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Arkansas Soybean Performance Tests 2009

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Arkansas Soybean Performance Tests

2009



D.G. Dombek • R.D. Bond • I.L. Eldridge • R.M. Pryor

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UNIVERSITY OF ARKANSAS
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ARKANSAS SOYBEAN PERFORMANCE TESTS¹ 2009

D.G. Dombek², R.D. Bond³, I.L. Eldridge⁴ 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 2009 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 EPT's 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, small grains and soybean 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 in Arkansas Performance Tests at All Locations, 2009¹.

Variety/Experimental Line	Keiser ²	Marianna ³	Rohwer	Poinsett Co. ⁴	Silt Loam ⁵ Average	All-Location Average
.....bu./A.....						
Maturity Group IV Early (RM 4.0 to 4.6)						
Armor 42-M1	71.5	54.8	70.2	71.0	65.3	66.9
Armor 46-N7	65.5	46.1	70.5	77.1	64.6	64.8
Armor ARX0431	69.9	59.6	71.3	71.3	67.4	68.0
Armor ARX0432	70.8	65.2	70.7	74.2	70.0	70.2
ASGROW AG3803	62.2	40.3	62.0	72.5	58.3	59.3
ASGROW AG4005	66.1	46.1	70.0	69.6	61.9	63.0
ASGROW AG4303	65.9	55.4	72.8	78.4	68.9	68.1
ASGROW AG4405	66.1	53.9	79.7	72.9	68.8	68.2
ASGROW AG4605	69.5	65.0	75.8	70.4	70.4	70.2
ASGROW AG4606	67.7	56.6	74.8	70.0	67.1	67.3
ASGROW DKB46-51	63.1	55.7	72.8	71.4	66.6	65.8
Channel 4A65RS	64.2	60.4	76.3	79.4	72.0	70.1
Croplan RC4207	65.2	46.1	66.6	67.8	60.2	61.4
Croplan RC4417	66.0	65.3	63.5	73.6	67.5	67.1
Croplan RC4455	69.3	66.2	81.2	74.3	73.9	72.8
Delta Grow 4150RR	70.2	44.4	67.0	72.0	61.1	63.4
Delta Grow 4470RR/STS	72.4	61.1	72.9	68.8	67.6	68.8
Delta King DK4560	69.8	52.8	65.3	67.5	61.9	63.9
Delta King DKR 4744s	67.2	69.0	74.4	75.3	72.9	71.5
Delta King DKX0461	70.1	62.3	68.6	81.7	70.9	70.7
Dyna-Gro 32R46	65.8	49.5	70.5	67.8	62.6	63.4
Dyna-Gro 33Y45	67.5	54.8	74.6	70.1	66.5	66.8
Dyna-Gro 36C44	68.8	55.9	67.7	72.7	65.4	66.3
HBK R3927	61.9	59.3	73.5	65.7	66.2	65.1
HBK R4527	66.9	59.1	77.1	69.5	68.6	68.2
MorSoy RT4485N	63.2	66.5	67.5	71.9	68.6	67.3
Pioneer 94Y20	64.6	50.2	65.5	75.3	63.7	63.9
Progeny 3909RR	67.4	62.3	64.3	82.5	69.7	69.1
Progeny 4206RR	69.0	58.9	64.9	69.5	64.4	65.6
Progeny 4508RR	65.8	62.7	80.6	64.5	69.3	68.4
Progeny 4606RR	68.3	60.9	73.1	80.7	71.6	70.8
S06-10572	64.0	53.2	74.6	77.1	68.3	67.2
Schillinger 457.RCP	61.1	49.3	72.1	74.3	65.2	64.2
Schillinger 458.RCS	67.4	66.7	74.6	73.3	71.5	70.5
Terral TV46R15	62.9	52.1	73.8	66.8	64.2	63.9
Terral TV46R19	60.6	47.5	73.1	62.9	61.2	61.0
Terral-REVTM 44R11	67.1	53.3	81.0	73.8	69.4	68.8

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains in Arkansas Performance Tests at All Locations, 2009¹, Continued.

Variety/Experimental Line	Keiser ²	Marianna ³	Rohwer	Poinsett Co. ⁴	Silt Loam ⁵ Average	All-Location Average
.....bu./A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>						
Terral-REVTM 45R10	68.0	57.3	75.0	75.9	69.4	69.1
Terral-REVTM 46R11	64.7	55.8	73.8	70.8	66.8	66.3
USG 74A45	66.6	63.8	71.9	77.0	70.9	69.8
USG 74B58	65.6	52.3	75.8	68.1	65.4	65.5
USG 74C69	64.6	46.6	65.9	67.8	60.1	61.2
GRAND MEAN	66.5	56.3	71.8	72.3	66.8	66.7
L.S.D (0.05)	5.1	11.5	8.9	10.1	•	•
C.V. (%)	5.5	12.5	8.8	10.0	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

Armor 47-F8	70.2	52.6	60.5	65.7	59.6	62.3
Armor 47-G10	62.8	53.7	63.3	79.8	65.6	64.9
Armor 47-R33	76.9	55.0	67.1	79.9	67.3	69.7
Armor ARX0471	74.1	58.2	57.3	74.1	63.2	65.9
Armor ARX0473	66.5	64.9	55.1	77.3	65.8	66.0
ASGROW AG4703	69.5	58.4	64.5	71.0	64.6	65.9
ASGROW AG4903	70.6	60.4	67.0	70.7	66.0	67.2
ASGROW AG4907	75.1	57.7	65.5	70.7	64.6	67.3
ASGROW DK4866	68.0	58.7	63.0	72.6	64.8	65.6
Channel 4A81RS	69.3	57.6	55.7	71.9	61.7	63.6
Channel 4A82RS	68.1	51.0	60.6	68.1	59.9	62.0
Croplan RC4718S	60.8	57.8	73.7	65.7	65.7	64.5
Croplan RC4757	71.1	55.4	60.2	65.3	60.3	63.0
Croplan RC4877	64.5	50.8	64.6	72.7	62.7	63.2
Croplan RC4955	66.5	60.9	71.1	74.3	68.8	68.2
Croplan RC4998	57.8	56.4	63.9	73.2	64.5	62.8
Delta Grow 4770RR	54.7	55.7	55.6	66.9	59.4	58.2
Delta Grow 4780RR	66.5	52.2	68.8	73.0	64.7	65.1
Delta Grow 4870RR	64.4	44.6	67.0	68.4	60.0	61.1
Delta Grow 4970RR	82.6	54.1	70.9	76.9	67.3	71.1
Delta Grow 4975RR	75.1	62.2	66.8	75.3	68.1	69.9
Delta King DK4770	71.4	55.2	66.6	74.2	65.3	66.9
Delta King DK4968	80.4	53.7	67.7	75.8	65.7	69.4
Delta King DKX049	70.6	50.2	65.7	76.9	64.3	65.9
Deltapine DP4888RR/S	63.1	59.8	56.0	74.9	63.6	63.5
Dyna-Gro 36Y48	67.0	62.0	67.8	70.7	66.8	66.9
Dyna-Gro 37P49	75.8	65.6	59.6	72.5	65.9	68.4
Eagle Seed ES4818RR	71.2	56.0	64.7	76.3	65.7	67.1
Eagle Seed ES4906RR	70.8	60.4	64.5	71.2	65.4	66.7
Eagle Seed ES4991RR	68.7	58.0	74.7	73.9	68.9	68.8
HBK R4727	76.8	55.0	71.1	77.7	67.9	70.2
HBK R4729	70.2	58.0	63.4	73.5	65.0	66.3
HBK R4924	64.0	64.1	64.2	79.3	69.2	67.9

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains in Arkansas Performance Tests at All Locations, 2009¹, Continued.

Variety/Experimental Line	Keiser ²	Marianna ³	Rohwer	Poinsett Co. ⁴	Silt Loam ⁵ Average	All-Location Average
.....bu./A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>						
MorSoy RT4707N	74.0	51.8	66.7	75.3	64.6	67.0
MorSoy RT4914N	76.0	50.9	58.9	78.8	62.9	66.2
MorSoy RT4919N	71.8	58.1	64.0	71.3	64.5	66.3
MorSoy RTs4706N	70.6	51.2	71.8	69.3	64.1	65.7
MorSoy RTs4824	71.4	58.5	65.9	71.9	65.4	66.9
MorSoy RTs4955N	76.3	59.9	57.3	75.1	64.1	67.2
Pioneer 94Y70	61.9	58.3	61.2	69.2	62.9	62.7
Pioneer 94Y80	64.3	61.8	67.4	77.4	68.9	67.7
Pioneer 94Y90	69.3	55.7	65.9	69.7	63.8	65.2
Pioneer 94Y91	69.9	57.4	67.6	78.2	67.7	68.3
Progeny 4706RR	64.5	53.8	65.0	68.4	62.4	62.9
Progeny 4807RR	68.1	52.1	71.9	82.4	68.8	68.6
Progeny 4906RR	80.2	66.8	62.2	75.1	68.0	71.1
Progeny 4908RR	75.4	58.6	62.1	76.1	65.6	68.1
Progeny 4949RR	76.8	67.4	70.4	73.2	70.3	72.0
S06-3929	64.3	61.4	64.6	70.4	65.5	65.2
Schillinger 478.RCS	79.3	59.5	61.2	73.4	64.7	68.4
Schillinger 4880.RC	79.2	51.5	69.2	78.9	66.5	69.7
Schillinger 495.RC	80.9	56.5	71.6	76.9	68.3	71.5
Schillinger 499.RC	77.0	52.9	58.3	74.9	62.0	65.8
Schillinger 4990.RC	83.9	58.5	61.4	79.9	66.6	70.9
Terral TV47R18	74.1	51.8	74.2	71.1	65.7	67.8
Terral TV49R19	71.9	50.9	68.0	62.7	60.5	63.4
Terral-REVTM 47R11	73.9	51.7	68.1	67.4	62.4	65.3
Terral-REVTM 47R21	68.2	46.3	58.9	75.1	60.1	62.1
Terral-REVTM 48R10	61.2	59.6	69.3	71.7	66.9	65.5
USG 7495nRS	71.0	61.1	63.3	76.0	66.8	67.9
USG 74A88	64.1	53.7	67.6	71.2	64.2	64.2
USG 74D79	68.3	49.1	69.5	73.1	63.9	65.0
USG 74E88	59.0	52.6	64.7	68.4	61.9	61.2
GRAND MEAN	70.3	56.4	65.0	73.2	64.9	66.2
L.S.D (0.05)	9.3	8.4	10.8	7.0	•	•
C.V. (%)	9.5	10.7	11.9	6.9	•	•

