.0	31
Delta Grow 5300RR	36.8	53.6	54.4	09/29	1.0	1.0	33
Armor 55-A5	36.6	56.0	57.6	09/27	1.0	1.0	27
USG 75Z38	36.4	•	•	10/01	1.0	1.0	45
USG 75T40	36.3	•	•	09/29	1.0	1.0	35
Delta Grow 5280RR	36.1	54.6	•	09/30	1.0	1.0	35
HBK RY5220	36.0	•	•	09/29	1.0	1.0	34
Stine 5400-4	35.9	•	•	09/29	1.0	1.0	36
USG 7553nRS	35.9	53.5	57.6	09/29	1.0	1.0	34
Progeny 5110RY	35.8	•	•	09/28	1.0	1.0	28
Dyna-Gro 37RY52	35.8	•	•	09/27	1.0	1.0	33
Syngenta S51-T8 Brand	35.7	•	•	09/28	1.0	1.0	39
Armor ARX1536	35.7	•	•	09/30	1.0	1.0	34
MorSoy RT 5168	35.6	54.0	55.6	09/26	1.0	1.0	38
Progeny 5310RY	35.3	•	•	09/29	1.0	1.0	49
MorSoy RT 5388N	35.1	53.1	56.9	09/28	1.0	1.0	34
Armor ARX1535	34.8	•	•	09/28	1.0	1.0	36
Armor ARX1551	34.7	•	•	09/28	1.0	1.0	39

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
ASGROW AG5531	34.2	•	•	09/29	1.0	1.0	36
Delta King DKX1539	34.2	•	•	09/28	1.0	1.0	43
Delta Grow 5275RR/STS2	34.2	•	•	09/29	1.0	1.0	35
Eagle Seed ES5190RR2	33.6	•	•	09/28	1.0	1.0	25
ASGROW AG5431	33.4	•	•	09/27	1.0	1.0	38
USG 75J10R	33.2	•	•	09/27	1.0	1.0	36
MorSoy Xtra 54X10	33.0	•	•	09/28	1.0	1.0	37
USG 75T18	33.0	•	•	09/29	1.0	1.0	32
USG 75M16	32.3	•	•	10/01	1.0	1.0	35
Delta King DKX1540	30.5	•	•	09/28	1.0	1.0	41
HBK RY5520	30.1	•	•	09/29	1.0	1.0	39
USG 75J50R	30.0	•	•	10/01	1.0	1.0	40
Willcross RR2507NS	29.6	•	•	09/24	1.0	1.0	39
Eagle Seed ES5390RR2	26.0	•	•	09/27	1.0	1.0	28
Pioneer 95Y20	25.6	•	•	09/15	1.0	1.0	35
ASGROW AG5331	24.6	•	•	09/29	1.0	1.0	30
GRAND MEAN	37.7	•	•	09/29	1.0	1.0	35
LSD (5%)	5.5	•	•	3	•	•	•
C.V.	9.0	•	•	6	•	•	•

Maturity Group V Late (RM 5.6 to 5.9)

AGS 597	44.8	61.2	•	10/01	1.0	1.0	32
Terral TV59R16	44.6	59.2	61.6	10/03	1.0	1.0	35
Dyna-Gro 33C59	44.5	59.4	61.7	10/03	1.0	1.0	34
Progeny 5610RY	43.9	•	•	09/30	1.0	1.0	31
Progeny 5622RR	43.1	57.5	60.2	10/02	1.0	1.0	36
MorSoy RT 5688N	42.9	59.1	61.3	10/03	1.0	1.0	33
USG 75Z98	42.4	57.4	59.6	10/03	1.0	1.0	34
Terral-REVTM 56R21	42.3	•	•	10/01	1.0	1.0	34
Progeny 5650RR	41.7	56.1	57.8	10/04	1.0	1.0	41
AGS 606RR	41.0	55.5	56.6	10/05	1.0	1.0	30

Table 19. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>							
AGS 568RR	40.9	55.5	56.7	10/03	1.0	1.0	34
USG 75J90R	40.7	•	•	09/29	1.0	1.0	35
USG 7582nRR	40.4	53.8	56.7	10/02	1.0	1.0	35
Terral-REVTM 57R21	38.3	•	•	10/04	1.0	1.0	36
Pioneer 95Y70	38.1	55.4	59.0	10/03	1.0	1.0	41
HBK RY5820	37.6	•	•	10/01	1.0	1.0	33
Syngenta S56-G6 Brand	36.9	•	•	10/03	1.0	1.0	30
Delta Grow 5970RR	36.8	53.3	55.2	10/03	1.0	1.0	34
Croplan RC5663	36.7	54.6	56.7	09/30	1.0	1.0	28
Progeny 5706RR	34.4	53.0	55.8	10/03	1.0	1.0	34
GRAND MEAN	40.6	•	•	10/02	1.0	1.0	33
LSD (5%)	4.2	•	•	2	•	•	•
C.V.	6.2	•	•	3	•	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series	Sharky silty clay
Previous Crop	Grain sorghum
Row Width	38 inches
Planting Date	MG 4 5/26; MG 5 5/27
Herbicide Applications	Sencor + Dual Magnum, 5/28; Roundup™, 6/18, 6/30 Flexstar + Select, 7/21
Insecticides Applications	Karate, 8/24
Harvest Dates	MG 4E, 9/30; MG 4L, 9/30; MG 5E, 10/12; MG 5L 10/12

	<u>Precipitation (inches)</u>					
	April	May	June	July	August	Total
2010	2.7	8.9	0.3	3.5	0.1	15.5
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.2	3.7	-3.7	-0.2	-2.7	-5.1

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Syngenta S46-U6 Brand	85.2	79.1	73.7	09/29	1.0	1.0	42
Armor 42-M1	82.5	76.7	72.0	09/28	1.0	1.0	39
VP Maxx 44X1RR	81.0	76.7	•	09/27	2.0	1.0	38
Dyna-Gro 35x43	80.2	•	•	09/28	1.7	1.0	38
Progeny 4206RR	79.7	75.9	72.9	09/27	1.0	1.0	40
Willcross RY2460S	77.7			09/29	1.3	1.0	34
ASGROW EXP946R2	77.6	•	•	09/27	1.3	1.0	40
Dyna-Gro 34RY46	76.9	•	•	09/28	2.0	1.0	34
Dyna-Gro 36C44	76.8	72.1	69.1	09/27	1.0	1.0	40
MPG 4577NRR	76.7	•	•	09/27	1.0	1.0	42
Schillinger 458.RCS	76.0	72.1	71.9	09/27	1.3	1.0	40
Pioneer 94Y40	75.3	•	•	09/28	1.0	1.0	37
Terral-REVTM 44R22	75.1	•	•	09/27	1.7	1.0	36
Syngenta S44-D5 Brand	75.0	•	•	09/28	1.0	1.0	35
Delta King DKR4440	74.9	•	•	09/29	2.0	1.0	38
Pioneer 94Y60	73.9	66.9	64.7	09/27	1.0	1.0	36
USG 74A69R	73.4	•	•	09/28	1.7	1.0	39
Terral-REVTM 45R10	72.6	68.6	•	09/27	1.3	1.0	42
MPG 4611NRR/STS	72.4	•	•	09/28	2.0	1.0	38
ASGROW EXP944R2	71.8	•	•	09/27	1.3	1.0	36
Progeny 3909RR	71.7	•	•	09/27	1.0	1.0	41
Progeny 3910RY	71.4	•	•	09/27	2.0	1.0	35
AgVenture AV45X5RR	71.1	72.5	•	09/29	1.0	1.0	40
Delta Grow 4470RR/STS	71.1	71.3	71.3	09/27	1.0	1.0	31
Armor 46-N7	70.6	70.9	•	09/29	1.0	1.0	35
Terral TV46R15	70.4	69.8	68.4	09/29	2.0	1.0	41
Progeny 4606RR	70.3	73.3	71.1	10/01	1.0	1.0	34
Schillinger 457.RCP	70.2	67.6	65.3	09/29	2.0	1.0	38
HBK RY4620	69.9	•	•	09/28	1.3	1.0	34
Progeny 4209RY	69.7	•	•	09/28	1.0	1.0	40
Progeny 4510RY	67.9	•	•	09/29	1.0	1.0	40
ASGROW AG4531	66.2	•	•	09/28	1.3	1.0	37

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							

Maturity Group IV Early (RM 4.0 to 4.6) Continued

ASGROW AG4630	65.4	•	•	09/28	1.0	1.0	35
Progeny 4610RY	65.4	•	•	09/29	1.3	1.0	39
MorSoy Xtra 46X29	64.6	•	•	09/28	2.0	1.0	37
USG 74C69	63.5	65.9	•	10/01	1.7	1.0	45
S07-15722	60.4	•	•	09/30	2.0	1.0	26
HBK R4527	53.9	61.5	62.8	09/27	1.7	1.0	44
GRAND MEAN	72.3	•	•	09/28	1.4	1.0	38
LSD (5%)	10.2	•	•	1	0.5	•	•
C.V.	8.6	•	•	3	23.6	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

Progeny 4750RR	80.3	•	•	10/05	2.7	1.0	45
AgVenture AV48A8RR	79.8	•	•	09/29	1.7	1.0	40
Terral-REVTM 48R22	79.3	•	•	09/30	2.0	1.0	37
MorSoy RT 4914N	79.0	73.6	68.5	10/08	2.7	1.0	40
Schillinger 4990.RC	78.8	76.5	•	10/04	2.0	1.0	41
Progeny 4807RR	78.7	75.3	73.1	10/03	1.3	1.0	36
Willcross RR2477N	77.8	•	•	09/29	1.0	1.0	41
Delta Grow 4880RR	77.5	•	•	10/02	2.0	1.0	35
MPG 4707NRR/STS	77.2	•	•	10/01	1.0	1.0	34
Delta Grow 4970RR	77.1	71.4	70.4	10/06	2.7	1.0	43
Pioneer 94Y80	76.4	69.1	•	10/01	3.0	1.0	38
Armor 47-R33	75.9	76.1	•	09/30	1.3	1.0	37
Willcross RR2490NS	75.2	71.2	•	10/03	1.0	1.0	42
Armor ARX1471	75.0	•	•	09/27	1.0	1.0	40
Delta Grow 4770RR	74.7	73.4	70.7	09/28	2.0	1.0	42
Willcross RR2878NS	74.7	66.5	•	09/28	1.7	1.0	46
Armor ARX1477	74.4	•	•	09/29	1.3	1.0	42
HBK R4924	74.4	65.3	64.7	10/04	1.3	1.0	35
Dyna-Gro 33G48	74.3	•	•	10/05	2.0	1.0	44
Eagle Seed ES4998	74.1	•	•	10/02	1.7	1.0	36

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
HBK R4829	74.1	•	•	10/04	2.0	1.0	42
Terral-REVTM 49R10	73.8	73.9	•	10/03	2.0	1.0	41
Pioneer 94Y92	73.7	•	•	09/30	1.7	1.0	41
Delta King DKX1473	73.6	•	•	09/28	1.7	1.0	41
Davis 149RRCNS	73.6	•	•	09/28	1.7	1.0	44
MorSoy Xtra 47X10	73.3	•	•	10/01	2.0	1.0	41
Davis 147RRCNS	73.2	•	•	09/30	1.0	1.0	34
Terral-REVTM 49R11	73.1	64.9	•	09/28	1.0	1.0	36
Armor ARX1481	73.0	•	•	09/30	1.7	1.0	42
Terral-REVTM 47R22	72.8	•	•	10/03	1.0	1.0	38
MorSoy RTS 4706N	72.8	66.5	68.0	10/02	1.0	1.0	37
USG 74A91	72.7	69.3	67.6	09/30	1.3	1.0	40
Terral-REVTM 49R22	72.6	•	•	10/05	2.3	1.0	38
MorSoy Xtra 51X10	72.6	•	•	10/06	1.0	1.0	37
Progeny 4908RR	72.3	69.2	64.6	10/03	1.7	1.0	38
MorSoy RT 4707N	72.3	70.6	70.0	10/06	1.7	1.0	43
Eagle Seed ES4818	72.2	•	•	10/07	2.0	1.0	38
Pioneer 94Y71	72.1	•	•	09/29	1.7	1.0	41
Dyna-Gro 35RY47	71.8	•	•	09/28	1.7	1.0	40
Progeny 4920RY	71.5	•	•	09/30	2.0	1.0	39
ASGROW EXP948R2	71.3	•	•	10/01	1.3	1.0	44
Delta King DK4968	71.3	70.9	67.8	10/04	2.0	1.0	41
Eagle Seed ES4777	71.2	70.9	68.4	10/05	1.7	1.0	41
MorSoy RTS 4824	71.2	74.8	•	09/29	1.7	1.0	40
Progeny 4810RY	71.2	•	•	09/30	1.3	1.0	36
MorSoy R2 496	70.9	•	•	09/30	1.7	1.0	33
MorSoy Xtra 48X00	70.6	•	•	09/29	2.0	1.0	41
Syngenta S49-A5 Brand	70.6	•	•	09/30	1.0	1.0	41
Pioneer 94Y70	70.6	68.8	66.1	09/29	1.3	1.0	41
ASGROW AG4730	70.2	•	•	09/29	1.3	1.0	38
Terral-REVTM 48R10	70.0	68.9	•	09/30	2.0	1.0	44
Willcross RR2498NS	69.9	67.2	•	10/05	2.3	1.0	42
Davis 247RRS	69.8	•	•	09/29	2.0	1.0	40

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Progeny 4906RR	69.6	71.8	69.7	09/30	1.7	1.0	42
Armor 47-G10	69.5	69.1	•	09/29	2.0	1.0	40
Willcross RY2481S	69.3	•	•	09/29	2.0	1.0	41
Delta King DKR4744	69.2	•	•	09/29	1.7	1.0	39
Armor 47-F8	68.8	63.5	62.7	10/02	1.0	1.0	30
Syngenta S48-C9 Brand	68.7	67.3	•	09/30	1.7	1.0	42
MorSoy R2S 481	68.7	•	•	09/29	1.7	1.0	42
Progeny 4949RR	68.6	70.3	66.2	10/07	2.7	1.0	42
Pioneer 94Y91	68.0	66.6	•	09/29	1.7	1.0	44
Dyna-Gro 37P49	67.7	70.8	70.4	09/30	1.3	1.0	40
USG 74A79R	67.4	•	•	09/30	2.0	1.0	40
Schillinger 478.RCS	67.3	69.3	66.6	10/04	1.7	1.0	40
Delta Grow 4975RR	67.1	70.1	70.3	09/30	1.0	1.0	33
Schillinger 495.RC	66.7	69.9	68.5	10/05	2.3	1.0	40
Syngenta S47-R3 Brand	66.5	•	•	09/30	1.3	1.0	38
USG 74E88	65.6	60.5	•	09/28	2.0	1.0	39
S06-3095	65.2	63.7	•	10/06	2.7	1.0	40
Willcross RR2470NS	65.0	60.9	•	09/28	1.0	1.0	44
Terral TV49R17	64.8	•	•	10/06	2.0	1.0	41
Dyna-Gro 37RY47	64.6	•	•	09/28	1.3	1.0	39
HBK RY4920	64.4	•	•	09/30	2.0	1.0	39
USG 74F96	63.8	67.7	66.7	10/06	2.0	1.0	44
Dyna-Gro 36Y48	63.5	60.6	62.1	10/02	1.7	1.0	38
MorSoy RTS 4955N	63.4	67.0	65.8	10/04	2.0	1.0	37
Delta King DKX1491	63.1	•	•	09/30	1.7	1.0	35
Terral-REVTM 48R21	63.0	•	•	10/03	1.0	1.0	37
USG 7495nRS	61.3	67.3	68.1	10/03	1.3	1.0	38
MorSoy Xtra 49X10	61.1	•	•	10/01	1.7	1.0	38
HBK R4729	59.7	64.2	•	09/30	1.0	1.0	39
VP Maxx 49C9RR	56.8	•	•	09/30	2.0	1.0	39
GRAND MEAN	70.8	•	•	10/01	1.7	1.0	40
LSD (5%)	10.4	•	•	3	0.7	•	•
C.V.	9.1	•	•	5	27.1	•	•