Maturity Group V (RM 5.0 to 5.3)

ASGROW DK5068	76.5	58.2	78.3	72.7	69.7	71.4
Croplan RC5007	67.3	50.5	56.7	79.1	62.1	63.4
Croplan RC5222	67.0	58.0	62.7	76.6	65.8	66.1
Delta Grow 5160RR/STS	68.0	56.3	65.3	70.9	64.2	65.1
Delta Grow 5170RR	64.9	40.1	73.8	57.9	57.3	59.2

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains in Arkansas Performance Tests at All Locations, 2009¹, Continued.

Variety/Experimental Line	Keiser ²	Marianna ³	Rohwer	Poinsett Co. ⁴	Silt Loam ⁵ Average	All-Location Average
.....bu./A.....						
Maturity Group V (RM 5.0 to 5.3) Continued						
Delta Grow 5280RR	67.7	43.5	70.1	78.1	63.9	64.9
Delta Grow 5300RR/STS	74.9	50.6	65.3	77.4	64.4	67.1
Delta Grow 5450RR	62.5	57.6	61.7	75.2	64.8	64.3
Dyna-Gro 32A53	69.8	46.9	68.0	75.9	63.6	65.2
Dyna-Gro 33B52	78.4	53.4	62.2	78.3	64.6	68.1
Eagle Seed ES5370RR	50.0	58.1	58.5	62.5	59.7	57.3
HBK R5226	85.7	57.4	62.6	74.3	64.8	70.0
MorSoy RT5168N	74.4	61.2	63.1	78.9	67.7	69.4
MorSoy RT5388N	71.1	59.1	74.8	76.0	70.0	70.3
Pioneer 95Y01	71.9	59.1	76.4	70.3	68.6	69.4
Progeny 5115RR	70.2	52.1	66.0	75.3	64.5	65.9
Progeny 5218RR	74.8	49.3	55.5	76.8	60.5	64.1
Progeny 5319RR	60.5	48.5	52.7	67.0	56.1	57.2
S06-3095	71.7	63.1	69.7	77.9	70.2	70.6
S06-4649	70.0	68.1	70.7	85.9	74.9	73.7
USG 75M16	71.1	46.4	57.6	75.7	59.9	62.7
USG 75Z38	77.5	49.8	69.0	77.9	65.6	68.6
GRAND MEAN	70.3	54.0	65.5	74.6	64.7	66.1
L.S.D (0.05)	9.9	8.5	8.5	7.1	•	•
C.V. (%)	9.9	11.1	9.2	6.8	•	•

¹ Keiser = Northeast Research and Extension Center

Marianna = Lon Mann Cotton Research Station

Rohwer = Rohwer Research Station

Poinsett County = Scott Mathews Farm

² Repeated rains delayed planting of tests at this location until May 18.³ Repeated rains delayed planting of tests at this location until May 1. Poor stands in the "Early" MG IVs resulted in that test being replanted on May 20.⁴ Repeated rains delayed planting of tests at this location until May 19.⁵ 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, AR, 2009¹.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Delta Grow 4470RR/STS	72.4	73.5	72.0	09/26	1.0	1.0	26
Armor 42-M1	71.5	80.8	•	09/26	1.0	1.0	37
Armor ARX0432	70.8	•	•	09/27	1.0	1.0	33
Delta Grow 4150RR	70.2	72.4	68.7	09/26	1.3	1.0	37
Delta King DKX0461	70.1	•	•	09/28	2.0	1.0	38
Armor ARX0431	69.9	•	•	09/25	1.0	1.0	32
Delta King DK4560	69.8	74.2	•	09/25	2.5	1.0	36
ASGROW AG4605	69.5	77.9	•	09/25	1.0	1.0	31
Croplan RC4455	69.3	74.0	68.4	09/19	1.5	1.0	42
Progeny 4206RR	69.0	73.6	71.0	09/20	1.0	1.0	30
Dyna-Gro 36C44	68.8	•	•	09/25	1.0	1.0	33
Progeny 4606RR	68.3	73.7	70.0	09/27	1.0	1.0	32
Terral-REVTM 45R10	68.0	•	•	09/18	1.3	1.0	38
ASGROW AG4606	67.7	74.9	•	09/26	1.0	1.0	38
Dyna-Gro 33Y45	67.5	71.9	•	09/27	1.5	1.0	35
Progeny 3909RR	67.4	•	•	10/10	1.0	1.0	44
Schillinger 458.RCS	67.4	73.3	•	10/01	1.0	1.0	37
Delta King DKR 4744s	67.2	•	•	09/28	1.8	1.0	35
Terral-REVTM 44R11	67.1	•	•	09/19	1.3	1.0	34
HBK R4527	66.9	71.8	70.8	09/27	1.8	1.0	33
USG 74A45	66.6	68.2	•	09/21	2.5	1.0	34
ASGROW AG4005	66.1	•	•	09/25	1.8	1.0	32
ASGROW AG4405	66.1	71.0	71.3	09/28	1.0	1.0	33
Croplan RC4417	66.0	72.3	72.3	09/26	1.5	1.0	35
ASGROW AG4303	65.9	76.3	•	09/27	1.0	1.0	33
Dyna-Gro 32R46	65.8	73.4	71.7	09/28	1.0	1.0	28
Progeny 4508RR	65.8	68.6	•	09/29	1.8	1.0	36
USG 74B58	65.6	•	•	09/19	1.0	1.0	34
Armor 46-N7	65.5	•	•	10/01	1.5	1.0	35
Croplan RC4207	65.2	70.0	•	09/18	1.0	1.0	37
Terral-REVTM 46R11	64.7	•	•	09/24	1.3	1.0	39
Pioneer 94Y20	64.6	•	•	09/19	1.0	1.0	33
USG 74C69	64.6	•	•	09/28	2.3	1.0	43
Channel 4A65RS	64.2	•	•	09/27	1.8	1.0	33
S06-10572	64.0	•	•	09/30	1.8	1.0	32
MorSoy RT4485N	63.2	72.1	66.8	09/19	3.0	1.0	39
ASGROW DKB46-51	63.1	71.9	70.0	09/27	2.0	1.0	40
Terral TV46R15	62.9	•	•	09/28	2.8	1.0	40

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009¹, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>							
ASGROW AG3803	62.2	•	•	09/15	2.3	1.0	33
HBK R3927	61.9	69.5	66.2	09/19	3.0	1.0	37
Schillinger 457.RCP	61.1	67.5	70.3	09/26	2.3	1.0	40
Terral TV46R19	60.6	64.4	•	09/26	1.3	1.0	37
GRAND MEAN	66.5	•	•	09/25	1.5	1.0	35
L.S.D. (0.05%)	5.1	•	•	2	0.6	•	•
C.V.	5.5	•	•	5	26.5	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

Schillinger 4990.RC	83.9	•	•	10/01	1.0	1.0	36
Delta Grow 4970RR	82.6	80.6	79.2	10/09	1.0	1.0	27
Schillinger 495.RC	80.9	76.9	77.8	10/03	1.3	1.0	43
Delta King DK4968	80.4	81.4	77.0	10/03	1.0	1.0	42
Progeny 4906RR	80.2	78.9	78.6	09/29	1.0	1.0	40
Schillinger 478.RCS	79.3	79.1	•	10/02	1.0	1.0	40
Schillinger 4880.RC	79.2	•	•	10/02	1.8	1.0	38
Schillinger 499.RC	77.0	•	•	10/06	2.0	1.0	40
Armor 47-R33	76.9	•	•	09/27	1.0	1.0	33
HBK R4727	76.8	79.7	80.0	10/02	2.0	1.0	38
Progeny 4949RR	76.8	77.9	75.3	10/01	1.8	1.0	40
MorSoy RTs4955N	76.3	78.9	76.8	10/03	2.3	1.0	40
MorSoy RT4914N	76.0	76.8	75.4	10/03	1.0	1.0	41
Dyna-Gro 37P49	75.8	77.8	78.0	10/03	1.0	1.0	35
Progeny 4908RR	75.4	78.0	•	10/02	1.0	1.0	36
ASGROW AG4907	75.1	77.7	•	10/02	1.8	1.0	35
Delta Grow 4975RR	75.1	80.0	78.8	10/05	1.8	1.0	37
Armor ARX0471	74.1	•	•	09/30	1.0	1.0	33
Terral TV47R18	74.1	74.4	•	09/29	2.0	1.0	40
MorSoy RT4707N	74.0	79.1	77.4	10/07	2.0	1.0	43
Terral-REVTM 47R11	73.9	•	•	09/27	1.0	1.0	35
Terral TV49R19	71.9	75.9	•	10/01	1.0	1.0	38
MorSoy RT4919N	71.8	•	•	10/04	1.0	1.0	36
Delta King DK4770	71.4	73.9	•	09/30	1.5	1.0	34
MorSoy RTs4824	71.4	•	•	09/30	1.5	1.0	32
Eagle Seed ES4818RR	71.2	74.5	•	10/03	1.0	1.0	36
Croplan RC4757	71.1	80.7	76.2	10/02	1.0	1.0	30