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Progeny 5110RY	81.6	•	•	10/08	1.0	1.0	40
Progeny 5330RR	79.9	•	•	10/09	2.7	1.0	38
MPG 5407NRR	79.2	69.4	69.0	10/09	2.0	1.0	42
Pioneer 95Y20	76.7	•	•	10/01	2.3	1.0	39
USG 75Z38	76.5	•	•	10/13	2.7	1.0	35
Terral TV54R28	76.4	70.3	66.2	10/08	2.7	1.0	37
Dyna-Gro 33B52	76.3	68.6	67.4	10/08	3.0	1.0	34
Syngenta S52-F2 Brand	76.1	71.9	70.9	10/10	2.3	1.0	37
Armor ARX1535	75.4	•	•	10/07	2.7	1.0	40
Armor ARX1531	75.4	•	•	10/09	2.0	1.0	36
AGS 554RR	75.1	72.4	•	10/13	3.0	1.0	40
MorSoy R2 521	75.0	•	•	10/05	1.7	1.0	35
Armor ARX1532	75.0	•	•	10/03	1.3	1.0	34
Progeny 5210RY	74.9	•	•	10/07	2.3	1.0	37
Terral TV55R15	74.9	67.0	66.5	10/12	3.0	1.0	30
MorSoy Xtra 52X10	74.7	•	•	10/04	1.7	1.0	40
Terral TV55R20	73.7	68.9	•	10/10	2.7	1.0	28
Dyna-Gro 37RY52	73.2	•	•	10/08	2.7	1.0	37
Terral-REVTM 54R21	73.0	•	•	10/09	1.7	1.0	38
Delta Grow 5280RR	72.9	70.5	•	10/12	2.3	1.0	40
MorSoy RT 5429N	72.9	74.6	•	10/10	2.3	1.0	42
Dyna-Gro 33X55	72.8	68.8	67.8	10/11	3.0	1.0	39
USG 75M49	72.7	66.7	•	10/10	2.7	1.0	37
Willcross RR2547N	72.7	67.5	•	10/10	1.0	1.0	39
Terral-REVTM 54R10	72.3	68.4	•	10/10	3.0	1.0	33
ASGROW AG5531	72.2	•	•	10/09	2.0	1.0	46
Delta King DKX1537	71.9	•	•	10/05	2.0	1.0	38
Pioneer 95Y30	71.9	68.4	•	10/09	2.0	1.0	38
Delta King GP-533	71.6	71.4	68.3	10/10	2.3	1.0	33
Croplan RC5419	71.6	67.2	•	10/11	2.3	1.0	40
Delta King DKX1533	71.6	•	•	10/07	1.7	1.0	36
Stine 5400-4	71.5	•	•	10/05	2.0	1.0	40
Eagle Seed ES5507	71.4	67.9	•	10/12	2.7	1.0	38
HBK R5226	71.3	68.6	67.6	10/12	2.7	1.0	33
Delta King DKX1540	71.2	•	•	10/04	2.0	1.0	42

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Delta King DKX1538	70.7	•	•	10/04	1.7	1.0	38
Delta Grow 5555RR	70.5	68.5	67.0	10/11	2.7	1.0	41
ASGROW AG5431	70.2	•	•	10/06	1.7	1.0	45
Progeny 5218RR	70.1	71.1	70.1	10/12	2.3	1.0	37
MorSoy RT 5388N	69.9	69.9	68.5	10/10	2.3	1.0	41
MorSoy Xtra 54X10	69.9	•	•	10/08	2.0	1.0	40
S06-6053	69.9	•	•	10/07	2.7	1.0	27
Delta Grow 5300RR	69.8	66.4	67.7	10/09	2.0	1.0	39
USG 75T40	69.8	•	•	10/09	1.7	1.0	41
HBK R5525	69.7	66.9	69.3	10/12	3.0	1.0	35
Dyna-Gro 35P53	69.6	•	•	10/09	2.7	1.0	40
Armor 55-A5	69.6	70.6	69.3	10/10	1.7	1.0	38
Willcross RR2544NS	69.4	70.0	•	10/07	2.0	1.0	40
HBK RY5220	69.2	•	•	10/08	2.7	1.0	29
Pioneer 95Y40	68.9	71.2	70.1	10/09	2.7	1.0	38
ASGROW AG5331	68.7	•	•	10/07	2.3	1.0	37
USG 75M16	68.6	•	•	10/07	2.7	1.0	38
Terral TV52R79	68.6	70.5	69.0	10/09	2.3	1.0	39
USG 75T18	68.5	•	•	10/02	1.7	1.0	34
AgVenture AV50X6RR	68.4	68.8	66.8	10/02	2.0	1.0	41
Willcross RR2507NS	68.3	•	•	10/05	2.3	1.0	42
Delta King GP-500	68.2	68.7	67.4	10/06	2.3	1.0	40
Progeny 5310RY	67.9	•	•	10/07	2.3	1.0	46
Schillinger 557.RC	67.5	67.7	66.9	10/09	2.3	1.0	38
AgVenture AV54X4RR	67.5	67.5	66.6	10/12	2.0	1.0	40
HBK R5529	67.5	•	•	10/10	2.7	1.0	32
Progeny 5115RR	67.4	65.8	64.2	10/05	1.3	1.0	42
Armor 53-Z5	67.2	66.5	66.6	10/08	1.3	1.0	42
Armor ARX1551	67.1	•	•	10/10	1.7	1.0	42
USG 75J10R	66.9	•	•	10/04	2.0	1.0	31
Terral-REVTM 55R21	66.6	•	•	10/13	2.3	1.0	40
Dyna-Gro 35F55	66.6	64.6	64.8	10/11	2.7	1.0	34

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Pioneer 95Y01	66.1	67.3	•	10/05	2.0	1.0	39
S06-4649	66.0	•	•	10/07	2.3	1.0	41
USG 75J50R	65.9	•	•	10/09	2.0	1.0	44
Delta Grow 5275RR/STS2	65.9	•	•	10/06	2.3	1.0	39
Delta King DKX1539	65.4	•	•	10/06	2.0	1.0	48
USG 7553nRS	65.3	68.0	69.8	10/09	2.3	1.0	40
Armor ARX1536	65.0	•	•	10/08	3.0	1.0	42
Delta King DK5363	65.0	66.3	•	10/11	2.3	1.0	38
MorSoy RT 5168	64.9	63.9	65.0	10/05	2.3	1.0	40
Eagle Seed ES5190RR2	64.7	•	•	10/07	1.7	1.0	38
HBK RY5520	64.7	•	•	10/08	1.7	1.0	42
Syngenta S51-T8 Brand	64.7	•	•	10/04	2.0	1.0	45
Delta King DKX1534	63.7	•	•	10/06	2.7	1.0	43
Armor ARX1552	62.7	•	•	10/09	1.3	1.0	43
MPG 5308NRR	61.3	64.9	64.7	10/08	2.0	1.0	36
Eagle Seed ES5390RR2	60.1	•	•	10/01	1.3	1.0	35
GRAND MEAN	70.2	•	•	10/08	2.2	1.0	38
LSD (5%)	8.0	•	•	3	0.9	•	•
C.V.	7.0	•	•	26	25.4	•	•

Maturity Group V Late (RM 5.6 to 5.9)

Progeny 5610RY	80.8	•	•	10/08	1.7	1.0	37
AGS 597	78.9	73.9	•	10/13	3.0	1.0	38
USG 75Z98	76.4	69.5	68.6	10/13	2.7	1.0	36
Progeny 5622RR	75.6	73.0	70.5	10/14	2.7	1.0	40
MorSoy RT 5688N	75.4	71.0	68.2	10/13	2.3	1.0	38
Dyna-Gro 33C59	73.2	69.7	69.8	10/12	2.7	1.0	33
Pioneer 95Y70	72.1	69.2	65.8	10/13	2.7	1.0	39
Progeny 5650RR	72.0	67.6	65.7	10/13	2.3	1.0	34
Terral-REVTM 57R21	71.6	•	•	10/11	2.0	1.0	35
USG 7582nRR	71.3	68.1	70.6	10/12	2.0	1.0	38

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>							
Delta Grow 5970RR	69.8	67.9	66.3	10/14	2.0	1.0	42
Croplan RC5663	69.6	71.0	67.9	10/10	2.0	1.0	34
AGS 568RR	69.6	69.1	67.9	10/12	2.0	1.0	40
Terral-REVTM 56R21	69.5	•	•	10/11	2.0	1.0	38
AGS 606RR	69.1	66.2	66.2	10/14	2.3	1.0	37
Terral TV59R16	68.5	67.8	67.7	10/13	2.3	1.0	32
USG 75J90R	67.9	•	•	10/12	2.3	1.0	36
HBK RY5820	66.8	•	•	10/12	1.7	1.0	39
Progeny 5706RR	64.7	65.9	65.7	10/14	1.7	1.0	40
Syngenta S56-G6 Brand	64.7	•	•	10/15	1.7	1.0	36
GRAND MEAN	71.4	•	•	10/12	2.2	1.0	37
LSD (5%)	11.3	•	•	3	0.8	•	•
C.V.	9.6	•	•	13	23.2	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.

Soil Series	Sharkey silty clay
Previous Crop	Corn
Row Width	Four 7.5-inch rows on two 38-inch beds
Planting Date	MG 4 6/16; MG 5 6/17
Herbicide Applications	Sencor + Dual Magnum, 6/17; Roundup™, 6/28; Flexstar + Select, 7/21
Insecticides Applications	Karate, 8/24
Irrigation Dates	7/7, 7/22, 8/2, 8/6, 8/9, 8/13, 8/18, 9/8
Harvest Dates	MG 4E 10/19; MG 4L 10/19; MG 5E 10/20; MG 5L 10/20

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	2.7	8.9	0.3	3.5	0.1	15.5
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.2	3.7	-3.7	-0.2	-2.7	-5.1

**Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Center, Marianna, Ark., 2010.**

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
		.....bu/A.....					
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Syngenta S46-U6 Brand	64.0	75.3	73.8	9/28	2.0	1.3	44
Progeny 4606RR	62.4	68.2	66.5	9/30	1.0	1.0	36
Terral-REVTM 44R22	60.4	•	•	9/24	1.7	1.0	35
Dyna-Gro 35x43	60.1	•	•	9/24	2.3	1.3	41
ASGROW EXP944R2	59.7	•	•	9/23	1.7	1.3	36
Syngenta S44-D5 Brand	59.5	•	•	9/25	1.7	2.0	39
Pioneer 94Y40	59.5	•	•	9/26	1.0	1.0	34
USG 74C69	59.2	•	•	9/28	2.0	1.3	39
Terral-REVTM 45R10	59.1	•	•	9/23	2.0	1.0	45
Progeny 4610RY	59.0	•	•	9/29	1.3	1.0	35
Dyna-Gro 36C44	58.9	73.4	•	9/26	1.0	1.0	31
Armor 42-M1	58.7	74.3	•	9/29	1.0	1.7	35
MorSoy Xtra 46X29	58.5	•	•	9/29	1.7	1.0	39
Schillinger 458.RCS	58.3	71.5	•	9/28	1.3	1.3	36
Progeny 4209RY	58.0	•	•	9/28	1.3	1.0	37
Progeny 4510RY	57.4	•	•	9/29	1.3	1.0	36
USG 74A69R	57.3	•	•	9/29	1.0	1.3	37
ASGROW EXP946R2	57.2	•	•	9/25	1.3	1.3	42
ASGROW AG4531	57.1	•	•	9/29	1.3	1.0	38
Delta Grow 4470RR/STS	56.6	•	•	9/25	1.3	1.3	33
Progeny 4206RR	56.6	69.5	71.3	9/18	1.3	2.3	40
Pioneer 94Y60	56.2	70.0	•	9/26	1.0	1.0	33
Willcross RY2460S	55.5	•	•	9/28	1.0	1.0	38
MPG 4611NRR/STS	55.4	•	•	9/29	1.3	1.0	38
ASGROW AG4630	55.3	•	•	9/28	2.0	1.3	39
Progeny 3909RR	55.1	•	•	9/19	1.0	2.0	37
Delta King DKR4440	54.9	•	•	9/28	4.0	1.3	46
Dyna-Gro 34RY46	54.9	•	•	9/28	1.3	1.7	32
Armor 46-N7	54.2	•	•	9/28	1.3	1.0	34
Schillinger 457.RCP	53.6	67.7	66.2	9/27	3.3	2.0	45
MPG 4577NRR	53.0	•	•	9/23	1.3	1.3	40
HBK RY4620	52.6	•	•	9/28	1.7	1.3	40

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
	Average		Average	Date	Score	Score	Height

.....bu/A.....

Maturity Group IV Early (RM 4.0 to 4.6) Continued

AgVenture AV45X5RR	51.9			9/29	2.0	1.0	41
HBK R4527	51.2	61.2	60.7	9/24	2.7	1.0	43
VP Maxx 44X1RR	50.9	•	•	9/20	2.3	1.3	38
Progeny 3910RY	50.7	•	•	9/22	2.3	1.7	35
S07-15722	48.9	•	•	9/28	2.7	1.3	46
Terral TV46R15	47.8	61.0	61.2	9/24	3.3	1.7	39
GRAND MEAN	56.3	•	•	9/26	1.7	1.3	38
LSD (5%)	5.8	•	•	2	0.8	0.7	•
C.V.	6.4	•	•	4	27.8	34.0	•

Maturity Group IV Late (RM 4.7 to 4.9)

Progeny 4807RR	67.4	77.1	72.7	10/07	1.3	1.0	43
Willcross RR2477N	66.4	•	•	10/05	1.0	1.0	36
Pioneer 94Y71	63.9	•	•	10/01	1.3	2.0	37
Davis 147RRCNS	62.5	•	•	10/03	1.0	1.0	37
MorSoy Xtra 48X00	62.5	•	•	10/04	1.0	1.7	38
Willcross RR2490NS	62.5	•	•	10/02	1.7	1.0	36
Eagle Seed ES4998	62.2	•	•	09/29	2.3	1.7	44
Progeny 4750RR	62.1	•	•	09/29	2.3	2.0	44
Armor 47-G10	61.2	•	•	10/02	2.0	1.0	44
ASGROW EXP948R2	61.1	•	•	10/03	1.3	1.0	36
Syngenta S48-C9 Brand	60.7	•	•	10/01	1.0	1.0	39
MorSoy RT 4707N	60.7	72.7	71.1	10/04	2.3	1.0	45
Delta King DKX1491	60.5	•	•	10/05	1.3	1.0	38
S06-3095	60.5	•	•	09/30	4.7	2.3	47
VP Maxx 49C9RR	60.3	•	•	10/03	1.3	1.3	43
Davis 149RRCNS	60.2	•	•	10/02	1.3	1.3	42
MorSoy RTS 4824	59.9	•	•	10/01	1.7	1.0	43
Pioneer 94Y91	59.9	•	•	10/03	1.7	1.7	50
HBK R4924	59.6	66.0	64.1	10/07	2.3	1.0	44
Dyna-Gro 37P49	59.4	68.9	67.1	10/01	1.7	1.0	41

**Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Center, Marianna, Ark., 2010, Continued.**

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
MorSoy Xtra 49X10	59.4	•	•	10/07	1.7	1.0	39
Dyna-Gro 33G48	59.4	•	•	10/03	2.3	1.3	39
HBK R4829	59.3	•	•	09/01	2.0	2.0	40
HBK RY4920	59.2	•	•	10/05	1.7	1.3	39
Schillinger 4990.RC	59.2	•	•	10/09	2.3	1.3	39
USG 7495nRS	59.2	71.9	•	10/06	2.7	1.3	40
Davis 247RRS	58.7	•	•	09/30	1.7	1.0	41
Dyna-Gro 36Y48	58.7	72.5	69.9	10/04	2.7	1.3	44
USG 74F96	58.6	65.8	•	10/09	1.7	1.0	43
Willcross RY2481S	58.5	•	•	09/28	1.0	1.3	39
MorSoy RTS 4955N	58.4	69.1	66.9	10/03	2.3	1.3	44
Terral-REVTM 49R10	58.3	•	•	09/30	3.3	1.0	45
Progeny 4908RR	58.2	65.7	•	10/02	1.7	1.3	39
Eagle Seed ES4818	58.1	•	•	10/09	2.7	1.3	38
Armor 47-F8	58.1	67.4	68.0	10/01	1.0	1.0	35
Eagle Seed ES4777	58.0	66.4	67.9	10/02	1.3	1.7	41
AgVenture AV48A8RR	57.9	•	•	09/30	2.0	1.7	42
Willcross RR2498NS	57.7	•	•	10/05	1.7	1.0	39
MorSoy RTS 4706N	57.4	68.4	69.0	10/06	1.0	1.0	33
Terral-REVTM 48R21	57.2	•	•	10/02	1.7	1.0	43
Dyna-Gro 37RY47	57.0	•	•	09/30	1.3	1.0	41
MorSoy Xtra 47X10	57.0	•	•	10/03	1.0	1.3	39
Terral-REVTM 49R22	57.0	•	•	10/01	2.0	1.3	46
Schillinger 495.RC	56.9	69.4	65.3	10/09	3.0	1.3	44
Progeny 4920RY	56.9	•	•	10/04	1.7	1.0	39
MorSoy RT 4914N	56.8	67.8	63.0	10/09	2.7	1.0	42
Delta King DK4968	56.7	65.8	59.3	10/05	3.0	1.3	44
Schillinger 478.RCS	56.6	69.7	•	10/06	1.7	1.3	43
Delta Grow 4880RR	56.6	•	•	10/03	1.3	2.0	43
Progeny 4949RR	56.2	61.7	57.2	10/02	2.0	1.3	45
MorSoy Xtra 51X10	56.1	•	•	10/04	1.0	1.3	32
Syngenta S47-R3 Brand	56.0	•	•	10/01	2.0	1.0	41
ASGROW AG4730	55.7	•	•	09/30	1.0	1.0	39

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
		.....bu/A.....					
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Delta Grow 4975RR	55.5	67.2	65.1	09/30	2.3	1.0	42
MorSoy R2S 481	55.5	•	•	09/29	1.0	1.0	38
Terral-REVTM 48R10	55.1	•	•	09/28	2.3	3.0	40
USG 74A79R	54.9	•	•	09/30	1.3	1.7	36
Armor ARX1481	54.2	•	•	10/03	1.0	1.0	40
USG 74A91	54.1	67.5	•	10/02	1.7	1.7	40
Armor ARX1477	54.0	•	•	09/30	1.0	1.7	36
Delta King DKX1473	54.0	•	•	09/27	1.0	2.3	44
Delta King DKR4744	54.0	•	•	10/01	1.0	1.0	40
Dyna-Gro 35RY47	53.9	•	•	09/26	1.3	2.0	42
Pioneer 94Y80	53.8	•	•	09/29	3.7	1.7	43
Progeny 4810RY	53.6	•	•	09/29	1.0	1.0	38
Willcross RR2470NS	52.5	•	•	09/24	2.3	2.0	43
Armor ARX1471	52.4	•	•	09/25	1.0	3.3	37
Pioneer 94Y92	52.4	•	•	09/30	1.3	2.0	44
HBK R4729	52.3	•	•	09/26	2.0	2.0	40
Syngenta S49-A5 Brand	51.9	•	•	09/30	1.3	1.7	48
Armor 47-R33	51.9	•	•	10/01	1.7	1.7	39
Delta Grow 4970RR	51.2	61.2	59.3	10/09	3.0	1.7	42
MorSoy R2 496	51.0	•	•	10/07	1.3	1.0	40
Progeny 4906RR	50.6	65.6	65.3	10/05	1.0	1.3	47
Terral-REVTM 47R22	50.4	•	•	10/01	1.3	3.0	42
Delta Grow 4770RR	49.9	66.3	67.5	09/26	2.3	2.0	42
Pioneer 94Y70	49.6	70.1	•	09/27	1.7	2.0	46
MPG 4707NRR/STS	49.2	•	•	10/07	1.0	1.0	36
Terral-REVTM 48R22	47.2	•	•	09/25	2.0	2.7	36
USG 74E88	47.1	•	•	09/24	1.7	2.7	47
Terral TV49R17	47.0	•	•	10/03	2.3	1.7	51
Willcross RR2878NS	46.7	•	•	09/24	2.0	1.7	46
Terral-REVTM 49R11	45.8	•	•	09/25	1.3	2.7	37
GRAND MEAN	56.5	•	•	10/02	1.8	1.5	41
LSD (5%)	7.1	•	•	4	1.0	0.8	•
C.V.	7.8	•	•	7	34.2	32.1	•

**Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Center, Marianna, Ark., 2010, Continued.**

Variety/Experimental Line	2010	2-Year ³	3-Year ⁴	Maturity	Lodging	Shatter	Plant
	.....bu/A.....	Average	Average	Date	Score	Score	Height
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Willcross RR2507NS	63.9	•	•	09/30	2.3	1.0	36
MorSoy RT 5429N	63.6	59.7	•	10/09	1.3	1.3	31
HBK R5529	61.4	•	•	10/11	3.0	1.0	33
Armor 53-Z5	61.2	51.1	58.8	10/06	1.3	1.0	33
Pioneer 95Y40	61.1	55.3	58.3	10/08	3.0	1.0	28
Armor ARX1536	60.9	•	•	10/05	3.3	1.0	37
Delta Grow 5275RR/STS2	60.9	•	•	10/06	2.7	1.0	39
Armor ARX1535	60.5	•	•	10/07	2.7	1.0	40
USG 75M49	60.5	56.6	•	10/06	2.3	1.0	35
Armor 55-A5	60.3	58.0	62.2	10/11	1.7	1.0	26
MPG 5407NRR	60.2	53.1	59.4	10/07	2.0	1.3	46
MPG 5308NRR	59.9	52.1	58.9	10/05	3.7	1.7	40
Terral-REVTM 54R21	59.8	•	•	10/05	1.3	1.7	36
Stine 5400-4	59.4	•	•	10/06	2.3	1.0	42
S06-4649	58.9	•	•	10/06	4.0	1.7	42
USG 75J10R	58.8	•	•	10/06	2.7	1.0	34
Delta King DKX1533	58.8	•	•	10/06	2.3	1.0	35
AgVenture AV50X6RR	58.8	49.2	56.8	10/02	2.7	1.0	44
USG 75T40	58.8	•	•	10/05	2.0	1.3	39
Syngenta S52-F2 Brand	58.7	54.7	58.7	10/10	3.7	1.0	40
USG 75J50R	58.6	•	•	10/07	1.7	1.0	32
Dyna-Gro 33B52	58.5	53.1	57.2	10/05	3.0	1.0	35
Dyna-Gro 37RY52	58.4	•	•	10/07	3.0	1.0	38
Schillinger 557.RC	58.3	56.4	61.9	10/08	1.7	1.3	38
Progeny 5210RY	58.2	•	•	10/06	2.3	1.0	38
Croplan RC5419	58.0	50.8	•	10/10	3.3	1.0	37
Willcross RR2544NS	57.6	52.8	•	10/05	1.7	1.0	42
Pioneer 95Y30	57.5	48.9	•	10/06	3.0	1.0	39
Progeny 5218RR	57.4	56.0	58.9	10/08	3.3	1.3	33
Delta King DKX1539	57.3	•	•	10/04	2.3	1.0	46
Dyna-Gro 33X55	57.0	55.2	56.0	10/11	1.3	1.0	40
AgVenture AV54X4RR	57.0	56.1	56.8	10/11	4.7	1.0	39
ASGROW AG5531	56.9	•	•	10/05	1.3	1.0	39
Pioneer 95Y01	56.8	54.7	•	10/02	2.0	2.3	43
USG 7553nRS	56.6	52.0	57.7	10/09	3.0	1.3	40

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ³	3-Year ⁴	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
		.....bu/A.....					
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
ASGROW AG5331	56.5	•	•	10/05	2.0	2.0	35
HBK RY5520	56.4	•	•	10/06	2.0	1.0	43
Terral-REVTM 54R10	56.4	55.8	•	10/06	4.0	1.7	43
S06-6053	56.3	•	•	10/06	3.0	2.0	39
Dyna-Gro 35P53	56.2	•	•	10/08	2.7	1.0	33
Syngenta S51-T8 Brand	56.1	•	•	10/05	2.0	1.3	42
Delta Grow 5300RR	56.0	52.3	60.7	10/07	2.7	1.3	36
Armor ARX1552	55.8	•	•	10/06	1.7	1.0	42
Terral TV52R79	55.7	55.7	58.8	10/07	1.7	1.0	31
Progeny 5310RY	55.7	•	•	10/03	2.7	1.0	42
Progeny 5330RR	55.7	•	•	10/05	2.3	2.3	39
Armor ARX1551	55.6	•	•	10/06	1.7	1.0	35
Willcross RR2547N	55.6	51.9	•	10/08	1.7	1.0	51
Delta King DKX1538	55.6	•	•	10/04	1.3	3.0	38
MorSoy RT 5388N	55.5	59.9	66.4	10/08	3.0	1.0	39
ASGROW AG5431	55.3	•	•	10/05	1.7	1.0	44
Progeny 5115RR	55.1	49.8	56.2	10/06	2.0	1.0	44
Terral-REVTM 55R21	55.1	•	•	10/12	2.0	1.3	38
MorSoy Xtra 54X10	55.0	•	•	10/06	1.3	1.0	41
Progeny 5110RY	55.0	•	•	10/03	1.0	1.3	36
Armor ARX1531	54.7	•	•	10/06	1.0	1.3	31
HBK R5226	54.6	56.3	57.5	10/07	2.3	1.0	35
MorSoy RT 5168	54.6	48.5	57.5	10/04	2.0	1.3	35
Armor ARX1532	54.5	•	•	10/03	1.0	1.0	34
Delta King DK5363	54.3	54.7	•	10/11	2.7	1.0	34
HBK RY5220	54.1	•	•	10/06	3.0	1.0	46
Delta King DKX1540	53.5	•	•	10/05	2.0	1.0	45
Delta King DKX1534	53.4	•	•	10/06	2.3	1.3	34
Delta King DKX1537	53.2	•	•	10/03	2.0	1.7	30
Delta Grow 5555RR	53.1	51.8	53.0	10/10	3.0	1.0	37
Dyna-Gro 35F55	52.9	50.3	52.6	10/12	4.3	1.0	45
USG 75M16	52.5	•	•	10/06	2.3	1.7	36
Delta Grow 5280RR	52.4	52.8	•	10/07	4.0	1.3	37

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ³	3-Year ⁴	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Terral TV55R20	52.3	51.4	•	10/10	3.3	1.3	38
Delta King GP-500	52.2	47.5	53.7	10/03	1.7	1.0	35
AGS 554RR	52.1	48.7	•	10/11	4.3	1.0	38
Terral TV55R15	51.9	53.3	56.2	10/11	3.0	1.0	41
Terral TV54R28	51.7	51.0	54.8	10/03	2.0	4.0	41
Eagle Seed ES5507	51.7	51.1	•	10/12	2.0	1.0	41
USG 75T18	51.4	•	•	10/04	2.3	1.3	32
HBK R5525	51.3	51.6	57.2	10/06	2.0	1.0	40
Delta King GP-533	51.1	49.5	54.5	10/06	1.3	1.0	34
MorSoy Xtra 52X10	49.7	•	•	10/05	1.0	2.3	29
Eagle Seed ES5190RR2	49.3	•	•	10/10	1.0	1.0	34
MorSoy R2 521	48.8	•	•	10/03	1.3	2.7	34
USG 75Z38	47.4	•	•	10/08	3.0	1.0	29
Pioneer 95Y20	46.0	•	•	09/20	3.7	3.0	42
Eagle Seed ES5390RR2	38.0	•	•	09/30	1.0	2.7	23
GRAND MEAN	55.8	•	•	10/06	2.4	1.3	38
LSD (5%)	6.0	•	•	3	1.3	0.7	•
C.V.	6.6	•	•	4	35.0	34.4	•

Maturity Group V Late (RM 5.6 to 5.9)

Syngenta S56-G6 Brand	61.1	•	•		3.3	1.3	39
Progeny 5622RR	59.9	58.1	60.8		3.7	1.0	37
Progeny 5610RY	59.3	•	•		2.0	1.7	40
Terral TV59R16	59.0	57.1	59.8		3.3	1.3	37
Croplan RC5663	58.7	57.0	62.8		5.0	1.3	38
Pioneer 95Y70	58.2	53.2	53.7		5.0	1.3	50
USG 75J90R	58.1	•	•		3.3	1.0	42
AGS 568RR	57.6	55.2	58.9		2.3	1.3	37
Progeny 5706RR	57.6	55.8	57.7		3.7	1.0	43
AGS 597	57.5	56.8	•		4.0	1.3	42

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2010, Continued.

Variety/Experimental Line	2-Year ³		3-Year ⁴	Maturity	Lodging	Shatter	Plant
	2010	Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>							
MorSoy RT 5688N	57.1	55.5	59.7		4.0	1.0	37
Terral-REVTM 56R21	56.8	•	•		3.3	1.3	44
Terral-REVTM 57R21	56.0	•	•		2.7	1.3	43
Dyna-Gro 33C59	55.7	56.6	60.0		4.3	1.0	37
USG 7582nRR	55.3	53.1	59.3		4.3	1.3	39
HBK RY5820	55.1	•	•		2.7	1.3	40
AGS 606RR	55.0	51.6	54.4		4.3	1.3	37
USG 75Z98	54.6	54.7	59.5		3.7	1.3	31
Progeny 5650RR	52.9	49.8	53.5		4.3	1.0	37
Delta Grow 5970RR	52.6	49.8	55.3		4.3	1.0	40
GRAND MEAN	56.9	•	•		3.7	1.2	40
LSD (5%)	8.2	•	•		1.2	0.8	•
C.V.	8.6	•	•		19.2	38.6	•

¹Average Yield for 2008 and 2010.²Average Yield for 2007, 2008, 2010.³Average Yield for 2009 and 2010.⁴Average Yield for 2008, 2009, 2010.

Soil Series	Calloway silt loam
Soil pH	7.2
Previous Crop	Soybean
Row Width	30 inches
Fertilizer Applied	0-0-100, 3/31
Planting Date	6/7
Herbicide Applications	Roundup™ + Parallel + Storm, 6/8; Roundup™ + Storm, 6/22
Insecticide Applications	Karate + Intrepid, 8/10
Irrigation Dates	6/23, 7/2, 7/31, 8/3, 8/13, 8/25, 9/17, 9/24
Harvest Dates	MG 4E 10/11; MG 4L 10/28; MG 5E 10/29; MG 5L 11/1

	Precipitation (inches)						Total
	April	May	June	July	August	September	
2010	3.4	7.8	1.3	2.6	0.6	0.8	16.5
Average	5.2	5.2	3.4	4.0	2.8	4.0	24.6
Departure	-1.8	2.6	-2.1	-1.4	-2.2	-3.2	-8.1

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
		.....bu/A.....					
<u>Maturity Group IV Early (RM 4.0 to 4.6)³</u>							
Progeny 4510RY	63.2	•	•	9/19	1.0	1.0	36
ASGROW AG4531	63.0	•	•	9/20	1.0	1.0	39
USG 74A69R	61.9	•	•	9/17	1.0	1.0	37
HBK RY4620	61.9	•	•	9/19	1.3	1.0	40
Delta King DKR4440	61.9	•	•	9/19	3.0	1.0	44
Syngenta S46-U6 Brand	61.2	66.3	65.4	9/20	1.0	1.0	45
ASGROW EXP944R2	60.0	•	•	9/11	1.7	1.0	37
MorSoy Xtra 46X29	59.0	•	•	9/19	1.0	1.0	39
ASGROW AG4630	58.9	•	•	9/20	1.0	1.0	36
Pioneer 94Y40	58.4	•	•	9/17	1.0	1.0	36
Willcross RY2460S	57.5	•	•	9/20	1.0	1.0	37
MPG 4611NRR/STS	57.5	•	•	9/19	1.0	1.0	35
Progeny 4209RY	57.4	•	•	9/20	1.3	1.0	36
Armor 42-M1	57.4	63.3	•	9/15	1.0	1.0	35
Delta Grow 4470RR/STS	57.2	•	•	9/14	1.0	1.0	31
MPG 4577NRR	56.7	•	•	9/14	1.0	1.0	40
Progeny 4610RY	56.5	•	•	9/21	1.0	1.0	39
Pioneer 94Y60	56.3	64.4	•	9/14	1.0	1.0	35
Dyna-Gro 35x43	56.1	•	•	9/15	1.3	1.0	37
Armor 46-N7	55.4	•	•	9/19	2.0	1.0	34
Dyna-Gro 34RY46	55.3	•	•	9/21	1.0	1.0	36
Progeny 4606RR	55.2	62.5	62.5	9/21	1.0	1.0	32
HBK R4527	54.2	61.6	63.1	9/14	3.0	1.0	41
ASGROW EXP946R2	54.1	•	•	9/15	1.0	1.0	36
Schillinger 458.RCS	53.8	61.7	•	9/17	1.0	1.0	35
Terral-REVTM 44R22	53.6	•	•	9/17	1.0	1.0	36
Dyna-Gro 36C44	53.3	61.2	•	9/15	1.0	1.0	37
Syngenta S44-D5 Brand	53.0	•	•	9/15	1.0	1.0	40
USG 74C69	52.1	•	•	9/16	2.0	1.0	49
Terral-REVTM 45R10	51.7	•	•	9/14	1.3	1.0	44
Progeny 4206RR	50.9	56.0	56.5	9/10	1.0	1.0	40
Progeny 3910RY	50.8	•	•	9/10	1.7	1.0	41

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
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.....bu/A.....

Maturity Group IV Early (RM 4.0 to 4.6) Continued³

AgVenture AV45X5RR	50.0	•	•	9/19	1.0	1.0	41
Terral TV46R15	49.3	56.1	55.1	9/14	2.3	1.0	39
VP Maxx 44X1RR	48.6	•	•	9/11	1.3	1.0	41
Progeny 3909RR	48.1	•	•	9/15	1.0	1.0	39
S07-15722	46.3	•	•	9/20	1.7	1.0	45
Schillinger 457.RCP	44.7	56.6	54.9	9/15	2.3	1.0	41
GRAND MEAN	55.3	•	•	9/17	1.3	1.0	38
LSD (5%)	6.1	•	•	2	0.5	•	•
C.V.	6.8	•	•	8	22.5	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

HBK RY4920	64.9	•	•	9/21	1.7	1.0	40
MorSoy R2S 481	64.7	•	•	9/21	1.0	1.0	39
Pioneer 94Y80	63.8	72.3	•	9/17	2.0	1.0	45
Pioneer 94Y70	63.8	70.8	71.8	9/17	1.0	1.0	40
MorSoy R2 496	63.8	•	•	9/21	1.3	1.0	37
Davis 147RRCNS	63.7	•	•	9/20	1.0	1.0	35
Progeny 4810RY	63.6	•	•	9/21	1.0	1.0	37
Willcross RY2481S	63.4	•	•	9/20	1.0	1.0	36
Willcross RR2477N	63.2	•	•	9/21	1.0	1.0	35
Davis 247RRS	63.2	•	•	9/19	1.0	1.0	39
Syngenta S48-C9 Brand	62.8	68.7	•	9/21	1.0	1.0	40
Pioneer 94Y91	62.7	68.4	•	9/21	1.7	1.0	39
Delta King DKX1491	62.5	•	•	9/22	1.0	1.0	41
Delta Grow 4880RR	62.4	•	•	9/21	2.3	1.0	36
Progeny 4807RR	62.4	68.9	71.7	9/21	1.0	1.0	42
MorSoy Xtra 48X00	61.9	•	•	9/19	1.0	1.0	35
USG 74A79R	61.4	•	•	9/21	1.0	1.0	36
MPG 4707NRR/STS	61.4	•	•	9/21	1.0	1.0	35
Dyna-Gro 37RY47	61.4	•	•	9/19	1.0	1.0	37
Progeny 4920RY	61.2	•	•	9/20	1.0	1.0	31

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2-Year ¹		3-Year ²	Maturity	Lodging	Shatter	Plant
	2010	Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Schillinger 495.RC	60.8	67.6	68.3	9/25	3.0	1.0	43
Armor 47-R33	60.6	70.2	•	9/21	1.0	1.0	39
Delta King DKR4744	60.6	•	•	9/21	1.0	1.0	37
Terral-REVTM 47R22	60.3	•	•	9/22	1.3	1.0	43
MorSoy Xtra 49X10	60.2	•	•	9/21	1.0	1.0	39
MorSoy Xtra 47X10	59.9	•	•	9/20	1.0	1.0	39
Syngenta S47-R3 Brand	59.8	•	•	9/20	1.3	1.0	42
Armor ARX1471	59.2	•	•	9/15	1.0	1.0	32
AgVenture AV48A8RR	59.2	•	•	9/17	1.3	1.0	38
Armor 47-G10	58.8	64.5	•	9/21	1.3	1.0	42
HBK R4829	58.6	•	•	9/23	1.3	1.0	35
Progeny 4750RR	58.6	•	•	9/21	1.7	1.0	35
Terral-REVTM 48R22	58.4	•	•	9/17	1.0	1.0	36
ASGROW AG4730	58.4	•	•	9/21	1.0	1.0	37
Terral-REVTM 49R11	58.4	63.4	•	9/15	1.0	1.0	38
Eagle Seed ES4998	58.2	•	•	9/21	1.0	1.0	40
Eagle Seed ES4777	58.0	64.0	66.7	9/22	1.0	1.0	37
Davis 149RRCNS	58.0	•	•	9/21	1.0	1.0	42
Dyna-Gro 37P49	58.0	69.8	71.8	9/22	1.0	1.0	33
Armor ARX1481	57.8	•	•	9/21	1.0	1.0	38
Delta Grow 4770RR	57.7	66.6	69.7	9/19	1.0	1.0	43
Terral-REVTM 48R10	57.7	67.9	•	9/19	1.0	1.0	37
Eagle Seed ES4818	57.5	•	•	9/20	2.0	1.0	47
MorSoy RT 4707N	57.5	66.8	68.4	9/20	1.0	1.0	40
Progeny 4906RR	57.3	71.1	70.9	9/21	1.0	1.0	39
USG 74A91	57.2	70.1	71.0	9/20	1.0	1.0	38
Armor ARX1477	57.2	•	•	9/21	1.0	1.0	35
MorSoy RTS 4706N	57.1	65.3	68.5	9/22	1.0	1.0	32
ASGROW EXP948R2	57.0	•	•	9/18	1.0	1.0	36
USG 74E88	57.0	61.9	•	9/16	1.0	1.0	40
Armor 47-F8	56.8	67.0	66.6	9/22	1.0	1.0	35
HBK R4924	56.8	61.7	63.7	9/22	2.0	1.0	46

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Delta King DKX1473	56.7	•	•	9/15	1.0	1.0	36
Willcross RR2470NS	56.5	60.6	•	9/15	1.0	1.0	39
Terral-REVTM 49R10	56.4	66.0	•	9/21	3.0	1.0	44
Terral-REVTM 49R22	56.2	•	•	9/20	1.3	1.0	36
Delta Grow 4975RR	56.2	70.2	73.0	9/21	1.0	1.0	44
Terral-REVTM 48R21	55.8	•	•	9/21	1.0	1.0	40
Dyna-Gro 33G48	55.7	•	•	9/21	2.0	1.0	42
Schillinger 4990.RC	55.6	63.2	•	9/22	1.3	1.0	40
Dyna-Gro 35RY47	55.2	•	•	9/13	1.0	1.0	42
Willcross RR2490NS	55.0	62.4	•	9/22	1.0	1.0	39
Pioneer 94Y71	54.9	•	•	9/20	1.0	1.0	40
Pioneer 94Y92	54.9	•	•	9/18	1.0	1.0	40
MorSoy RTS 4824	54.8	67.2	•	9/21	1.0	1.0	35
Willcross RR2498NS	54.7	67.6	•	9/25	2.0	1.0	39
VP Maxx 49C9RR	54.6	•	•	9/21	1.0	1.0	36
Delta Grow 4970RR	54.5	65.7	68.6	9/26	3.0	1.0	41
Syngenta S49-A5 Brand	54.0	•	•	9/21	1.0	1.0	39
Delta King DK4968	53.9	65.6	67.5	9/21	2.0	1.0	36
Progeny 4908RR	53.8	69.0	70.6	9/21	1.0	1.0	41
HBK R4729	53.8	66.7	•	9/21	1.7	1.0	38
MorSoy Xtra 51X10	53.6	•	•	9/21	1.0	1.0	22
S06-3095	53.0	63.4	•	9/23	1.3	1.0	35
Terral TV49R17	53.0	•	•	9/21	1.0	1.0	47
USG 74F96	52.7	66.4	67.9	9/23	2.0	1.0	41
MorSoy RT 4914N	52.4	64.0	68.0	9/26	2.3	1.0	41
Willcross RR2878NS	52.3	57.0	•	9/14	1.0	1.0	37
Progeny 4949RR	52.2	62.7	64.0	9/23	1.7	1.0	39
Schillinger 478.RCS	50.9	62.5	66.3	9/22	1.0	1.0	38
Dyna-Gro 36Y48	49.3	66.4	69.3	9/22	1.3	1.0	41
USG 7495nRS	48.6	64.0	67.0	9/24	1.7	1.0	40
MorSoy RTS 4955N	47.9	63.5	65.8	9/23	1.3	1.0	44
GRAND MEAN	57.8	•	•	9/20	1.3	1.0	39
LSD (5%)	6.1	•	•	3	0.5	•	•
C.V.	6.6	•	•	10	23.3	•	•

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
USG 75J10R	67.2	•	•	09/22	2.0	1.3	34
Pioneer 95Y01	65.7	67.8	•	09/22	2.7	2.0	38
Willcross RR2547N	64.0	62.5	•	10/01	2.0	1.0	42
Delta Grow 5275RR/STS2	63.2	•	•	09/24	1.3	1.0	25
Dyna-Gro 35P53	63.1	•	•	09/29	2.7	1.0	36
AgVenture AV50X6RR	62.9	67.7	69.8	09/25	2.7	2.0	43
Progeny 5310RY	61.2	•	•	09/26	3.0	1.3	41
Delta King DK5363	61.0	65.6	•	10/04	2.3	1.3	36
Dyna-Gro 37RY52	60.5	•	•	09/23	1.0	1.0	34
MorSoy RT 5429N	59.1	69.4	•	10/01	1.0	1.0	31
Progeny 5210RY	59.1	•	•	09/23	1.3	1.0	21
ASGROW AG5531	58.8	•	•	09/24	2.0	1.3	47
MorSoy Xtra 52X10	58.8	•	•	09/24	1.3	2.0	27
HBK R5529	58.7	•	•	09/27	1.0	1.3	28
Dyna-Gro 35F55	58.7	64.7	64.9	10/04	3.0	1.0	26
Delta King GP-533	58.6	67.3	66.6	09/27	2.0	1.0	31
MPG 5407NRR	58.5	60.6	64.3	10/01	1.7	1.0	37
Terral TV55R20	58.4	64.5	•	10/02	2.7	1.0	32
ASGROW AG5431	58.3	•	•	09/24	1.7	1.3	48
HBK RY5220	58.3	•	•	09/23	1.0	1.0	31
Delta King DKX1533	58.3	•	•	09/23	1.0	1.3	34
S06-4649	58.2	•	•	09/24	2.3	2.0	37
Armor 55-A5	57.1	66.3	67.1	10/04	1.0	1.0	28
Delta King DKX1538	57.0	•	•	09/24	1.3	2.3	23
Armor ARX1535	56.9	•	•	09/24	1.0	1.0	25
AGS 554RR	56.7	63.9	•	10/04	1.0	1.3	30
HBK RY5520	56.6	•	•	09/23	1.7	1.7	44
Delta King DKX1534	56.5	•	•	09/24	1.0	1.3	33
Pioneer 95Y30	56.3	64.7	•	09/26	1.0	1.0	26
Croplan RC5419	56.3	63.5	•	10/01	2.7	1.3	37
Delta Grow 5555RR	56.3	67.5	67.5	10/04	2.7	1.0	31
Pioneer 95Y20	55.9	•	•	09/15	2.7	2.0	37
Terral TV55R15	55.8	64.9	63.7	10/03	2.0	1.0	32
Armor 53-Z5	55.6	63.5	64.0	09/28	1.0	1.0	21
Delta King DKX1540	55.6	•	•	09/26	3.0	1.0	43

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity Date	Lodging Score	Shatter Score	Plant Height
		Average	Average				
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
USG 75M16	55.6	•	•	09/25	1.3	3.0	23
Stine 5400-4	55.3	•	•	09/27	2.3	1.3	38
MPG 5308NRR	54.9	66.2	63.7	09/25	1.0	2.0	32
MorSoy RT 5388N	54.8	59.4	60.5	09/25	1.0	1.0	28
Delta King GP-500	54.6	65.6	68.6	09/23	1.0	1.0	36
Progeny 5330RR	54.5	•	•	09/25	1.0	2.0	32
Armor ARX1531	54.5	•	•	09/24	1.0	1.3	19
Delta King DKX1539	54.4	•	•	09/26	2.7	1.0	48
Armor ARX1536	54.4	•	•	09/23	1.0	1.0	30
USG 75Z38	54.1	•	•	10/04	1.3	1.7	26
HBK R5226	53.9	61.7	61.7	10/03	1.0	1.3	24
Delta King DKX1537	53.8	•	•	09/24	1.3	1.3	29
MorSoy Xtra 54X10	53.8	•	•	09/25	2.0	1.3	47
Willcross RR2507NS	53.7	•	•	09/27	2.7	1.3	39
MorSoy RT 5168	53.6	61.0	63.6	09/25	2.0	2.0	38
Armor ARX1552	53.0	•	•	09/25	2.0	1.7	46
Eagle Seed ES5190RR2	52.9	•	•	09/27	1.0	1.3	19
Terral TV52R79	52.6	59.6	61.2	09/29	1.0	1.7	23
Dyna-Gro 33X55	52.5	64.4	64.3	09/29	1.0	2.3	33
Delta Grow 5280RR	52.5	62.5	•	10/04	1.0	1.7	29
USG 7553nRS	52.4	61.4	64.5	10/01	1.0	1.0	29
Terral-REVTM 55R21	52.4	•	•	10/04	1.0	1.0	29
Dyna-Gro 33B52	52.4	62.9	66.3	09/25	1.7	2.0	29
AgVenture AV54X4RR	52.2	59.6	60.6	10/04	1.0	1.7	26
Terral TV54R28	52.2	63.0	64.2	09/27	1.0	1.7	36
Schillinger 557.RC	52.1	57.9	59.8	09/28	1.0	2.0	24
Syngenta S52-F2 Brand	52.0	59.6	60.6	09/29	1.0	1.0	30
USG 75M49	52.0	66.4	•	09/26	1.0	2.0	31
Pioneer 95Y40	51.6	65.7	69.5	09/24	1.3	1.7	27
Progeny 5110RY	51.3	•	•	09/25	1.0	1.7	22
Armor ARX1551	51.2	•	•	09/24	2.0	1.0	36
Progeny 5115RR	50.9	62.4	63.2	09/25	2.7	2.0	47
MorSoy R2 521	50.9	•	•	09/25	1.3	2.3	27