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009¹, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 7495nRS	71.0	•	•	10/02	1.0	1.0	40
Eagle Seed ES4906RR	70.8	64.8	•	10/05	1.0	1.0	41
ASGROW AG4903	70.6	75.9	73.8	10/03	1.8	1.0	37
Delta King DKX049	70.6	•	•	10/03	1.5	1.0	39
MorSoy RTs4706N	70.6	80.7	75.6	09/30	1.0	1.0	31
Armor 47-F8	70.2	78.0	•	09/28	1.0	1.0	33
HBK R4729	70.2	•	•	10/02	1.0	1.0	37
Pioneer 94Y91	69.9	•	•	09/26	1.8	1.0	36
ASGROW AG4703	69.5	76.0	72.6	09/29	1.3	1.0	35
Channel 4A81RS	69.3	80.7	•	09/29	1.0	1.0	38
Pioneer 94Y90	69.3	72.2	•	09/27	1.7	1.0	42
Eagle Seed ES4991RR	68.7	70.5	•	10/02	1.0	1.0	37
USG 74D79	68.3	•	•	10/01	1.3	1.0	30
Terral-REVTM 47R21	68.2	•	•	09/22	1.0	1.0	37
Channel 4A82RS	68.1	•	•	09/30	1.5	1.0	40
Progeny 4807RR	68.1	77.0	78.2	09/29	1.0	1.0	40
ASGROW DK4866	68.0	78.5	78.6	09/29	1.0	1.0	42
Dyna-Gro 36Y48	67.0	73.5	74.7	10/02	1.8	1.0	35
Armor ARX0473	66.5	•	•	09/30	2.0	1.0	35
Croplan RC4955	66.5	70.8	71.6	10/07	1.0	1.0	42
Delta Grow 4780RR	66.5	76.0	77.1	09/28	1.8	1.0	41
Croplan RC4877	64.5	77.5	76.8	09/29	1.0	1.0	37
Progeny 4706RR	64.5	69.0	70.4	09/26	3.8	1.0	35
Delta Grow 4870RR	64.4	73.7	•	09/30	1.0	1.0	39
Pioneer 94Y80	64.3	•	•	09/28	4.0	1.0	39
S06-3929	64.3	•	•	10/01	2.8	1.0	30
USG 74A88	64.1	73.6	•	09/28	1.3	1.0	36
HBK R4924	64.0	70.9	67.6	10/03	1.0	1.0	47
Deltapine DP4888RR/S	63.1	68.8	68.8	09/28	2.5	1.0	38
Armor 47-G10	62.8	•	•	09/26	1.5	1.0	38
Pioneer 94Y70	61.9	73.5	•	09/28	1.8	1.0	35
Terral-REVTM 48R10	61.2	•	•	09/30	3.3	1.0	34
Croplan RC4718S	60.8	•	•	09/30	1.0	1.0	36
USG 74E88	59.0	•	•	09/30	1.8	1.0	37
Croplan RC4998	57.8	66.3	•	10/07	2.8	1.0	38
Delta Grow 4770RR	54.7	64.1	65.9	09/28	4.0	1.0	39
GRAND MEAN	70.3	•	•	10/01	1.5	1.0	37
L.S.D. (0.05%)	9.3	•	•	2	0.6	•	•
C.V.	9.5	•	•	5	29.3	•	•

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009¹, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
HBK R5226	85.7	81.9	78.6	10/14	1.0	1.0	34
Dyna-Gro 33B52	78.4	76.8	77.0	10/10	1.1	1.0	30
USG 75Z38	77.5	•	•	10/14	1.3	1.0	33
ASGROW DK5068	76.5	77.9	•	10/01	1.0	1.0	38
Delta Grow 5300RR/STS	74.9	74.9	•	10/12	1.0	1.0	40
Progeny 5218RR	74.8	74.0	•	10/14	1.0	1.0	28
MorSoy RT5168N	74.4	79.5	•	10/02	1.0	1.0	43
Pioneer 95Y01	71.9	•	•	10/04	1.0	1.0	38
S06-3095	71.7	•	•	10/09	1.0	1.0	37
MorSoy RT5388N	71.1	74.9	•	10/12	1.0	1.0	36
USG 75M16	71.1	•	•	10/10	1.0	1.0	32
Progeny 5115RR	70.2	74.0	71.7	10/08	1.1	1.0	45
S06-4649	70.0	•	•	10/10	1.0	1.0	35
Dyna-Gro 32A53	69.8	71.5	74.6	10/10	1.1	1.0	30
Delta Grow 5160RR/STS	68.0	71.7	71.3	10/04	2.0	1.0	40
Delta Grow 5280RR	67.7	73.6	•	10/12	1.3	1.0	33
Croplan RC5007	67.3	72.6	70.1	10/14	1.0	1.0	35
Croplan RC5222	67.0	68.1	67.3	10/13	1.0	1.0	37
Delta Grow 5170RR	64.9	72.9	•	10/03	1.0	1.0	34
Delta Grow 5450RR	62.5	•	•	10/17	1.1	1.0	38
Progeny 5319RR	60.5	•	•	10/15	1.0	1.0	33
Eagle Seed ES5370RR	50.0	•	•	10/13	3.0	1.0	43
GRAND MEAN	70.3	•	•	10/10	1.2	1.0	36
L.S.D. (0.05%)	9.9	•	•	2	0.6	•	•
C.V.	9.9	•	•	4	35.5	•	•

¹Repeated rains delayed planting of tests at this location until May 18.

Soil Series	Sharkey silty clay
Previous Crop	Cotton
Row Width	Four 8-inch rows on two 38-inch beds
Planting Date	5/18
Herbicide Applications	Roundup™ + Metribuzin + Metolachlor, 5/21; Roundup™, 6/17; Flexstar + Select + Metribuzin, 7/15
Irrigation Dates	7/9, 8/18
Harvest Dates	MG 4E 10/3; MG 4L 10/21; MG 5 11/8

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2009	7.1	5.0	8.3	2.9	3.2	9.4	35.9
Average	5.2	4.0	3.7	2.8	3.9	3.0	22.6
Departure	1.9	1.0	4.6	0.1	- 0.7	6.4	13.3

**Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Station, Marianna, AR, 2009¹.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>						
Delta King DKR 4744s	69.0	•	•	•	•	34
Schillinger 458.RCS	66.7	73.0	•	•	•	38
MorSoy RT4485N	66.5	76.7	73.9	•	•	40
Croplan RC4455	66.2	74.2	73.1	•	•	39
Croplan RC4417	65.3	70.5	69.5	•	•	41
Armor ARX0432	65.2	•	•	•	•	39
ASGROW AG4605	65.0	72.7	•	•	•	28
USG 74A45	63.8	75.0	•	•	•	41
Progeny 4508RR	62.7	75.1	•	•	•	36
Delta King DKX0461	62.3	•	•	•	•	38
Progeny 3909RR	62.3	•	•	•	•	47
Delta Grow 4470RR/STS	61.1	67.5	69.2	•	•	29
Progeny 4606RR	60.9	60.1	62.9	•	•	29
Channel 4A65RS	60.4	•	•	•	•	37
Armor ARX0431	59.6	•	•	•	•	36
HBK R3927	59.3	78.0	72.7	•	•	39
HBK R4527	59.1	63.8	62.7	•	•	43
Progeny 4206RR	58.9	65.5	68.3	•	•	32
Terral-REVTM 45R10	57.3	•	•	•	•	37
ASGROW AG4606	56.6	66.2	•	•	•	38
Dyna-Gro 36C44	55.9	•	•	•	•	30
Terral-REVTM 46R11	55.8	•	•	•	•	43
ASGROW DKB46-51	55.7	64.1	66.5	•	•	36
ASGROW AG4303	55.4	66.6	•	•	•	25
Armor 42-M1	54.8	67.3	•	•	•	29
Dyna-Gro 33Y45	54.8	63.9	•	•	•	32
ASGROW AG4405	53.9	69.4	67.7	•	•	33
Terral-REVTM 44R11	53.3	•	•	•	•	34
S06-10572	53.2	•	•	•	•	32
Delta King DK4560	52.8	66.9	•	•	•	35
USG 74B58	52.3	•	•	•	•	26
Terral TV46R15	52.1	•	•	•	•	41
Pioneer 94Y20	50.2	•	•	•	•	32
Dyna-Gro 32R46	49.5	56.3	60.3	•	•	28
Schillinger 457.RCP	49.3	61.5	62.2	•	•	40
Terral TV46R19	47.5	58.1	•	•	•	40
USG 74C69	46.6	•	•	•	•	41
Armor 46-N7	46.1	•	•	•	•	37

**Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Station, Marianna, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>						
ASGROW AG4005	46.1	•	•	•	•	31
Croplan RC4207	46.1	58.7	•	•	•	32
Delta Grow 4150RR	44.4	63.9	62.4	•	•	37
ASGROW AG3803	40.3	•	•	•	•	30
GRAND MEAN	56.3	•	•	•	•	35
L.S.D. (0.05%)	11.5	•	•	•	•	•
C.V.	12.5	•	•	•	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

Progeny 4949RR	67.4	67.4	63.7	•	•	33
Progeny 4906RR	66.8	66.7	66.6	•	•	34
Dyna-Gro 37P49	65.6	73.3	71.3	•	•	37
Armor ARX0473	64.9	•	•	•	•	33
HBK R4924	64.1	70.0	66.8	•	•	37
Delta Grow 4975RR	62.2	67.4	68.4	•	•	23
Dyna-Gro 36Y48	62.0	67.4	65.8	•	•	40
Pioneer 94Y80	61.8	•	•	•	•	33
S06-3929	61.4	•	•	•	•	40
USG 7495nRS	61.1	•	•	•	•	40
Croplan RC4955	60.9	66.0	60.7	•	•	38
ASGROW AG4903	60.4	66.9	64.4	•	•	33
Eagle Seed ES4906RR	60.4	70.4	•	•	•	40
MorSoy RTs4955N	59.9	69.0	67.5	•	•	36
Deltapine DP4888RR/S	59.8	68.2	63.1	•	•	34
Terral-REVTM 48R10	59.6	•	•	•	•	37
Schillinger 478.RCS	59.5	61.9	•	•	•	35
ASGROW DK4866	58.7	68.7	65.6	•	•	39
Progeny 4908RR	58.6	61.7	•	•	•	37
MorSoy RTs4824	58.5	•	•	•	•	38
Schillinger 4990.RC	58.5	•	•	•	•	31
ASGROW AG4703	58.4	67.3	63.9	•	•	29
Pioneer 94Y70	58.3	67.7	•	•	•	37
Armor ARX0471	58.2	•	•	•	•	35
MorSoy RT4919N	58.1	•	•	•	•	31
Eagle Seed ES4991RR	58.0	63.5	•	•	•	31
HBK R4729	58.0	•	•	•	•	32

**Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Station, Marianna, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>						
Croplan RC4718S	57.8	•	•	•	•	39
ASGROW AG4907	57.7	67.4	•	•	•	35
Channel 4A81RS	57.6	67.1	•	•	•	29
Pioneer 94Y91	57.4	•	•	•	•	35
Schillinger 495.RC	56.5	58.7	55.7	•	•	37
Croplan RC4998	56.4	61.7	•	•	•	41
Eagle Seed ES4818RR	56.0	65.0	•	•	•	45
Delta Grow 4770RR	55.7	61.4	61.5	•	•	30
Pioneer 94Y90	55.7	58.2	•	•	•	32
Croplan RC4757	55.4	57.2	56.0	•	•	32
Delta King DK4770	55.2	72.1	•	•	•	42
Armor 47-R33	55.0	•	•	•	•	25
HBK R4727	55.0	64.2	61.0	•	•	35
Delta Grow 4970RR	54.1	64.6	60.3	•	•	38
Progeny 4706RR	53.8	65.2	64.9	•	•	34
Armor 47-G10	53.7	•	•	•	•	34
Delta King DK4968	53.7	61.8	57.9	•	•	39
USG 74A88	53.7	59.8	•	•	•	38
Schillinger 499.RC	52.9	•	•	•	•	30
Armor 47-F8	52.6	59.1	•	•	•	36
USG 74E88	52.6	•	•	•	•	36
Delta Grow 4780RR	52.2	63.4	60.8	•	•	34
Progeny 4807RR	52.1	61.3	59.4	•	•	38
MorSoy RT4707N	51.8	65.4	62.8	•	•	40
Terral TV47R18	51.8	59.5	•	•	•	36
Terral-REVTM 47R11	51.7	•	•	•	•	30
Schillinger 4880.RC	51.5	•	•	•	•	38
MorSoy RTs4706N	51.2	57.1	59.7	•	•	32
Channel 4A82RS	51.0	•	•	•	•	37
MorSoy RT4914N	50.9	65.9	61.7	•	•	34
Terral TV49R19	50.9	61.2	•	•	•	35
Croplan RC4877	50.8	61.9	59.2	•	•	40
Delta King DKX049	50.2	•	•	•	•	38
USG 74D79	49.1	•	•	•	•	36
Terral-REVTM 47R21	46.3	•	•	•	•	31
Delta Grow 4870RR	44.6	54.5	•	•	•	34
GRAND MEAN	56.4	•	•	•	•	35
L.S.D. (0.05%)	8.4	•	•	•	•	•
C.V.	10.7	•	•	•	•	•

**Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Station, Marianna, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group V (RM 5.0 to 5.3)</u>						
S06-4649	68.1	•	•	2.3	1.0	32
S06-3095	63.1	•	•	1.5	2.3	30
MorSoy RT5168N	61.2	69.8	•	2.3	1.5	35
MorSoy RT5388N	59.1	60.1	•	1.0	1.3	26
Pioneer 95Y01	59.1	•	•	1.5	1.5	28
ASGROW DK5068	58.2	68.6	•	1.8	1.9	32
Eagle Seed ES5370RR	58.1	•	•	1.5	1.5	42
Croplan RC5222	58.0	59.3	60.2	1.3	1.5	34
Delta Grow 5450RR	57.6	•	•	0.9	1.3	27
HBK R5226	57.4	54.5	54.5	1.0	1.5	27
Delta Grow 5160RR/STS	56.3	64.3	64.1	2.0	1.8	37
Dyna-Gro 33B52	53.4	60.7	58.7	1.0	1.5	30
Progeny 5115RR	52.1	61.8	63.7	2.0	1.5	41
Delta Grow 5300RR/STS	50.6	54.9	•	1.0	1.8	33
Croplan RC5007	50.5	53.8	54.5	1.3	1.8	26
USG 75Z38	49.8	•	•	1.0	1.3	27
Progeny 5218RR	49.3	54.0	•	1.0	1.5	28
Progeny 5319RR	48.5	•	•	1.5	1.3	27
Dyna-Gro 32A53	46.9	49.6	53.3	1.3	1.3	29
USG 75M16	46.4	•	•	1.3	1.5	35
Delta Grow 5280RR	43.5	48.1	•	1.0	1.5	28
Delta Grow 5170RR	40.1	47.5	•	1.3	1.5	25
GRAND MEAN	54.0	•	•	1.4	1.5	31
L.S.D. (0.05%)	8.5	•	•	0.7	0.7	•
C.V.	11.1	•	•	33.3	33.5	•

¹Repeated rains delayed planting of tests at this location until May 1. Poor stands in the "Early" MG IVs resulted in that test being replanted on May 20.

Soil Series Calloway silt Loam
 Previous Crop Soybean
 Row Width 30 inches
 Fertilizer Applied 0-0-100, 4/8
 Planting Dates 5/1; 4E test replanted on 5/20
 Herbicide Applications Roundup™, 4/8; Dual Magnum, 5/1; Roundup™, 6/3; Roundup™ + Storm, 6/22
 Irrigation Dates 7/1, 8/15, 8/26
 Harvest Dates MG 4E 10/8; MG 4L 10/8; MG 5 10/8

	Precipitation (inches)					
	May	June	July	August	September	Total
2009	13.0	3.5	8.6	2.5	4.8	32.4
Average	5.2	3.4	4.0	2.8	4.0	19.4
Departure	7.8	0.1	4.6	- 0.3	0.8	13.0

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Croplan RC4455	81.2	75.1	70.3	09/05	1.3	1.0	34
Terral-REVTM 44R11	81.0	•	•	08/31	1.0	1.0	26
Progeny 4508RR	80.6	71.8	•	09/05	1.3	1.0	34
ASGROW AG4405	79.7	77.2	72.3	09/01	1.0	1.0	23
HBK R4527	77.1	71.0	67.9	09/04	2.0	1.0	42
Channel 4A65RS	76.3	•	•	08/31	1.0	1.0	27
ASGROW AG4605	75.8	77.3	•	09/04	1.0	1.0	21
USG 74B58	75.8	•	•	08/30	1.3	1.0	19
Terral-REVTM 45R10	75.0	•	•	08/31	1.3	1.0	34
ASGROW AG4606	74.8	72.5	•	09/04	1.0	1.0	36
Dyna-Gro 33Y45	74.6	75.6	•	09/02	1.0	1.0	22
S06-10572	74.6	•	•	09/01	1.3	1.0	27
Schillinger 458.RCS	74.6	72.2	•	09/07	1.0	1.0	30
Delta King DKR 4744s	74.4	•	•	09/06	1.0	1.0	29
Terral-REVTM 46R11	73.8	•	•	09/01	1.0	1.0	26
Terral TV46R15	73.8	•	•	08/31	3.0	1.0	32
HBK R3927	73.5	65.5	66.6	09/03	1.0	1.0	29
Progeny 4606RR	73.1	72.7	70.4	09/05	1.0	1.0	25
Terral TV46R19	73.1	63.7	•	09/05	1.3	1.0	37
Delta Grow 4470RR/STS	72.9	73.9	73.9	09/01	1.0	1.0	20
ASGROW AG4303	72.8	73.6	•	08/29	1.0	1.0	17
ASGROW DKB46-51	72.8	71.8	69.9	09/03	1.0	1.0	20
Schillinger 457.RCP	72.1	73.9	70.5	09/02	1.3	1.0	33
USG 74A45	71.9	69.7	•	08/31	2.8	1.0	39
Armor ARX0431	71.3	•	•	09/02	1.0	1.0	27
Armor ARX0432	70.7	•	•	09/01	1.0	1.0	28
Armor 46-N7	70.5	•	•	09/04	1.0	1.0	31
Dyna-Gro 32R46	70.5	74.6	71.6	09/03	1.0	1.0	25
Armor 42-M1	70.2	72.3	•	09/04	1.0	1.0	26
ASGROW AG4005	70.0	•	•	08/28	1.0	1.0	22
Delta King DKX0461	68.6	•	•	09/08	1.0	1.0	34
Dyna-Gro 36C44	67.7	•	•	08/30	1.0	1.0	19
MorSoy RT4485N	67.5	73.5	68.8	09/04	1.8	1.0	38
Delta Grow 4150RR	67.0	72.9	69.9	09/02	1.0	1.0	26
Croplan RC4207	66.6	68.4	•	08/30	1.0	1.0	24
USG 74C69	65.9	•	•	09/05	2.8	1.0	35
Pioneer 94Y20	65.5	•	•	08/25	1.0	1.0	24
Delta King DK4560	65.3	68.5	•	09/01	1.0	1.0	26