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
		Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Progeny 5218RR	50.7	60.4	60.5	10/04	1.3	1.7	24
ASGROW AG5331	50.4	•	•	09/24	1.0	2.3	27
Terral-REVTM 54R21	50.0	•	•	09/24	1.0	2.7	32
USG 75T18	49.8	•	•	09/23	1.0	2.0	24
HBK R5525	49.7	61.7	62.6	10/02	1.0	1.0	26
Eagle Seed ES5507	49.4	58.9	•	10/02	1.3	1.0	29
USG 75J50R	49.3	•	•	09/25	1.7	1.3	45
S06-6053	49.1	•	•	09/23	1.3	3.7	36
Willcross RR2544NS	48.1	60.9	•	09/25	1.0	1.3	22
Armor ARX1532	48.0	•	•	09/24	1.0	1.3	23
Terral-REVTM 54R10	47.3	60.9	•	09/28	1.7	2.3	30
Eagle Seed ES5390RR2	44.8	•	•	09/20	1.0	2.7	21
USG 75T40	43.6	•	•	09/26	1.0	2.0	25
Syngenta S51-T8 Brand	43.6	•	•	09/29	2.3	1.7	44
Delta Grow 5300RR	37.6	55.9	60.3	09/27	1.0	3.7	25
GRAND MEAN	54.5	•	•	09/27	1.5	1.5	32
LSD (5%)	7.9	•	•	3	0.6	0.8	•
C.V.	8.9	•	•	7	25.1	32.8	•

Maturity Group V Late (RM 5.6 to 5.9)

Progeny 5650RR	61.0	65.9	67.4	10/07	2.3	1.0	32
Syngenta S56-G6 Brand	56.5	•	•	10/04	1.0	1.0	28
USG 75Z98	56.5	66.9	67.5	10/04	2.3	1.0	35
Pioneer 95Y70	56.4	63.4	61.7	10/04	3.3	1.0	30
AGS 606RR	56.3	61.6	61.8	10/05	1.0	1.0	26
Dyna-Gro 33C59	56.3	69.7	68.5	10/04	1.7	1.3	27
Terral-REVTM 56R21	56.0	•	•	10/04	1.0	1.0	31
HBK RY5820	55.5	•	•	10/04	1.0	1.0	30
Terral-REVTM 57R21	54.8	•	•	10/04	1.7	1.0	35
AGS 597	54.7	64.4	•	10/07	3.0	1.0	28

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2010, Continued.

Variety/Experimental Line	2-Year ¹		3-Year ²	Maturity	Lodging	Shatter	Plant
	2010	Average	Average	Date	Score	Score	Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>							
Progeny 5610RY	54.5	•	•	10/04	1.3	1.0	29
USG 75J90R	54.2	•	•	10/04	1.0	1.0	28
MorSoy RT 5688N	54.2	65.8	65.6	10/01	2.0	1.0	28
Terral TV59R16	54.2	66.4	66.8	10/04	2.0	1.0	32
Delta Grow 5970RR	53.7	63.3	63.7	10/01	1.3	1.0	33
AGS 568RR	52.6	63.2	61.4	10/04	1.0	1.0	33
Progeny 5706RR	52.1	63.2	62.5	10/05	1.3	1.0	30
USG 7582nRR	52.0	63.2	62.7	10/05	1.7	1.0	29
Croplan RC5663	51.0	62.3	63.2	10/04	2.3	1.0	25
Progeny 5622RR	46.4	59.0	59.7	10/11	2.0	1.0	31
GRAND MEAN	54.4	•	•	10/05	1.7	1.0	30
LSD (5%)	7.4	•	•	5	0.7	0.2	•
C.V.	8.3	•	•	9	25.8	12.7	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.³For MG 4 Early Test, 2-Year average taken from 2008 and 2010 and 3-Year average taken from 2007, 2008, and 2010.

Soil Series	Crowley silt Loam
Soil pH	6.1
Previous Crop	Rice
Row Width	30 inches
Fertilizer Applied	0-100-120, 5/11
Planting Date	5/25
Herbicide Applications	Roundup™ + FlexStar, 5/26; Poast Plus + Pursuit, 6/10; FlexStar, 6/24; Roundup™ + FlexStar, 8/24
Insecticide Applications	Mustang Max, 8/21; Intrepid + Sniper, 9/31
Irrigation Dates	6/15, 6/26, 7/9, 7/22, 8/3, 8/24, 9/1, 9/15, 9/21
Harvest Dates	MG 4L 10/5; MG 4L, 10/5; MG 5E, 10/22, MG 5L, 10/22

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2010	3.5	4.3	1.1	1.3	3.2	0.6	13.8
Average	5.6	4.7	3.6	3.4	2.8	4.1	24.2
Departure	-2.1	-0.4	-2.5	-2.2	0.4	-3.5	-10.4

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Pioneer 94Y60	59.8	51.2	50.2	9/09	1.0	1.0	30
Progeny 4206RR	56.0	53.0	50.0	9/08	1.0	1.0	38
Terral-REVTM 44R22	55.9	•	•	9/16	1.0	1.0	34
VP Maxx 44X1RR	55.1	47.7	•	9/08	1.0	1.0	38
Schillinger 458.RCS	55.1	53.5	53.2	9/14	1.0	1.0	34
Syngenta S46-U6 Brand	54.9	48.9	48.5	9/17	1.0	1.0	43
Progeny 4606RR	54.4	52.4	54.1	9/17	1.0	1.0	39
Syngenta S44-D5 Brand	53.7	•	•	9/14	1.0	1.0	34
USG 74C69	52.8	50.1	•	9/14	2.0	1.0	43
Dyna-Gro 36C44	52.7	49.3	44.4	9/10	1.0	1.0	32
HBK RY4620	52.6	•	•	9/16	1.0	1.0	35
Schillinger 457.RCP	51.4	45.9	47.9	9/13	1.0	1.0	40
AgVenture AV45X5RR	51.3	48.7	•	9/16	1.0	1.0	41
Progeny 4209RY	51.3	•	•	9/14	1.0	1.0	35
ASGROW EXP946R2	51.0	•	•	9/10	1.0	1.0	35
Progeny 3910RY	50.6	•	•	9/08	1.0	1.0	39
Dyna-Gro 35x43	50.5	•	•	9/12	1.0	1.0	34
MPG 4611NRR/STS	50.5	•	•	9/16	1.0	1.0	38
Delta Grow 4470RR/STS	50.3	43.0	•	9/11	1.0	1.0	29
Armor 42-M1	49.9	45.4	42.9	9/10	1.0	1.0	34
ASGROW AG4630	49.7	•	•	9/14	1.0	1.0	41
Pioneer 94Y40	49.7	•	•	9/10	1.0	1.0	32
Willcross RY2460S	49.4	•	•	9/15	1.0	1.0	40
Dyna-Gro 34RY46	48.9	•	•	9/17	1.0	1.0	34
Progeny 4510RY	48.4	•	•	9/16	1.0	1.0	38
ASGROW AG4531	48.1	•	•	9/15	1.0	1.0	40
MorSoy Xtra 46X29	47.5	•	•	9/16	1.0	1.0	40
MPG 4577NRR	47.2	•	•	9/11	1.0	1.0	35
Progeny 3909RR	47.0	•	•	9/14	1.0	1.0	31
HBK R4527	47.0	47.1	47.1	9/10	1.0	1.0	43
ASGROW EXP944R2	46.8	•	•	9/08	1.0	1.0	37
Delta King DKR4440	46.4	•	•	9/14	1.0	1.0	41

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>							
USG 74A69R	45.2	•	•	9/14	1.0	1.0	39
Terral TV46R15	44.7	45.2	45.2	9/09	2.0	1.0	44
Progeny 4610RY	44.6	•	•	9/17	1.0	1.0	39
S07-15722	43.5	•	•	9/16	1.0	1.0	47
Terral-REVTM 45R10	42.7	40.6	•	9/10	1.0	1.0	40
Armor 46-N7	40.5	38.4	•	9/14	1.0	1.0	34
GRAND MEAN	49.9	•	•	9/12	1.1	1.0	37
LSD (5%)	8.2	•	•	2	•	•	•
C.V.	10.1	•	•	7	•	•	•
<u>Maturity Group IV Late (RM 4.0 to 4.6)³</u>							
Progeny 4750RR	64.7	•	•	9/18	1.0	1.0	35
Dyna-Gro 33G48	63.0	•	•	9/22	1.0	1.0	38
Terral-REVTM 48R22	62.5	•	•	9/14	1.0	1.0	37
Delta Grow 4880RR	61.9	•	•	9/18	1.0	1.0	39
MPG 4707NRR/STS	60.8	•	•	9/21	1.0	1.0	36
MorSoy RTS 4824	60.3	•	•	9/20	1.0	1.0	43
MorSoy Xtra 51X10	60.2	•	•	9/21	1.0	1.0	42
Davis 149RRCNS	59.7	•	•	9/18	1.0	1.0	40
Schillinger 4990.RC	59.5	•	•	9/20	1.0	1.0	41
Schillinger 495.RC	58.8	53.8	57.6	9/23	1.0	1.0	40
Terral-REVTM 47R22	58.2	•	•	9/16	1.0	1.0	41
Eagle Seed ES4998	58.0	•	•	9/17	1.0	1.0	41
MorSoy R2 496	57.7	•	•	9/20	1.0	1.0	48
MorSoy RT 4914N	57.6	56.7	58.1	9/23	1.7	1.0	40
Syngenta S47-R3 Brand	57.4	•	•	9/22	1.0	1.0	31
Terral-REVTM 49R11	57.2	•	•	9/10	1.0	1.0	36
Willcross RR2490NS	57.2	•	•	9/22	1.0	1.0	31
MorSoy Xtra 49X10	57.1	•	•	9/23	1.0	1.0	39
MorSoy RT 4707N	57.1	50.0	55.2	9/17	1.0	1.0	38
HBK R4829	56.5	•	•	9/19	1.0	1.0	38
Progeny 4949RR	56.3	55.3	59.5	9/22	1.0	1.0	38

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued³</u>							
Pioneer 94Y70	56.3	53.2	•	9/12	1.0	1.0	40
Eagle Seed ES4777	56.2	56.0	55.2	9/21	1.0	1.0	39
S06-3095	56.1	•	•	9/20	1.0	1.0	32
Pioneer 94Y71	55.4	•	•	9/17	1.0	1.0	36
Delta Grow 4975RR	55.2	55.2	58.0	9/21	1.3	1.0	42
Armor 47-F8	55.0	55.2	54.6	9/19	1.0	1.0	34
HBK RY4920	54.8	•	•	9/21	1.0	1.0	39
Delta Grow 4970RR	54.7	54.6	58.5	9/23	1.0	1.0	42
Davis 147RRCNS	54.5	•	•	9/20	1.0	1.0	34
HBK R4924	54.4	55.3	57.8	9/23	1.7	1.0	45
Davis 247RRS	53.9	•	•	9/17	1.0	1.0	41
MorSoy RTS 4706N	53.8	53.1	54.5	9/20	1.0	1.0	32
VP Maxx 49C9RR	53.7	•	•	9/19	1.0	1.0	40
Armor 47-R33	53.4	•	•	9/20	1.0	1.0	39
ASGROW EXP948R2	53.4	•	•	9/17	1.0	1.0	39
Willcross RY2481S	53.2	•	•	9/16	1.0	1.0	40
ASGROW AG4730	53.2	•	•	9/19	1.0	1.0	40
Delta Grow 4770RR	53.2	53.3	53.4	9/11	1.0	1.0	38
AgVenture AV48A8RR	53.1	•	•	9/16	1.0	1.0	36
Dyna-Gro 37P49	53.0	52.6	56.9	9/20	1.0	1.0	44
Pioneer 94Y80	52.6	•	•	9/15	1.3	1.0	35
Terral-REVTM 48R21	52.5	•	•	9/22	1.0	1.0	41
Syngenta S48-C9 Brand	52.5	•	•	9/23	1.0	1.0	40
Pioneer 94Y91	52.4	•	•	9/23	1.0	1.0	39
USG 74A79R	52.4	•	•	9/18	1.0	1.0	40
Delta King DKR4744	52.4	•	•	9/18	1.0	1.0	40
Progeny 4920RY	52.2	•	•	9/20	1.0	1.0	39
Delta King DK4968	52.1	56.5	61.5	9/22	1.0	1.0	42
MorSoy Xtra 48X00	52.0	•	•	9/17	1.0	1.0	39
Progeny 4908RR	52.0	48.8	•	9/19	1.0	1.0	35
Pioneer 94Y92	52.0	•	•	9/18	1.0	1.0	42
Armor 47-G10	51.9	•	•	9/18	1.0	1.0	38

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group IV Late (RM 4.7 to 4.9) Continued ³							
USG 74E88	51.8	•	•	9/12	1.0	1.0	39
Schillinger 478.RCS	51.8	51.6	•	9/23	1.0	1.0	34
Terral-REVTM 48R10	51.6	•	•	9/17	1.0	1.0	37
MorSoy Xtra 47X10	51.5	•	•	9/18	1.0	1.0	36
Dyna-Gro 37RY47	51.1	•	•	9/16	1.0	1.0	39
USG 74A91	51.0	55.1	55.1	9/20	1.0	1.0	44
Terral-REVTM 49R10	50.9	•	•	9/17	1.3	1.0	47
Armor ARX1481	50.5	•	•	9/17	1.0	1.0	40
Progeny 4906RR	49.7	53.2	60.3	9/21	1.0	1.0	40
Progeny 4810RY	49.7	•	•	9/18	1.0	1.0	40
USG 7495nRS	49.6	50.3	50.3	9/23	1.0	1.0	40
USG 74F96	49.5	51.7	51.7	9/23	1.0	1.0	26
Terral TV49R17	49.4	•	•	9/19	1.3	1.0	49
MorSoy R2S 481	49.4	•	•	9/17	1.0	1.0	35
Willcross RR2878NS	49.2	•	•	9/14	1.0	1.0	41
Eagle Seed ES4818	49.1	•	•	9/23	1.0	1.0	42
Willcross RR2470NS	49.0	•	•	9/10	1.0	1.0	41
Syngenta S49-A5 Brand	48.3	•	•	9/17	1.0	1.0	39
Willcross RR2477N	48.2	•	•	9/22	1.0	1.0	34
Armor ARX1471	48.1	•	•	9/10	1.0	1.0	39
Progeny 4807RR	48.0	46.3	51.3	9/18	1.0	1.0	36
HBK R4729	47.9	•	•	9/15	1.0	1.0	34
Delta King DKX1491	47.9	•	•	9/21	1.0	1.0	39
MorSoy RTS 4955N	47.9	48.1	54.4	9/23	1.0	1.0	40
Terral-REVTM 49R22	47.5	•	•	9/21	1.0	1.0	39
Dyna-Gro 36Y48	47.4	49.5	55.6	9/23	1.0	1.0	42
Willcross RR2498NS	46.9	•	•	9/23	1.0	1.0	40
Delta King DKX1473	46.3	•	•	9/14	1.0	1.0	41
Dyna-Gro 35RY47	45.6	•	•	9/13	1.0	1.0	43
Armor ARX1477	45.2	•	•	9/17	1.0	1.0	39
GRAND MEAN	53.3	•	•	9/19	1.0	1.0	39
LSD (5%)	7.2	•	•	2	0.3	•	•
C.V.	8.4	•	•	8	15.1	•	•