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>							
Progeny 4206RR	64.9	68.4	71.1	08/27	1.0	1.0	23
Progeny 3909RR	64.3	•	•	09/10	1.0	1.0	36
Croplan RC4417	63.5	69.0	71.1	09/02	1.0	1.0	28
ASGROW AG3803	62.0	•	•	08/04	1.0	1.0	21
GRAND MEAN	71.8	•	•	09/02	1.2	1.0	28
L.S.D. (0.05%)	8.9	•	•	3	0.5	•	•
C.V.	8.8	•	•	7	26.6	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

Eagle Seed ES4991RR	74.7	69.3	•	9/06	1.0	1.0	26
Terral TV47R18	74.2	64.8	•	9/03	1.3	1.0	22
Croplan RC4718S	73.7	•	•	9/01	1.0	1.0	28
Progeny 4807RR	71.9	72.8	70.9	9/05	1.0	1.0	26
MorSoy RTs4706N	71.8	66.4	66.0	9/06	1.0	1.0	22
Schillinger 495.RC	71.6	67.3	65.3	9/07	1.3	1.0	28
Croplan RC4955	71.1	69.2	64.0	9/07	1.3	1.0	33
HBK R4727	71.1	74.7	71.5	9/07	1.0	1.0	29
Delta Grow 4970RR	70.9	67.5	66.0	9/09	1.0	1.0	30
Progeny 4949RR	70.4	68.6	66.9	9/08	1.0	1.0	38
USG 74D79	69.5	•	•	9/04	1.0	1.0	28
Terral-REVTM 48R10	69.3	•	•	9/03	1.0	1.0	23
Schillinger 4880.RC	69.2	•	•	9/06	1.0	1.0	24
Delta Grow 4780RR	68.8	73.4	71.2	9/05	1.0	1.0	27
Terral-REVTM 47R11	68.1	•	•	8/30	1.0	1.0	22
Terral TV49R19	68.0	65.8	•	9/07	1.0	1.0	34
Dyna-Gro 36Y48	67.8	65.7	65.6	9/07	1.0	1.0	32
Delta King DK4968	67.7	64.3	65.8	9/04	1.5	1.0	25
Pioneer 94Y91	67.6	•	•	9/05	1.0	1.0	27
USG 74A88	67.6	68.0	•	8/31	1.0	1.0	23
Pioneer 94Y80	67.4	•	•	9/02	1.5	1.0	29
Armor 47-R33	67.1	•	•	9/06	1.0	1.0	23
ASGROW AG4903	67.0	68.9	67.1	9/06	1.0	1.0	21
Delta Grow 4870RR	67.0	69.4	•	9/03	1.0	1.0	20
Delta Grow 4975RR	66.8	65.5	64.6	9/07	1.0	1.0	32
MorSoy RT4707N	66.7	70.3	69.5	9/03	1.0	1.0	24
Delta King DK4770	66.6	66.2	•	9/05	1.0	1.0	25

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 RTs4824	65.9	•	•	9/06	1.0	1.0	32
Pioneer 94Y90	65.9	71.1	•	9/04	1.0	1.0	21
Delta King DKX049	65.7	•	•	9/03	1.0	1.0	23
ASGROW AG4907	65.5	67.2	•	9/05	1.0	1.0	26
Progeny 4706RR	65.0	66.1	66.3	8/31	1.0	1.0	24
Eagle Seed ES4818RR	64.7	64.7	•	9/09	1.3	1.0	34
USG 74E88	64.7	•	•	9/06	1.3	1.0	32
Croplan RC4877	64.6	70.2	69.4	9/05	1.0	1.0	23
S06-3929	64.6	•	•	9/04	1.0	1.0	22
ASGROW AG4703	64.5	65.7	66.3	9/03	1.0	1.0	24
Eagle Seed ES4906RR	64.5	63.0	•	9/09	1.0	1.0	34
HBK R4924	64.2	67.0	67.5	9/07	1.0	1.0	32
MorSoy RT4919N	64.0	•	•	9/03	1.0	1.0	29
Croplan RC4998	63.9	62.4	•	9/11	1.3	1.0	36
HBK R4729	63.4	•	•	9/04	1.0	1.0	27
Armor 47-G10	63.3	•	•	9/03	1.0	1.0	30
USG 7495nRS	63.3	•	•	9/05	1.0	1.0	26
ASGROW DK4866	63.0	63.4	63.3	9/05	1.0	1.0	24
Progeny 4906RR	62.2	66.6	65.1	9/05	1.0	1.0	34
Progeny 4908RR	62.1	64.3	•	9/07	1.3	1.0	36
Schillinger 4990.RC	61.4	•	•	9/07	1.3	1.0	35
Pioneer 94Y70	61.2	67.0	•	8/29	1.0	1.0	21
Schillinger 478.RCS	61.2	64.7	•	9/04	1.0	1.0	22
Channel 4A82RS	60.6	•	•	8/31	1.0	1.0	26
Armor 47-F8	60.5	65.0	•	9/04	1.0	1.0	21
Croplan RC4757	60.2	67.7	68.2	9/04	1.0	1.0	26
Dyna-Gro 37P49	59.6	62.2	62.9	9/03	1.0	1.0	35
MorSoy RT4914N	58.9	63.4	65.8	9/06	1.5	1.0	32
Terral-REVTM 47R21	58.9	•	•	8/31	1.0	1.0	21
Schillinger 499.RC	58.3	•	•	9/07	1.5	1.0	33
Armor ARX0471	57.3	•	•	9/06	1.0	1.0	22
MorSoy RTs4955N	57.3	63.0	63.2	9/07	1.0	1.0	25
Deltapine DP4888RR/S	56.0	62.9	62.7	9/03	1.0	1.0	28
Channel 4A81RS	55.7	62.0	•	9/03	1.0	1.0	27
Delta Grow 4770RR	55.6	62.4	62.5	8/30	1.0	1.0	27
Armor ARX0473	55.1	•	•	9/02	1.3	1.0	33
GRAND MEAN	65.0	•	•	9/05	1.1	1.0	27
L.S.D. (0.05%)	10.8	•	•	3	0.3	•	•
C.V.	11.9	•	•	7	23.5	•	•

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
ASGROW DK5068	78.3	68.8	•	09/09	2.0	1.0	37
Pioneer 95Y01	76.4	•	•	09/09	1.0	1.0	29
MorSoy RT5388N	74.8	67.5	•	09/18	1.0	1.0	25
Delta Grow 5170RR	73.8	64.9	•	09/10	1.0	1.0	23
S06-4649	70.7	•	•	09/16	1.0	1.0	29
Delta Grow 5280RR	70.1	58.4	•	09/17	1.0	1.0	23
S06-3095	69.7	•	•	09/09	1.0	1.0	23
USG 75Z38	69.0	•	•	09/14	1.0	1.0	23
Dyna-Gro 32A53	68.0	54.9	56.7	09/14	1.0	1.0	22
Progeny 5115RR	66.0	60.1	58.6	09/10	1.8	1.0	38
Delta Grow 5160RR/STS	65.3	64.2	64.1	09/11	1.3	1.0	35
Delta Grow 5300RR/STS	65.3	62.1	•	09/15	1.0	1.0	28
MorSoy RT5168N	63.1	60.5	•	09/09	2.5	1.0	35
Croplan RC5222	62.7	59.5	63.1	09/17	1.0	1.0	28
HBK R5226	62.6	54.8	57.4	09/14	1.0	1.0	26
Dyna-Gro 33B52	62.2	54.4	54.1	09/15	1.0	1.0	24
Delta Grow 5450RR	61.7	•	•	09/21	1.0	1.0	28
Eagle Seed ES5370RR	58.5	•	•	09/15	2.0	1.0	32
USG 75M16	57.6	•	•	09/16	1.0	1.0	24
Croplan RC5007	56.7	55.2	56.7	09/17	1.0	1.0	26
Progeny 5218RR	55.5	52.2	•	09/14	1.0	1.0	22
Progeny 5319RR	52.7	•	•	09/17	1.3	1.0	27
GRAND MEAN	65.5	•	•	09/14	1.2	1.0	28
L.S.D. (0.05%)	8.5	•	•	3	0.4	•	•
C.V.	9.2	•	•	5	22.8	•	•