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
HBK R5529	61.2	•	•	09/29	1.0	1.0	27
AGS 554RR	60.2	63.0	•	10/02	1.0	1.0	28
Armor 55-A5	60.1	64.4	60.5	10/02	1.0	1.0	24
MorSoy RT 5429N	59.1	64.9	•	09/27	1.0	1.0	30
Dyna-Gro 35F55	58.9	61.3	56.6	09/30	1.0	1.0	31
HBK R5525	58.1	62.2	57.8	09/30	1.0	1.0	25
Progeny 5218RR	58.0	60.4	60.0	09/29	1.0	1.0	33
AgVenture AV54X4RR	57.8	61.0	57.5	10/01	1.0	1.0	34
HBK RY5520	57.4	•	•	09/25	1.3	1.0	44
Progeny 5110RY	56.9	•	•	09/17	1.0	1.0	27
Pioneer 95Y40	56.7	60.6	61.9	09/24	1.0	1.0	28
MorSoy Xtra 54X10	55.9	•	•	09/25	1.0	1.0	44
Armor ARX1531	55.8	•	•	09/21	1.0	1.0	20
USG 75Z38	55.7	•	•	09/29	1.0	1.0	25
HBK R5226	55.2	62.1	59.7	09/29	1.0	1.0	25
ASGROW AG5531	55.2	•	•	09/23	1.0	1.0	40
MorSoy RT 5388N	54.7	58.8	57.1	09/27	1.0	1.0	24
Delta King GP-500	54.7	55.9	54.3	09/20	1.0	1.0	33
Dyna-Gro 33B52	54.4	56.9	54.0	09/25	1.0	1.0	24
Syngenta S52-F2 Brand	54.3	59.2	56.4	09/30	1.0	1.0	21
Terral-REVTM 54R21	54.1	•	•	09/21	1.0	1.0	26
Delta Grow 5275RR/STS2	53.8	•	•	09/27	1.0	1.0	23
Armor 53-Z5	53.6	58.3	58.3	09/27	1.0	1.0	20
MPG 5407NRR	53.2	53.6	49.8	09/25	1.0	1.0	42
Armor ARX1551	52.7	•	•	09/24	1.3	1.0	47
Terral TV54R28	52.6	53.4	53.2	09/24	1.0	1.0	31
Terral TV55R20	52.5	58.3	•	09/27	1.0	1.0	27
Dyna-Gro 33X55	52.2	57.4	55.5	09/29	1.0	1.0	25
Terral TV55R15	52.2	58.8	55.3	09/29	1.0	1.0	36
MPG 5308NRR	52.2	59.0	57.9	09/22	1.0	1.0	30
Croplan RC5419	52.2	59.4	•	10/01	1.0	1.0	34
ASGROW AG5431	52.1	•	•	09/23	1.3	1.0	42
Armor ARX1536	51.9	•	•	09/27	1.0	1.0	34
S06-4649	51.9	•	•	09/23	1.0	1.0	36

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Delta King GP-533	51.7	55.1	51.3	09/24	1.0	1.0	26
USG 75J50R	51.6	•	•	09/24	1.0	1.0	36
Pioneer 95Y30	51.6	54.7	•	09/25	1.0	1.0	26
Willcross RR2547N	51.5	55.2	•	09/25	1.0	1.0	33
Delta King DKX1539	51.5	•	•	09/23	2.0	1.0	45
Willcross RR2544NS	51.1	57.9	•	09/23	1.0	1.0	21
USG 75T40	51.1	•	•	09/28	1.0	1.0	24
Delta Grow 5280RR	51.1	55.6	•	09/29	1.0	1.0	25
Schillinger 557.RC	51.0	53.1	50.2	09/28	1.0	1.0	24
Willcross RR2507NS	50.9	•	•	09/26	1.0	1.0	36
Progeny 5330RR	50.9	•	•	09/25	1.0	1.0	30
Dyna-Gro 37RY52	50.8	•	•	09/26	1.0	1.0	29
Armor ARX1552	50.3	•	•	09/24	1.0	1.0	36
Delta Grow 5555RR	50.1	54.9	52.1	10/01	1.0	1.0	34
Terral-REVTM 54R10	50.1	57.4	•	09/24	1.0	1.0	33
Progeny 5210RY	50.0	•	•	09/24	1.0	1.0	36
Delta King DKX1533	49.7	•	•	09/21	1.0	1.0	37
Terral TV52R79	49.7	50.4	50.2	09/30	1.0	1.0	28
Progeny 5310RY	49.4	•	•	09/23	1.0	1.0	42
Delta King DKX1540	49.1	•	•	09/24	1.7	1.0	43
Armor ARX1532	49.0	•	•	09/20	1.0	1.0	27
Eagle Seed ES5190RR2	48.8	•	•	09/27	1.0	1.0	24
Syngenta S51-T8 Brand	48.7	•	•	09/24	1.0	1.0	42
Delta Grow 5300RR	48.6	51.5	49.1	09/24	1.0	1.0	27
Armor ARX1535	48.5	•	•	09/24	1.0	1.0	36
Eagle Seed ES5507	48.2	50.4	•	09/30	1.0	1.0	32
Delta King DKX1534	48.0	•	•	09/20	1.0	1.0	30
USG 7553nRS	48.0	55.7	53.7	09/28	1.0	1.0	27
Stine 5400-4	48.0	•	•	09/26	1.7	1.0	40
Dyna-Gro 35P53	47.6	•	•	09/28	1.0	1.0	33
Pioneer 95Y01	47.5	49.4	•	09/20	1.0	1.3	39
HBK RY5220	47.3	•	•	09/21	1.0	1.0	23
USG 75J10R	46.8	•	•	09/21	1.0	1.0	34
Delta King DK5363	46.8	52.6	•	09/29	1.0	1.0	32

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
AgVenture AV50X6RR	46.1	49.2	50.0	09/20	1.0	1.0	40
Delta King DKX1537	45.2	•	•	09/23	1.0	1.0	30
S06-6053	45.2	•	•	09/23	1.0	1.0	33
MorSoy Xtra 52X10	43.3	•	•	09/23	1.0	1.0	32
MorSoy R2 521	43.0	•	•	09/23	1.0	1.0	30
Terral-REVTM 55R21	42.9	•	•	10/01	1.0	1.0	25
MorSoy RT 5168	42.8	45.9	45.2	09/22	1.0	1.0	36
USG 75T18	42.7	•	•	09/20	1.0	1.0	25
USG 75M16	40.7	•	•	09/21	1.0	1.0	26
Progeny 5115RR	40.7	49.0	48.3	09/25	1.0	1.0	35
Delta King DKX1538	40.6	•	•	09/23	1.0	1.0	26
Pioneer 95Y20	39.4	•	•	09/10	1.0	1.7	36
USG 75M49	38.5	41.6	•	09/28	1.0	1.0	27
ASGROW AG5331	38.3	•	•	09/21	1.0	1.0	24
Eagle Seed ES5390RR2	35.6	•	•	09/17	1.0	1.7	15
GRAND MEAN	50.4	•	•	09/25	1.0	1.0	31
LSD (5%)	8.2	•	•	2	0.2	0.2	•
C.V.	10.0	•	•	6	13.7	10.7	•

Maturity Group V Late (RM 5.6 to 5.9)

USG 75J90R	60.9	•	•	09/25	1.0	1.0	28
Dyna-Gro 33C59	59.8	63.8	59.9	10/01	1.0	1.0	29
Terral-REVTM 57R21	57.9	•	•	09/26	1.0	1.0	35
HBK RY5820	57.7	•	•	09/25	1.0	1.0	31
Pioneer 95Y70	57.7	61.5	55.7	10/02	1.0	1.0	40
Terral-REVTM 56R21	57.4	•	•	09/24	1.0	1.0	30
Syngenta S56-G6 Brand	57.0	•	•	09/30	1.0	1.0	29
USG 75Z98	56.5	62.9	57.7	10/03	1.0	1.0	27
Delta Grow 5970RR	56.3	56.8	52.9	10/03	1.0	1.0	32
MorSoy RT 5688N	55.3	63.6	60.8	10/03	1.0	1.0	30

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2010, Continued.

Variety/Experimental Line	2010	2-Year ¹	3-Year ²	Maturity	Lodging	Shatter	Plant
	Average		Average	Date	Score	Score	Height
	.....bu/A.....						
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>							
Terral TV59R16	54.7	62.8	59.0	10/01	1.0	1.0	28
Progeny 5610RY	53.8	•	•	09/25	1.0	1.0	33
AGS 568RR	52.7	57.7	53.7	10/01	1.0	1.0	25
Croplan RC5663	52.6	59.4	56.9	09/26	1.0	1.0	24
AGS 606RR	52.1	58.1	53.8	10/04	1.0	1.0	27
Progeny 5706RR	51.9	59.1	56.7	10/01	1.0	1.0	37
Progeny 5622RR	50.5	54.0	52.1	10/01	1.0	1.0	35
AGS 597	50.3	61.1	•	10/04	1.0	1.0	29
Progeny 5650RR	50.3	57.1	54.2	09/30	1.0	1.0	35
USG 7582nRR	46.4	50.1	47.3	10/03	1.0	1.0	31
GRAND MEAN	54.6	•	•	09/30	1.0	1.0	31
LSD (5%)	6.9	•	•	2	•	•	•
C.V.	7.6	•	•	4	•	•	•

¹Average Yield for 2009 and 2010.²Average Yield for 2008, 2009, 2010.³For MG 4 Late Test, 2-Year average taken from 2008 and 2010 and 3-Year average taken from 2007, 2008, and 2010.

Soil Series	Sharkey Clay
Soil pH	7.4
Previous Crop	Soybean
Row Width	19"
Planting Date	5/18
Herbicide Applications	Cornerstone, 5/25, 6/16, 6/28, 7/13
Insecticide Applications	Brigade, 7/26; Intrepid, 8/16
Irrigation Dates	6/8, 6/22, 7/23, 8/17, 8/26, 9/8, (9/20 MG 5E and 5L only)
Harvest Dates	MG 4E, 9/24; MG 4L, 9/28; MG 5E, 10/8; MG 5 L, 10/11

	Precipitation (inches)					
	April	May	June	July	August	Total
2010	3.8	2.2	1.7	3.8	6.4	17.8
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-1.3	-2.5	-1.8	-0.1	3.7	-2.0

Table 24. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2010¹.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Terral TV55R20	54.9	63.2	•	10/10	1.3	1.0	45
Terral-REVTM 54R10	53.7	61.0	•	10/09	1.3	1.0	45
Delta Grow 5555RR	52.5	61.5	58.4	10/11	1.0	1.0	49
Dyna-Gro 33B52	51.5	61.0	57.7	10/05	1.0	1.0	41
MPG 5407NRR	50.2	57.7	55.2	10/14	1.0	1.0	56
Terral TV55R15	50.1	58.8	57.2	10/12	1.3	1.0	48
Delta King GP-500	48.8	59.4	55.7	10/06	1.0	1.0	47
Armor ARX1535	48.5	•	•	10/09	1.0	1.0	42
Armor 53-Z5	48.4	58.8	56.5	10/10	1.0	1.0	39
HBK R5226	47.9	59.9	55.3	10/10	1.0	1.3	42
USG 75T18	47.8	•	•	10/03	1.0	1.0	40
Progeny 5218RR	47.7	57.2	54.8	10/12	1.0	1.0	36
Dyna-Gro 35F55	47.5	61.3	58.2	10/12	1.0	1.0	48
Dyna-Gro 35P53	47.3	•	•	10/09	1.3	1.0	47
Croplan RC5419	47.0	56.4	•	10/12	1.7	1.0	48
USG 75M49	47.0	57.4	•	10/10	1.0	1.0	40
Schillinger 557.RC	45.7	57.4	55.5	10/11	1.0	1.0	44
Delta King GP-533	45.7	57.6	55.1	10/10	1.0	1.0	45
Delta Grow 5280RR	45.4	56.4	•	10/14	1.0	1.0	43
Willcross RR2544NS	45.3	57.3	•	10/08	1.0	1.0	41
Progeny 5330RR	45.2	•	•	10/07	1.7	1.3	45
Eagle Seed ES5507	45.1	55.7	•	10/13	1.0	1.0	46
USG 7553nRS	44.9	58.3	58.2	10/12	1.0	1.0	48
Progeny 5210RY	44.9	•	•	10/09	1.0	1.0	46
Delta King DKX1537	44.7	•	•	10/05	1.0	1.3	45
Dyna-Gro 37RY52	44.4	•	•	10/10	1.0	1.0	42
Armor ARX1536	44.1	•	•	10/09	1.0	1.0	44
Delta Grow 5275RR/STS2	44.0	•	•	10/10	1.0	1.0	42
Pioneer 95Y01	43.7	57.1	•	10/08	1.7	1.0	51
MorSoy RT 5429N	43.5	58.7	•	10/12	1.0	1.0	48
Delta King DKX1533	43.5	•	•	10/05	1.0	1.0	48
Armor 55-A5	43.4	58.5	56.4	10/15	1.0	1.0	40
Terral TV54R28	43.4	55.0	52.5	10/07	1.0	1.7	46