Soil Series Hebert silt loam
 Previous Crop Grain sorghum
 Row Width 19 inches
 Planting Date 4/23
 Herbicide Applications Roundup™, 5/19; Cornerstone + Pursuit, 6/3; Cornerstone, 6/23
 Irrigation Dates 6/16, 6/24, 7/1, 7/9, 8/27
 Harvest Dates MG 4E, 9/29; MG 4L, 9/29; MG 5, 9/29

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2009	4.0	11.4	1.9	6.6	2.1	6.0	32.0
Average	5.0	4.7	3.5	3.9	2.7	3.1	22.9
Departure	- 1.0	6.7	- 1.6	2.7	- 0.6	2.9	9.1

**Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Scott Mathews Farm, Poinsett County, AR, 2009¹.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>						
Progeny 3909RR	82.5	•	• ²	1.5	1.0	42
Delta King DKX0461	81.7	•	•	1.0	1.0	34
Progeny 4606RR	80.7	83.5	76.1	0.9	1.0	26
Channel 4A65RS	79.4	•	•	1.0	1.0	32
ASGROW AG4303	78.4	73.5	•	1.0	1.0	26
Armor 46-N7	77.1	•	•	1.0	1.0	36
S06-10572	77.1	•	•	1.8	1.0	34
USG 74A45	77.0	80.2	•	1.5	1.5	37
Terral-REVTM 45R10	75.9	•	•	1.3	1.4	38
Delta King DKR 4744s	75.3	•	•	1.0	1.0	36
Pioneer 94Y20	75.3	•	•	1.8	1.0	31
Croplan RC4455	74.3	79.2	•	1.4	1.3	36
Schillinger 457.RCP	74.3	78.8	•	1.5	1.0	39
Armor ARX0432	74.2	•	•	1.0	1.0	34
Terral-REVTM 44R11	73.8	•	•	1.0	1.0	35
Croplan RC4417	73.6	71.5	•	1.8	1.3	40
Schillinger 458.RCS	73.3	79.1	•	1.0	1.0	34
ASGROW AG4405	72.9	76.3	•	1.0	1.0	28
Dyna-Gro 36C44	72.7	•	•	1.0	1.0	26
ASGROW AG3803	72.5	•	•	1.5	1.3	33
Delta Grow 4150RR	72.0	76.0	71.8	1.3	1.0	36
MorSoy RT4485N	71.9	77.4	76.6	1.8	1.0	37
ASGROW DKB46-51	71.4	82.9	81.0	1.0	1.0	32
Armor ARX0431	71.3	•	•	1.0	1.0	34
Armor 42-M1	71.0	74.2	•	1.0	1.0	31
Terral-REVTM 46R11	70.8	•	•	1.5	1.0	36
ASGROW AG4605	70.4	75.3	•	1.0	1.0	31
Dyna-Gro 33Y45	70.1	77.7	•	1.3	1.0	30
ASGROW AG4606	70.0	74.1	•	1.0	1.0	31
ASGROW AG4005	69.6	•	•	1.0	1.0	26
HBK R4527	69.5	77.4	•	1.7	1.0	39
Progeny 4206RR	69.5	70.8	68.6	1.0	1.0	31
Delta Grow 4470RR/STS	68.8	73.2	•	1.0	1.0	27
USG 74B58	68.1	•	•	1.0	1.0	25
Croplan RC4207	67.8	72.3	•	0.9	1.0	32
Dyna-Gro 32R46	67.8	79.6	•	1.0	1.0	30
USG 74C69	67.8	•	•	1.8	1.0	39
Delta King DK4560	67.5	75.9	•	1.5	1.3	35

**Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Scott Mathews Farm, Poinsett County, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>						
Terral TV46R15	66.8	•	• ²	1.5	1.0	36
HBK R3927	65.7	64.5	66.0	1.8	1.0	39
Progeny 4508RR	64.5	74.5	•	1.0	1.3	33
Terral TV46R19	62.9	72.7	•	1.0	1.0	37
GRAND MEAN	72.3	•	•	1.2	1.1	33
L.S.D. (0.05%)	10.1	•	•	0.5	0.3	•
C.V.	10.0	•	•	27.3	19.7	•

Maturity Group IV Late (RM 4.7 to 4.9)

Progeny 4807RR	82.4	88.0	90.3	1.0	1.0	35
Armor 47-R33	79.9	•	•	1.0	1.0	32
Schillinger 4990.RC	79.9	•	•	1.0	1.0	38
Armor 47-G10	79.8	•	•	1.0	1.0	37
HBK R4924	79.3	87.2	86.6	2.0	1.0	44
Schillinger 4880.RC	78.9	•	•	1.0	1.0	34
MorSoy RT4914N	78.8	83.1	80.3	1.3	1.0	42
Pioneer 94Y91	78.2	•	•	1.0	1.0	35
HBK R4727	77.7	87.5	90.7	1.0	1.0	40
Pioneer 94Y80	77.4	•	•	1.3	1.3	34
Armor ARX0473	77.3	•	•	1.0	1.0	35
Delta Grow 4970RR	76.9	80.7	80.1	1.3	1.0	40
Delta King DKX049	76.9	•	•	1.0	1.0	39
Schillinger 495.RC	76.9	81.8	82.6	1.3	1.3	40
Eagle Seed ES4818RR	76.3	83.5	•	1.0	1.0	40
Progeny 4908RR	76.1	78.2	•	1.0	1.0	35
USG 7495nRS	76.0	•	•	1.0	1.0	38
Delta King DK4968	75.8	77.2	78.3	1.3	1.0	37
Delta Grow 4975RR	75.3	83.1	84.5	1.0	1.0	32
MorSoy RT4707N	75.3	89.1	87.1	1.0	1.0	37
MorSoy RTs4955N	75.1	82.0	82.5	1.0	1.0	36
Progeny 4906RR	75.1	86.4	86.7	1.0	1.0	37
Terral-REVTM 47R21	75.1	•	•	1.0	1.0	27
Deltapine DP4888RR/S	74.9	84.3	83.0	1.0	1.0	37
Schillinger 499.RC	74.9	•	•	1.0	1.0	40
Croplan RC4955	74.3	83.3	85.1	1.0	1.0	45
Delta King DK4770	74.2	79.7	•	1.0	1.0	37

**Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains,
Scott Mathews Farm, Poinsett County, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>						
Armor ARX0471	74.1	•	•	1.0	1.0	37
Eagle Seed ES4991RR	73.9	82.2	•	1.0	1.0	33
HBK R4729	73.5	•	•	1.3	1.0	32
Schillinger 478.RCS	73.4	81.3	•	1.3	1.0	36
Croplan RC4998	73.2	85.3	•	1.0	1.0	40
Progeny 4949RR	73.2	78.1	76.8	1.3	1.0	36
USG 74D79	73.1	•	•	1.0	1.0	32
Delta Grow 4780RR	73.0	84.2	84.7	1.3	1.0	34
Croplan RC4877	72.7	86.6	88.0	1.7	1.0	37
ASGROW DK4866	72.6	88.8	88.7	1.3	1.0	38
Dyna-Gro 37P49	72.5	82.9	84.0	1.0	1.0	34
MorSoy RTs4824	71.9	•	•	1.0	1.0	34
Channel 4A81RS	71.9	89.9	•	1.0	1.0	37
Terral-REVTM 48R10	71.7	•	•	2.0	1.3	37
MorSoy RT4919N	71.3	•	•	1.0	1.0	34
Eagle Seed ES4906RR	71.2	82.1	•	1.0	1.0	40
USG 74A88	71.2	87.5	•	1.0	1.0	34
Terral TV47R18	71.1	76.6	•	1.3	1.0	42
ASGROW AG4703	71.0	85.3	81.1	1.0	1.0	30
ASGROW AG4903	70.7	84.0	86.4	1.0	1.0	35
ASGROW AG4907	70.7	83.0	•	1.5	1.0	36
Dyna-Gro 36Y48	70.7	82.7	82.9	1.0	1.0	38
S06-3929	70.4	•	•	1.0	1.0	33
Pioneer 94Y90	69.7	81.9	•	1.0	1.0	36
MorSoy RTs4706N	69.3	80.3	81.1	1.0	1.0	29
Pioneer 94Y70	69.2	78.5	•	1.0	1.0	38
Delta Grow 4870RR	68.4	85.3	•	1.3	1.0	33
Progeny 4706RR	68.4	81.3	78.2	1.5	1.0	32
USG 74E88	68.4	•	•	1.0	1.0	35
Channel 4A82RS	68.1	•	•	1.0	1.0	32
Terral-REVTM 47R11	67.4	•	•	1.0	1.0	32
Delta Grow 4770RR	66.9	77.5	73.8	1.7	1.0	30
Armor 47-F8	65.7	77.4	•	1.0	1.0	30
Croplan RC4718S	65.7	•	•	1.0	1.0	28
Croplan RC4757	65.3	82.5	80.1	1.0	1.0	31
Terral TV49R19	62.7	74.0	•	1.0	1.0	38
GRAND MEAN	73.2	•	•	1.1	1.0	36
L.S.D. (0.05%)	7.0	•	•	0.4	0.2	•
C.V.	6.9	•	•	23.8	11.3	•

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Scott Mathews Farm, Poinsett County, AR, 2009¹, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Lodging Score	Shatter Score	Plant Height
.....bu./A.....						
<u>Maturity Group V (RM 5.0 to 5.3)</u>						
S06-4649	85.9	•	•	1.8	1.0	34
Croplan RC5007	79.1	81.0	77.6	1.0	1.0	33
MorSoy RT5168N	78.9	84.0	•	1.3	1.0	35
Dyna-Gro 33B52	78.3	74.5	71.6	1.0	1.0	27
Delta Grow 5280RR	78.1	79.8	•	1.0	1.0	29
S06-3095	77.9	•	•	1.0	1.0	30
USG 75238	77.9	•	•	1.0	1.0	29
Delta Grow 5300RR/STS	77.4	79.3	•	1.0	1.0	32
Progeny 5218RR	76.8	84.2	•	1.0	1.0	28
Croplan RC5222	76.6	79.5	75.6	1.0	1.0	34
MorSoy RT5388N	76.0	85.5	•	1.0	1.0	32
Dyna-Gro 32A53	75.9	77.7	75.1	1.0	1.0	29
USG 75M16	75.7	•	•	1.0	1.0	29
Progeny 5115RR	75.3	78.2	74.6	1.0	1.0	39
Delta Grow 5450RR	75.2	•	•	1.0	1.0	35
HBK R5226	74.3	81.6	81.3	1.0	1.0	30
ASGROW DK5068	72.7	80.1	•	1.0	1.0	37
Delta Grow 5160RR/STS	70.9	77.9	72.2	1.3	1.0	36
Pioneer 95Y01	70.3	•	•	1.0	1.0	34
Progeny 5319RR	67.0	•	•	2.0	1.0	35
Eagle Seed ES5370RR	62.5	•	•	1.3	1.0	36
Delta Grow 5170RR	57.9	78.4	•	1.0	1.0	29
GRAND MEAN	74.6	•	•	1.1	1.0	32
L.S.D. (0.05%)	7.1	•	•	0.3	•	•
C.V.	6.8	•	•	19.9	•	•

¹Repeated rains delayed planting of tests at this location until May 19.

²Average yield for 2006, 2008 and 2009

Soil Series	Henry silt loam
Previous Crop	Soybean
Fertilizer Applied	0-27-75 + 2 B
Row Width	15 inches
Planting Date	5/19
Herbicide Applications	Touchdown + Prefix, 4/21; Roundup™ Power Max, 6/19
Insecticide Application	Karate, 7/19
Irrigation Dates	None
Harvest Dates	MG 4E, 10/19; MG 4L, 10/19; MG 5, 10/26

2009	Precipitation (inches)					Total
	May	June	July	August	September	
	6.5	5.2	9.4	4.0	9.6	34.7

Table 6. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009^{1,2}.

Variety/Experimental Line	bu./A.....				All-Location Average
	Keiser Irrigated	Keiser Nonirrigated	Keiser Double-Crop Irrigated	Rohwer ³ Irrigated	
Maturity Group IV Early (RM 4.0 to 4.6)					
AgVenture AV45X5RR	66.6	71.8	73.9	46.1	64.6
Armor 42-M1	69.0	67.7	70.9	40.9	62.1
Armor 46-N7	68.7	68.0	71.3	36.2	61.1
Armor ARX0431	72.3	59.1	69.5	39.0	60.0
Armor ARX0432	71.1	61.0	73.3	39.4	61.2
ASGROW AG4005	61.9	55.4	68.5	38.9	56.2
ASGROW AG4303	67.4	62.3	70.0	43.8	60.9
ASGROW AG4605	76.9	72.3	73.1	48.8	67.8
ASGROW AG4606	68.5	59.4	61.5	37.6	56.8
ASGROW DKB46-51	68.3	66.1	68.5	39.1	60.5
Channel 4A65RS	68.2	65.7	71.6	47.8	63.3
Delta Grow 4150RR	66.8	66.5	70.2	37.7	60.3
Delta Grow 4470RR/STS	63.9	65.6	71.5	35.7	59.2
Delta King DK4560	65.3	58.1	70.0	48.2	60.4
Delta King DKR 4744s	69.6	66.3	77.9	52.7	66.6
Delta King DKX0461	72.0	68.3	82.0	54.7	69.3
Dyna-Gro 32R46	70.4	66.9	72.8	49.6	64.9
Dyna-Gro 33Y45	71.4	62.3	68.5	49.0	62.8
Dyna-Gro 36C44	65.8	61.5	67.4	46.0	60.2
HBK R3927	50.3	59.0	65.0	31.3	51.4
HBK R4527	68.6	55.8	69.2	47.1	60.2
MorSoy RT4485N	57.9	65.8	61.9	41.4	56.8
MPG 4509nRR/STS	64.2	66.0	72.3	44.7	61.8
NK S46-U6 Brand	69.6	70.4	73.0	43.0	64.0
Pioneer 93Y92	55.1	54.9	67.2	36.8	53.5
Pioneer 94Y01	60.7	53.4	62.2	31.9	52.1
Pioneer 94Y20	60.4	59.2	64.5	34.8	54.7
Pioneer 94Y60	67.3	62.9	59.9	42.7	58.2
Progeny 4206RR	62.9	60.0	72.2	50.1	61.3
Progeny 4508RR	69.1	61.0	73.7	35.4	59.8
Progeny 4606RR	71.3	70.0	76.2	50.5	67.0
S06-10572	70.3	73.6	68.7	51.2	66.0
Schillinger 457.RCP	70.4	62.8	65.1	40.4	59.7
Schillinger 458.RCS	66.7	69.7	68.2	52.0	64.2
Terral TV46R15	69.3	68.7	69.2	45.8	63.3

Table 6. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009^{1,2}, Continued.

Variety/Experimental Line	Keiser		Keiser	Rohwer ³	All-
	Irrigated	Nonirrigated	Double-Crop Irrigated	Irrigated	Location Average
.....bu./A.....					
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>					
Terral TV46R19	64.8	56.4	64.8	35.5	55.4
Terral-REVTM 44R11	64.1	61.4	75.7	47.7	62.2
Terral-REVTM 45R10	70.1	66.1	64.7	38.5	59.9
Terral-REVTM 46R11	71.0	62.8	67.7	42.3	61.0
USG 74A45	60.6	61.6	63.2	44.5	57.5
USG 74A69	70.4	67.2	81.0	57.9	69.1
USG 74C69	68.1	62.8	68.3	47.3	61.6
VP Maxx VPM44X1RR	61.8	57.6	72.4	40.3	58.0
Willcross RR2446N	61.2	66.4	66.1	44.8	59.6
GRAND MEAN	66.6	63.6	69.7	43.4	60.8
L.S.D. (0.05 %)	8.3	7.2	7.2	9.7	•
C.V. (%)	7.7	6.9	6.4	11.1	•

¹ 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.

²MG IV Early tests were also established at Marianna and Stuttgart but were discarded because of poor uniformity and low yields due to heavy and persistent rains.

³Yields at this location were reduced by heavy and persistent rains.

**Table 7. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains
at All Locations, 2009^{1,2}.**

Variety/Experimental Line	Keiser		Keiser	Stuttgart	Clay ³	All-
	Irrigated	Nonirrigated	Double-Crop Irrigated	Irrigated	Average	Location Average
.....bu./A.....						
Maturity Group IV Late (RM 4.7 to 4.9)						
AgVenture AV47G3NRR	74.5	68.4	62.4	69.4	68.4	68.7
AgVenture AVEXA49B	68.9	69.1	69.2	80.5	69.1	71.9
Armor 47-F8	70.6	70.6	58.2	77.3	66.5	69.2
Armor 47-G10	76.7	73.0	68.6	70.1	72.8	72.1
Armor 47-R33	78.5	77.5	76.3	79.8	77.4	78.0
Armor ARX0471	79.2	74.1	81.2	82.3	78.2	79.2
Armor ARX0473	75.3	69.5	64.6	66.3	69.8	68.9
ASGROW AG4703	69.2	69.6	67.5	79.6	68.8	71.5
ASGROW AG4903	68.3	73.7	78.2	80.3	73.4	75.1
ASGROW AG4907	78.7	70.7	67.3	77.0	72.2	73.4
ASGROW DK4866	75.0	68.9	77.9	77.8	73.9	74.9
Channel 4A81RS	76.2	73.1	77.7	76.7	75.7	75.9
Delta Grow 4770RR	71.4	66.2	72.0	75.4	69.9	71.3
Delta Grow 4780RR	73.0	68.4	70.4	69.2	70.6	70.3
Delta Grow 4790RR2	79.6	72.5	78.0	85.8	76.7	79.0
Delta Grow 4870RR	70.1	66.3	75.6	68.6	70.7	70.2
Delta Grow 4970RR	69.3	74.4	65.6	76.9	69.8	71.6
Delta Grow 4975RR	79.1	73.7	73.0	84.2	75.3	77.5
Delta King DK4770	73.0	67.7	66.8	69.7	69.2	69.3
Delta King DK4968	70.6	69.8	70.5	77.3	70.3	72.1
Delta King DKX049	68.8	68.5	72.1	69.8	69.8	69.8
Deltapine DP4888RR/S	74.2	66.1	70.8	73.3	70.4	71.1
Dyna-Gro 32P48	70.4	65.1	73.3	72.2	69.6	70.3
Dyna-Gro 36Y48	74.0	67.2	57.7	83.5	66.3	70.6
Dyna-Gro 37P49	76.7	68.1	73.9	81.7	72.9	75.1
Dyna-Gro V47N9RS	67.2	59.4	58.2	61.4	61.6	61.6
Dyna-Gro V48N7RS	69.9	64.3	69.6	73.2	67.9	69.3
Eagle Seed ES4777RR	71.5	70.3	70.5	69.9	70.8	70.6
Eagle Seed ES4922RR	59.3	64.4	58.2	63.0	60.6	61.2
HBK R4727	71.9	61.0	67.1	74.7	66.7	68.7
HBK R4729	63.2	64.3	68.6	79.7	65.4	69.0
HBK R4924	63.5	65.9	56.3	66.6	61.9	63.1
JGL 481	68.4	67.9	71.6	71.1	69.3	69.8
JGL 482	76.1	74.1	76.3	74.7	75.5	75.3
JGL 483	69.9	65.6	68.4	77.2	68.0	70.3