Table 24. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2010¹, Continued.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
HBK R5525	43.4	56.1	53.0	10/11	1.0	1.0	46
Progeny 5110RY	43.3	•	•	10/03	1.0	1.0	40
Pioneer 95Y30	43.1	56.9	•	10/07	1.0	1.0	43
AgVenture AV50X6RR	43.1	57.3	54.7	10/10	1.7	1.3	49
S06-4649	43.0	•	•	10/10	1.0	1.3	50
USG 75J10R	43.0	•	•	10/08	1.0	1.7	47
Syngenta S52-F2 Brand	42.9	55.8	56.0	10/11	1.0	1.0	43
Terral-REVTM 54R21	42.8	•	•	10/11	1.0	1.0	44
MPG 5308NRR	42.6	56.0	53.7	10/08	1.0	1.0	51
USG 75Z38	42.5	•	•	10/11	1.0	1.0	41
Armor ARX1551	42.2	•	•	10/15	1.3	1.0	55
Willcross RR2547N	42.1	52.6	•	10/16	1.0	1.0	43
Delta King DK5363	41.9	55.8	•	10/14	1.3	1.3	46
AGS 554RR	41.7	56.2	•	10/13	1.3	1.0	41
HBK RY5220	41.2	•	•	10/05	1.0	1.0	48
MorSoy RT 5388N	41.0	57.3	56.4	10/10	1.0	1.0	49
Terral TV52R79	40.9	55.8	54.9	10/12	1.0	1.0	41
Delta King DKX1534	40.8	•	•	10/05	1.0	1.0	48
HBK R5529	40.5	•	•	10/12	1.0	1.0	41
USG 75M16	40.3	•	•	10/08	1.0	1.0	48
ASGROW AG5531	40.1	•	•	10/15	1.0	1.0	56
USG 75J50R	40.0	•	•	10/16	1.3	1.3	56
Willcross RR2507NS	39.9	•	•	10/09	1.3	1.0	51
AgVenture AV54X4RR	39.6	54.5	52.9	10/12	1.0	1.0	43
Terral-REVTM 55R21	39.4	•	•	10/10	1.0	1.0	42
Armor ARX1531	39.3	•	•	10/04	1.0	1.0	39
Delta King DKX1539	38.9	•	•	10/10	2.3	1.3	50
Eagle Seed ES5190RR2	38.9	•	•	10/10	1.0	1.0	36
Delta King DKX1540	38.6	•	•	10/07	2.3	1.0	56
S06-6053	38.3	•	•	10/08	1.0	2.3	50
MorSoy Xtra 52X10	38.1	•	•	10/06	1.0	1.3	43
Pioneer 95Y40	38.1	51.7	53.3	10/09	1.3	1.0	42
Pioneer 95Y20	37.8	•	•	09/28	1.3	1.3	50
MorSoy R2 521	37.2	•	•	10/17	1.0	2.0	44
Delta Grow 5300RR	36.7	52.7	52.9	10/07	1.0	1.7	48
Progeny 5310RY	36.6	•	•	10/09	2.7	1.3	48

Table 24. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2010¹, Continued.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Progeny 5115RR	36.6	55.6	53.6	10/09	2.0	1.7	55
Armor ARX1532	36.5	•	•	10/04	1.0	1.0	38
MorSoy RT 5168	36.5	53.9	52.4	10/11	1.7	1.0	51
ASGROW AG5331	36.3	•	•	10/07	1.0	1.0	39
ASGROW AG5431	36.0	•	•	10/14	1.3	1.0	59
Armor ARX1552	35.2	•	•	10/17	2.3	1.0	54
Eagle Seed ES5390RR2	35.0	•	•	09/30	1.0	1.7	35
Dyna-Gro 33X55	34.9	52.1	51.7	10/12	1.0	1.0	46
Stine 5400-4	34.2	•	•	10/13	1.0	1.0	49
HBK RY5520	33.6	•	•	10/17	1.0	1.3	54
USG 75T40	33.4	•	•	10/08	1.0	1.3	46
Syngenta S51-T8 Brand	33.3	•	•	10/12	1.0	1.0	54
Delta King DKX1538	32.4	•	•	10/06	1.0	1.7	44
MorSoy Xtra 54X10	31.8	•	•	10/16	1.7	1.0	55
GRAND MEAN	42.1	•	•	10/10	1.2	1.1	46
LSD (5%)	8.8	•	•	2	0.7	0.5	•
C.V.	13.0	•	•	4	36.7	29.9	•

Maturity Group V Late (RM 5.6 to 5.9)

Terral-REVTM 56R21	48.6	•	•	10/08	1.0	1.0	49
Pioneer 95Y70	46.3	58.7	57.7	10/15	1.0	1.0	45
MorSoy RT 5688N	46.0	58.1	55.9	10/15	1.0	1.0	39
Progeny 5650RR	45.9	55.1	53.7	10/14	1.3	1.0	45
Terral-REVTM 57R21	45.9	•	•	10/08	1.0	1.0	38
USG 75J90R	44.8	•	•	10/12	1.0	1.0	43
Dyna-Gro 33C59	44.1	58.0	56.3	10/15	1.0	1.0	38
Croplan RC5663	44.0	58.3	56.3	10/11	1.7	1.0	42
AGS 597	43.4	57.2	•	10/15	1.0	1.0	39
USG 7582nRR	42.7	54.2	52.2	10/13	1.0	1.0	48
Progeny 5706RR	41.6	56.9	54.7	10/16	1.0	1.0	44

Table 24. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2010¹, Continued.

Variety/Experimental Line	2010	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>							
Progeny 5610RY	41.3	•	•	10/12	1.0	1.0	49
Delta Grow 5970RR	40.1	55.1	54.1	10/16	1.0	1.0	44
Terral TV59R16	40.1	55.5	56.4	10/14	1.0	1.0	42
HBK RY5820	39.9	•	•	10/12	1.0	1.0	44
USG 75Z98	39.5	55.4	55.4	10/17	1.0	1.0	42
Syngenta S56-G6 Brand	37.3	•	•	10/14	1.0	1.0	43
Progeny 5622RR	37.2	54.1	52.4	10/13	1.3	1.0	43
AGS 568RR	35.6	52.1	52.3	10/12	1.0	1.0	43
AGS 606RR	34.5	49.7	47.3	10/16	1.0	1.0	39
GRAND MEAN	41.9	•	•	10/13	1.1	1.0	43
LSD (5%)	4.8	•	•	2	0.4	•	•
C.V	7.0	•	•	10	20.2	•	•

¹Only MG 5's were tested at this location.²Average Yield for 2009 and 2010.³Average Yield for 2008, 2009, 2010.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	6/2
Herbicide Applications	Pursuit + Dual Magnum, 6/2; Cornerstone, 6/22
Irrigation Dates	6/3, 6/14, 6/15, 6/25, 7/22, 7/29, 8/4, 8/18, 8/27
Harvest Dates	MG 5E, 10/28; MG 5L, 10/28

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2010	4.4	4.8	3.3	4.0	6.4	1.4	24.2
Average	2.9	5.4	5.6	1.3	2.2	4.8	22.2
Departure	1.5	-0.6	-2.3	2.7	4.2	-3.4	2.0

Participants and Entries
2010 Early-Planted Roundup Ready™ Tests

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	MorSoy RTS 4706	4.7	RR1/STS
	MorSoy RT 4707N	4.7	RR1
	MorSoy RTS 4824	4.8	RR1/STS
	MorSoy RT 4914N	4.9	RR1
	MorSoy RTS 4955N	4.9	RR1/STS
	MorSoy Xtra 46X29	4.6	RR2/STS
	MorSoy Xtra 48X00	4.8	RR2/STS
	MorSoy Xtra 47X10	4.8	RR2/STS
	MorSoy R2S 481	4.8	RR2/STS
	MorSoy Xtra 49X10	4.9	RR2
	MorSoy R2 496	4.9	RR2
	MorSoy Xtra 51X10	4.9	RR2
	Crop Production Services 1673 N. US HWY 61 Portageville, MO 63873	Dyna-Gro 35X43	4.3	RR1
Dyna-Gro 36C44		4.4	RR1/STS
Dyna-Gro 36Y48		4.8	RR1/STS
Dyna-Gro 35RY47		4.7	RR2
Dyna-Gro 33G48		4.8	RR1
Dyna-Gro 33B52		5.2	RR1
Dyna-Gro 37RY52		5.2	RR2
Cullum Seeds P.O. Box 178 Hwy 49 Fisher, AR 72429	Armor 42-M1	4.2	RR1
	Armor 47-F8	4.7	RR1
	Armor 47-G10	4.7	RR1
	Armor 47-R33	4.7	RR2/STS
	Armor ARX1471	4.7	RR2
	Armor ARX1472	4.7	RR2
	Armor ARX1477	4.7	RR2/STS
	Armor ARX1478	4.7	RR2/STS
	Armor ARX1481	4.8	RR2/STS
	Armor ARX1482	4.8	RR2/STS
	Delta King DKR4440	4.4	RR2
	Delta King DKR4744	4.7	RR2/STS
	Delta King DKX1473	4.7	RR2
	Delta King DKX1474	4.7	RR2
	Delta King DK4968	4.9	RR1
	Delta King DKX1491	4.9	RR2
	Delta King DKX1492	4.9	RR2
	Delta King DKX1539	5.3	RR2

Participants and Entries
2010 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4470 RR/STS	4.4	RR1/STS
	Delta Grow 4770 RR	4.7	RR1
	Delta Grow 4795 RR2	4.7	RR2
	Delta Grow 4870 RR	4.8	RR1
	Delta Grow 4880 RR	4.8	RR1
	Delta Grow 4970 RR	4.9	RR1
	Delta Grow 4975 RR	4.9	RR1
	Delta Grow 5275 RR2/STS	5.2	RR2/STS
	Delta Grow 5280 RR	5.2	RR1
	Delta Grow 5300 RR/STS	5.3	RR1/STS
Eagle Seed Company P.O.Box 308 Weiner, AR 72479	ES4777	4.7	RR1
	ES4818	4.8	RR1
	ES4998	4.9	RR1
	ES5355	5.3	RR1
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK R4527	4.5	RR1
	HBK R4729	4.7	RR1
	HBK R4829	4.8	RR1
	HBK R4924	4.9	RR1
	HBK R5226	5.2	RR1
Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW AG4531	4.5	RR2/STS
	ASGROW AG4630	4.6	RR2
	ASGROW AG4730	4.7	RR2/STS
	ASGROW AG5331	5.3	RR2
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 3909RR	3.9	RR1
	Progeny 3910RY	3.9	RR2
	Progeny 4206RR	4.2	RR1
	Progeny 4209RY	4.2	RR2
	Progeny 4510RY	4.5	RR2/STS
	Progeny 4606RR	4.6	RR1/STS
	Progeny 4610RY	4.6	RR2
	Progeny 4710RY	4.7	RR2
	Progeny 4750RR	4.7	RR1
	Progeny 4807RR	4.8	RR1
	Progeny 4810RY	4.8	RR2
	Progeny 4906RR	4.9	RR1
	Progeny 4908RR	4.9	RR1
	Progeny 4949RR	4.9	RR1
	Progeny 4920RY	4.9	RR2
	Progeny 5115RR	5.1	RR1
	Progeny 5110RY	5.1	RR2

Participants and Entries
2010 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Progeny Ag Products, Cont. 1529 Hwy 193 Wynne, AR 72396	Progeny 5218RR	5.2	RR1
	Progeny 5210RY	5.2	RR2
	Progeny 5310RY	5.3	RR2
	Progeny 5330RR	5.3	RR1
Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Schillinger 458.RCS	4.5	RR1/STS
	Schillinger 457.RCP	4.5	RR1
	Schillinger 478.RCS	4.7	RR1/STS
	Schillinger 495.RC	4.9	RR1
	Schillinger 4990.RC	4.9	RR1
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	REV™ 44R22™	4.4	RR1
	REV™ 45R10™	4.5	RR1
	REV™ 47R22™	4.7	RR1
	REV™ 48R10™	4.8	RR1
	REV™ 48R21™	4.8	RR1
	REV™ 48R22™	4.8	RR1
	REV™ 49R11™	4.9	RR1
	REV™ 49R22™	4.9	RR1
	Terral TV52R79	5.2	RR1
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 74T59	4.4	RR1
	USG 74A45	4.4	RR1
	USG 74B58	4.6	RR1/STS
	USG 74C69	4.8	RR1
University of Missouri 147 State Hwy T Portageville, MO 63873	S07-15722	4.6	RR1
	S06-3095	4.9	RR1
	S06-4649	5.2	RR1
	S06-3053	5.2	RR1
WinField Solutions/ Croplan Genetics P.O. Box 1351 Blytheville, AR 72315	Croplan RC4417	4.4	RR1
	Croplan RC4757S	4.7	RR1/STS
	Croplan RC4749	4.7	RR1
	Croplan R2T4799S	4.7	RR2/STS
	Croplan RC4877	4.8	RR1
	Croplan RC5007S	5.0	RR1/STS

Participants and Entries
2010 Full-Season Roundup Ready™ Tests

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
AGSouth Genetics P.O. Box 72246 Albany, GA 31701	AGS 554RR	5.5	RR1
	AGS 568RR	5.6	RR1
	AGS 597	5.9	RR1
	AGS 606RR	5.9	RR1
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	MorSoy Xtra 46X29	4.6	RR2/STS
	MorSoy RT 4707N	4.7	RR1
	MorSoy RTS 4706N	4.7	RR1/STS
	MorSoy Xtra 47X10	4.8	RR2/STS
	MorSoy Xtra 48X00	4.8	RR2/STS
	MorSoy R2S 481	4.8	RR2/STS
	MorSoy RTS 4824	4.8	RR1/STS
	MorSoy Xtra 49X10	4.9	RR2
	MorSoy Xtra 51X10	4.9	RR2
	MorSoy R2 496	4.9	RR2
	MorSoy RT 4914N	4.9	RR1
	MorSoy RTS 4955N	4.9	RR1/STS
	MorSoy RT 5168	5.1	RR1
	MorSoy Xtra 52X10	5.2	RR2
	MorSoy R2 521	5.2	RR2
	MorSoy RT 5388N	5.3	RR1
	MorSoy Xtra 54X10	5.4	RR2
MorSoy RT 5429N	5.4	RR1	
MorSoy RT 5688N	5.6	RR1	
Crop Production Services 1673 N. US HWY 61 Portageville, MO 63873	Dyna-Gro 35x43	4.3	RR1
	Dyna-Gro 36C44	4.4	RR1/STS
	Dyna-Gro 34RY46	4.6	RR2/STS
	Dyna-Gro 37RY47	4.7	RR2/STS
	Dyna-Gro 35RY47	4.7	RR2
	Dyna-Gro 36Y48	4.8	RR1/STS
	Dyna-Gro 33G48	4.8	RR1
	Dyna-Gro 37P49	4.9	RR1
	Dyna-Gro 33B52	5.2	RR1
	Dyna-Gro 37RY52	5.2	RR2
	Dyna-Gro 35P53	5.3	RR1
	Dyna-Gro 33X55	5.5	RR1
Dyna-Gro 35F55	5.5	RR1	
Dyna-Gro 33C59	5.9	RR1	

Participants and Entries
2010 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	
Cullum Seeds P.O. Box 178 Hwy 49 Fisher, AR 72429	Armor 42-M1	4.2	RR1	
	Armor 46-N7	4.6	RR1	
	Armor 47-F8	4.7	RR1/STS	
	Armor 47-G10	4.7	RR1	
	Armor 47-R33	4.7	RR2/STS	
	Armor ARX1471	4.7	RR2	
	Armor ARX1477	4.7	RR2/STS	
	Armor ARX1481	4.8	RR2/STS	
	Armor 53-Z5	5.3	RR1/STS	
	Armor ARX1531	5.3	RR2	
	Armor ARX1532	5.3	RR2	
	Armor ARX1535	5.3	RR2	
	Armor ARX1536	5.3	RR2	
	Armor 55-A5	5.5	RR1	
	Armor ARX1551	5.5	RR2	
	Armor ARX1552	5.5	RR2	
	Delta King DKR4440	4.4	RR2	
	Delta King DKR4744	4.7	RR2/STS	
	Delta King DKX1473	4.7	RR2	
	Delta King DK4968	4.9	RR1	
	Delta King DKX1491	4.9	RR2	
	Delta King GP-500	5.0	RR1	
	Delta King DK5363	5.3	RR1	
	Delta King DKX1533	5.3	RR2	
	Delta King DKX1534	5.3	RR2	
	Delta King DKX1537	5.3	RR2	
	Delta King DKX1538	5.3	RR2	
	Delta King DKX1539	5.3	RR2	
	Delta King GP-533	5.3	RR1	
	Delta King DKX1540	5.4	RR2	
	Davis Seed Company 20847 HWY J5T Moravia, IA 52571	DAVIS 147RRCNS	4.7	RR1/STS
		DAVIS 247RRS	4.7	RR2/STS
		DAVIS 149RRCNS	4.9	RR1/STS
Delta Grow P.O. Box 219 England, AR 72046	Delta Grow 4470RR/STS	4.4	RR1/STS	
	Delta Grow 4770RR	4.7	RR1	
	Delta Grow 4880RR	4.8	RR1	
	Delta Grow 4970RR	4.9	RR1	
	Delta Grow 4975RR	4.9	RR1	
	Delta Grow 5275RR/STS2	5.2	RR2/STS	
	Delta Grow 5280RR	5.2	RR1	
	Delta Grow 5300RR	5.3	RR1/STS	
	Delta Grow 5555RR	5.5	RR1	
	Delta Grow 5970RR	5.9	RR1	

Participants and Entries
2010 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Dulaney Seed, Inc. 6933 Sunflower School Road Clarksdale, MS 38614	AgVenture AV45X5RR	4.5	RR1
	AgVenture AV48A8RR	4.8	RR1
	AgVenture AV50X6RR	5.0	RR1
	AgVenture AV54X4RR	5.4	RR1
	VP Maxx 44X1RR	4.4	RR1
	VP Maxx 49C9RR	4.9	RR1
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	Eagle Seed ES4777	4.7	RR1
	Eagle Seed ES4818	4.8	RR1
	Eagle Seed ES4998	4.9	RR1
	Eagle Seed ES5190RR2	5.1	RR2
	Eagle Seed ES5390RR2	5.3	RR2
	Eagle Seed ES5507	5.5	RR1
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK R4527	4.5	RR1
	HBK RY4620	4.6	RR2
	HBK R4729	4.7	RR1
	HBK R4829	4.8	RR1
	HBK R4924	4.9	RR1
	HBK RY4920	4.9	RR2
	HBK R5226	5.2	RR1
	HBK RY5220	5.2	RR2
	HBK R5525	5.5	RR1
	HBK R5529	5.5	RR1
	HBK RY5520	5.5	RR2
	HBK RY5820	5.8	RR2
Midwest Premium Genetics 523 S. Main Concordia, MO 64020	MPG 4577NRR	4.5	RR1
	MPG 4611NRR/STS	4.6	RR2/STS
	MPG 4707NRR/STS	4.7	RR1/STS
	MPG 5308NRR	5.3	RR1
	MPG 5407NRR	5.4	RR1
Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW EXP944R2	4.4	RR2
	ASGROW AG4531	4.5	RR2/STS
	ASGROW AG4630	4.6	RR2
	ASGROW EXP946R2	4.6	RR2
	ASGROW AG4730	4.7	RR2/STS
	ASGROW EXP948R2	4.8	RR2/STS
	ASGROW AG5331	5.3	RR2
	ASGROW AG5431	5.4	RR2
ASGROW AG5531	5.5	RR2	

Participants and Entries
2010 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Pioneer Hi-Bred International, Inc 700 Boulevard South, Ste. 302 Huntsville, AL 35802	Pioneer 94Y40	4.4	RR1
	Pioneer 94Y60	4.6	RR1
	Pioneer 94Y70	4.7	RR1
	Pioneer 94Y71	4.7	RR1
	Pioneer 94Y80	4.8	RR1
	Pioneer 94Y91	4.9	RR1
	Pioneer 94Y92	4.9	RR1
	Pioneer 95Y01	5.0	RR1
	Pioneer 95Y20	5.2	RR1
	Pioneer 95Y30	5.3	RR1
	Pioneer 95Y40	5.4	RR1
	Pioneer 95Y70	5.7	RR1/STS
	Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny P3909RR	3.9	RR1
Progeny P3910RY		3.9	RR2
Progeny P4206RR		4.2	RR1
Progeny P4209RY		4.2	RR2
Progeny P4510RY		4.5	RR2/STS
Progeny P4606RR		4.6	RR1/STS
Progeny P4610RY		4.6	RR2
Progeny P4750RR		4.7	RR1
Progeny P4807RR		4.8	RR1
Progeny P4810RY		4.8	RR2
Progeny P4906RR		4.9	RR1
Progeny P4908RR		4.9	RR1
Progeny P4920RY		4.9	RR2
Progeny P4949RR		4.9	RR1
Progeny P5110RY		5.1	RR2
Progeny P5115RR		5.1	RR1
Progeny P5210RY		5.2	RR2
Progeny P5218RR		5.2	RR1
Progeny P5310RY		5.3	RR2
Progeny P5330RR		5.3	RR1
Progeny P5610RY	5.6	RR2	
Progeny P5622RR	5.6	RR1	
Progeny P5650RR	5.6	RR1	
Progeny P5706RR	5.7	RR1	
Stine Seed Company 252 Blair Drive Marion, AR 72364	Stine 5400-4	5.4	RR1/STS

Participants and Entries
2010 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Syngenta Seeds 11055 Wayzata Blvd. Minnetanka, MN 55305-1526	Syngenta S44-D5 Brand	4.4	RR1
	Syngenta S46-U6 Brand	4.6	RR1
	Syngenta S47-R3 Brand	4.7	RR1
	Syngenta S48-C9 Brand	4.8	RR1
	Syngenta S49-A5 Brand	4.9	RR1
	Syngenta S51-T8 Brand	5.1	RR1
	Syngenta S52-F2 Brand	5.2	RR1
	Syngenta S56-G6 Brand	5.6	RR1
Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Schillinger 458.RCS	4.5	RR1/STS
	Schillinger 457.RCP	4.5	RR1
	Schillinger 478.RCS	4.7	RR1/STS
	Schillinger 495.RC	4.9	RR1
	Schillinger 4990.RC	4.9	RR1
	Schillinger 557.RC	5.5	RR1
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	REV™ 44R22™	4.4	RR1
	REV™ 45R10™	4.5	RR1
	REV™ 47R22™	4.7	RR1
	REV™ 48R10™	4.8	RR1
	REV™ 48R21™	4.8	RR1
	REV™ 48R22™	4.8	RR1
	REV™ 49R10™	4.9	RR1
	REV™ 49R11™	4.9	RR1
	REV™ 49R22™	4.9	RR1
	REV™ 54R10™	5.4	RR1
	REV™ 54R21™	5.4	RR1
	REV™ 55R21™	5.5	RR1/STS
	REV™ 56R21™	5.6	RR1
	REV™ 57R21™	5.7	RR1
	Terral TV49R17	4.9	RR1
	Terral TV46R15	4.6	RR1
	Terral TV52R79	5.2	RR1
	Terral TV54R28	5.4	RR1
	Terral TV55R15	5.5	RR1
	Terral TV55R20	5.5	RR1
Terral TV59R16	5.9	RR1	

Participants and Entries
2010 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 74C69	4.6	RR1
	USG 74A69R	4.6	RR2
	USG 74A79R	4.7	RR2
	USG 74E88	4.8	RR1/STS
	USG 74A91	4.9	RR1
	USG 74F96	4.9	RR1
	USG 7495nRS	4.9	RR1/STS
	USG 75T18	5.1	RR1
	USG 75J10R	5.1	RR2
	USG 75M16	5.1	RR1/STS
	USG 75Z38	5.3	RR1
	USG 75T40	5.4	RR1
	USG 75M49	5.4	RR1
	USG 7553nRS	5.5	RR1/STS
	USG 75J50R	5.5	RR2
	USG 7582nRR	5.8	RR1
	USG 75Z98	5.9	RR1
USG 75J90R	5.9	RR2	
University of Missouri 147 State Hwy T Portageville, MO 63873	S07-15722	4.6	RR1
	S06-3095	4.9	RR1
	S06-4649	5.2	RR1
	S06-6053	5.2	RR1
Wilcross Seed, Inc. P.O. Box 499 Garden City, MO 64747	Willcross RY2460S	4.6	RR2
	Willcross RR2477N	4.7	RR1
	Willcross RR2470NS	4.7	RR1/STS
	Willcross RY2481S	4.7	RR2/STS
	Willcross RR2878NS	4.7	RR1/STS
	Willcross RR2490NS	4.9	RR1/STS
	Willcross RR2498NS	4.9	RR1/STS
	Willcross RR2507NS	5.0	RR1/STS
	Willcross RR2544NS	5.4	RR1/STS
Willcross RR2547N	5.4	RR1	
WinField Solutions/ Croplan Genetics P.O. Box 1351 Blytheville, AR 72315	Croplan RC5419	5.4	RR1
	Croplan RC5663	5.6	RR1

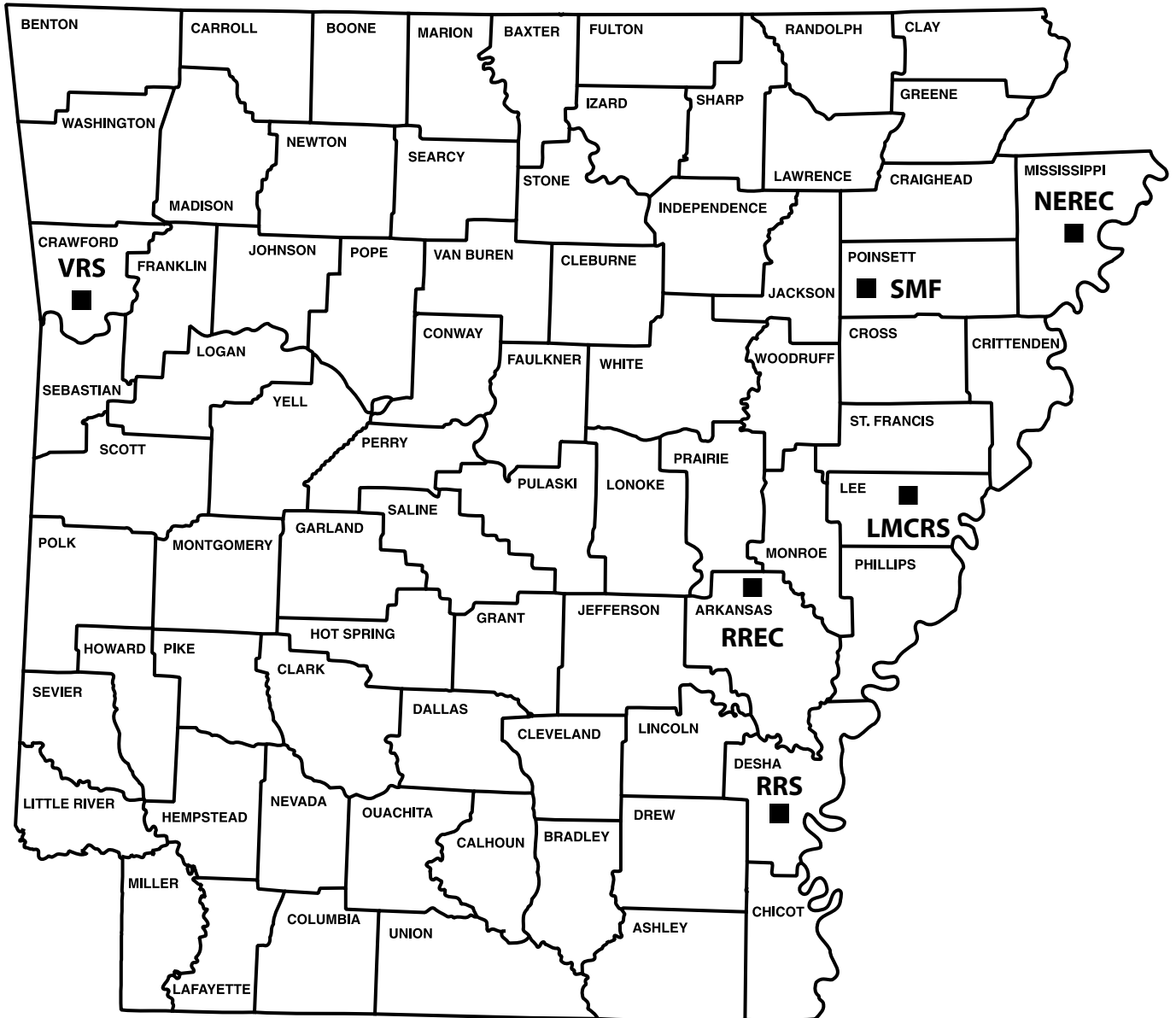
Participants and Entries
2010 Non-Roundup Ready™ and LibertyLink™ Tests

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	MorSoy CB 5209	5.2	Conventional
Crop Production Services 1673 N. US HWY 61 Portageville, MO 63873	Dyna-Gro SX10354L	5.4	LL
Cullum Seeds P.O. Box 178 Hwy 49 Fisher, AR 72429	Armor ARX492	4.9	Conventional
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C4926	4.9	Conventional
	HBK C4929	4.9	Conventional
	HBK C5025	5.0	Conventional
	HBK C5528	5.5	Conventional
Midwest Premium Genetics 523 S. Main Concordia, MO 64020	MPG-X-410-1	4.6	Conventional
	SS-11L.48N	4.8	LL
	SS-09L.49N	4.9	LL
	SSC-049N	4.9	Conventional
	SSC-051N	5.1	Conventional
	SS-10L.51N	5.1	LL
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny P4910	4.9	Conventional
	Progeny P4990	4.9	Conventional
	Progeny P5770	5.7	Conventional
	Progeny P4928LL	4.9	LL
	Progeny P4860LL	4.8	LL
	Progeny P4960LL	4.9	LL
	Progeny P5160LL	5.1	LL
	Progeny P5460LL	5.4	LL
	Progeny P5960LL	5.9	LL
Schillinger Genetics 4401 Westown Pkwy, Suite 225 West Des Moines, IA 50266	eMerge XP4520	4.5	Conventional
	eMerge XC4910	4.9	Conventional
	eMerge XC5110	5.1	Conventional

Participants and Entries
2010 Non-Roundup Ready™ and LibertyLink™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>
Stine Seed Company 252 Blair Drive Marion, AR 72364	Stine 49L28	4.9	LL
	Stine 51LA02	5.1	LL
University of Arkansas 115 Plant Science Building Fayetteville, AR 72701	UA 4910	4.9	Conventional
	UA 4805	4.8	Conventional
	R05-3239	4.9	Conventional
	R04-357	5.6	Conventional
	Osage	5.6	Conventional
	R04-572	5.6	Conventional
	R06-4433	5.6	Conventional
	Ozark	5.2	Conventional
	R05-235	5.7	Conventional
	Hutcheson	5.8	Conventional
University of Missouri 147 State Hwy T Portageville, MO 63873	S07-5049	4.0	Conventional
	S07-5151	4.6	Conventional
	S07-5117	4.9	Conventional
	S05-11268	5.0	Conventional
	S05-11482	5.1	Conventional
	JAKE	5.4	Conventional
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 74G99L	4.9	LL
USDA-ARS 141 Experiment Station Road Stoneville, MS 38776	DB03-8416	5.3	Conventional
	DB04-10836	5.5	Conventional
	DB06-2257	5.7	Conventional
	DB06-3442	5.3	Conventional
US Seeds 1690 Jasmine Conway, AR 72034	HALO 4:65	4.6	LL
	HALO 4:94	4.9	LL
	HALO 5:25	5.2	LL
	HALO 5:65	5.6	LL
Virginia Tech 509 Latham Hall, Virginia Tech Blacksburg, VA 24061	V03-4660	4.9	Conventional
	V03-4705	5.0	Conventional
	Glenn	5.3	Conventional

SOYBEAN TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna, Arkansas
- NEREC** - Northeast Research and Extension Center, Keiser, Arkansas
- RREC** - Rice Research and Extension Center, Stuttgart, Arkansas
- RRS** - Rohwer Research Station, Rohwer, Arkansas
- SMF** - Scott Matthews Farm, Poinsett County, Arkansas
- VRS** - Vegetable Research Station, Kibler, Arkansas

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Arkansas Soybean Performance Tests 2010

AAES, Division of Agriculture