**Table 7. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains
at All Locations, 2009^{1,2}, Continued.**

Variety/Experimental Line	Keiser		Keiser	Stuttgart	Clay ³	All-
	Irrigated	Nonirrigated	Double-Crop Irrigated	Irrigated	Average	Location Average
.....bu./A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>						
Legacy 47-57RR	67.5	62.0	57.5	73.3	62.3	65.1
MorSoy RT4707N	69.9	65.8	68.9	76.2	68.2	70.2
MorSoy RT4914N	73.4	75.9	68.2	75.7	72.5	73.3
MorSoy RT4919N	68.8	70.1	62.5	77.3	67.1	69.7
MorSoy RTs4706N	64.3	69.1	60.2	73.6	64.5	66.8
MorSoy RTs4824	74.1	72.1	78.4	79.5	74.9	76.0
MorSoy RTs4955N	74.6	69.3	70.5	79.1	71.5	73.4
MPG 4705nRR	67.1	63.2	68.5	68.2	66.3	66.8
MPG 4808RR	71.8	67.3	65.9	77.4	68.3	70.6
MPG 4907nRR/STS	75.2	68.1	68.9	83.8	70.7	74.0
MPG 4909nRR	70.9	70.2	74.5	77.9	71.9	73.4
NK S47-D9 Brand	65.1	65.0	54.3	67.9	61.5	63.1
NK S48-C9 Brand	71.4	55.7	65.9	74.7	64.3	66.9
NK S49-H7 Brand	63.9	66.6	62.7	67.8	64.4	65.3
Pioneer 94Y70	69.4	65.6	67.1	77.8	67.4	70.0
Pioneer 94Y80	69.7	73.3	61.8	80.8	68.3	71.4
Pioneer 94Y90	70.0	75.0	64.3	75.5	69.8	71.2
Pioneer 94Y91	75.3	72.3	65.1	74.1	70.9	71.7
Progeny 4706RR	71.7	70.8	71.8	75.4	71.4	72.4
Progeny 4807RR	73.8	69.3	71.9	75.4	71.7	72.6
Progeny 4906RR	75.7	71.2	74.1	85.0	73.7	76.5
Progeny 4908RR	71.3	65.0	66.0	84.1	67.4	71.6
Progeny 4949RR	72.1	67.2	72.0	73.3	70.4	71.2
S06-3929	64.1	64.3	58.5	60.8	62.3	61.9
Schillinger 478.RCS	75.9	73.2	71.3	74.1	73.5	73.6
Schillinger 4880.RC	70.2	73.0	79.7	74.2	74.3	74.3
Schillinger 495.RC	73.6	73.7	73.1	74.4	73.5	73.7
Schillinger 499.RC	70.8	71.4	73.8	70.7	72.0	71.7
Schillinger 4990.RC	69.7	75.7	74.1	70.7	73.2	72.6
Stine 4782-4	71.7	68.9	62.1	74.2	67.6	69.2
Terral TV47R18	67.7	62.4	66.2	70.5	65.4	66.7
Terral TV49R19	65.0	63.8	59.6	69.5	62.8	64.5
Terral-REVTM 47R11	71.5	65.5	65.0	81.5	67.3	70.9
Terral-REVTM 47R21	68.5	65.5	64.8	73.3	66.3	68.0
Terral-REVTM 48R10	70.9	67.0	67.9	78.1	68.6	71.0

**Table 7. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains
at All Locations, 2009^{1,2}, Continued.**

Variety/Experimental Line	bu./A.....					
	Keiser Irrigated	Keiser Nonirrigated	Keiser Double-Crop Irrigated	Stuttgart Irrigated	Clay ³ Average	All- Location Average
Terral-REVTM 49R10	75.8	71.3	74.0	75.6	73.7	74.2
Terral-REVTM 49R11	67.5	61.6	56.8	68.4	62.0	63.6
Terral-REVTM 49R20	77.6	73.6	63.4	73.3	71.5	72.0
Terral-REVTM 49R21	67.9	64.2	57.1	68.7	63.1	64.5
USG 7495nRS	73.9	70.7	73.2	79.5	72.6	74.3
USG 74A79	78.1	73.2	82.4	84.1	77.9	79.5
USG 74A88	70.1	70.4	74.1	71.5	71.5	71.5
USG 74A91	76.6	70.6	65.8	83.0	71.0	74.0
USG 74D79	70.7	66.8	63.1	76.1	66.9	69.2
USG 74E88	65.6	57.8	55.4	66.8	59.6	61.4
USG 74F96	71.3	70.9	71.7	80.2	71.3	73.5
USG 74G78	68.8	63.4	69.2	69.0	67.1	67.6
VP Maxx VPM49X1RR	73.8	74.2	67.3	72.5	71.8	72.0
Willcross RR2470NSTS	65.2	58.7	56.7	64.8	60.2	61.4
Willcross RR2477NSTS	70.6	63.3	61.6	74.9	65.2	67.6
Willcross RR2484N	66.7	63.0	69.4	54.5	66.4	63.4
Willcross RR2490NSTS	76.7	73.7	67.2	69.8	72.5	71.9
Willcross RR2498NSTS	75.9	72.7	64.5	80.5	71.0	73.4
Willcross RR2878NSTS	65.7	55.0	58.4	61.8	59.7	60.2
GRAND MEAN	71.3	68.3	67.9	74.3	69.2	70.5
L.S.D. (0.05 %)	3.9	6.9	9.5	8.0	•	•
C.V. (%)	3.4	6.2	8.7	6.7	•	•

¹ 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 MG IV Late tests were also established at Marianna and Rohwer but were discarded because of poor uniformity and low yields due to heavy and persistent rains.

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

Table 8. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009¹.

Variety/Experimental Line	Keiser		Keiser Double-Crop		Marianna ²		Stuttgart		Rohwer		Kibler		Loam		All-Location	
	Irrigated	Nonirrigated	Crop Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Average	Average	Average	Average	Average
bu./A.....																
Maturity Group V Early (RM 5.0 to 5.5)																
AGS 554RR	71.6	66.6	69.7	45.3	71.1	65.8	70.6	62.3	68.4	65.8	70.6	62.3	68.4	65.8	65.8	65.8
AgVenture AV50X6RR	78.3	67.2	69.2	39.6	72.6	52.3	71.5	61.2	66.8	64.4	71.5	61.2	66.8	64.4	64.4	64.4
AgVenture AV51X5RR/STS	72.5	69.9	69.5	47.1	70.1	63.6	67.7	61.6	68.9	65.8	67.7	61.6	68.9	65.8	65.8	65.8
AgVenture AV54X4RR	72.1	67.3	67.5	55.2	66.9	64.1	69.3	63.8	67.8	66.1	69.3	63.8	67.8	66.1	66.1	66.1
Armor 53-Z5	76.5	75.2	65.7	40.9	71.4	63.0	69.2	60.5	70.1	66.0	69.2	60.5	70.1	66.0	66.0	66.0
Armor 55-A5	78.9	75.4	71.7	55.7	75.6	68.8	73.5	68.3	73.7	71.4	73.5	68.3	73.7	71.4	71.4	71.4
ASGROW AG5301	75.4	72.4	71.3	45.0	75.4	62.2	66.1	62.2	70.3	66.8	66.1	62.2	70.3	66.8	66.8	66.8
ASGROW AG5405	75.7	74.1	73.2	42.5	75.1	63.2	66.0	61.2	71.6	67.1	66.0	61.2	71.6	67.1	67.1	67.1
ASGROW AG5503	78.1	74.1	79.9	44.4	80.4	60.8	75.8	66.9	73.2	70.5	75.8	66.9	73.2	70.5	70.5	70.5
ASGROW DK5068	75.7	62.0	69.6	40.5	69.6	51.8	74.1	61.4	64.8	63.3	74.1	61.4	64.8	63.3	63.3	63.3
Croplan RC5419	74.9	74.7	62.9	43.7	70.7	66.7	65.8	60.1	69.8	65.6	65.8	60.1	69.8	65.6	65.6	65.6
Delta Grow 5170RR	70.1	70.2	69.5	41.7	62.0	57.0	71.2	58.3	66.7	63.1	71.2	58.3	66.7	63.1	63.1	63.1
Delta Grow 5280RR	79.7	73.1	68.0	53.2	72.5	60.2	67.4	64.4	70.3	67.7	67.4	64.4	70.3	67.7	67.7	67.7
Delta Grow 5300RR/STS	73.0	70.4	63.0	48.7	74.2	54.3	68.7	63.9	65.2	64.6	68.7	63.9	65.2	64.6	64.6	64.6
Delta Grow 5555RR	76.1	73.0	66.6	50.5	78.7	59.6	70.6	66.6	68.8	67.9	70.6	66.6	68.8	67.9	67.9	67.9
Delta King DK52K6	72.6	76.6	66.1	63.4	70.3	63.4	69.5	67.7	69.7	68.8	69.5	67.7	69.7	68.8	68.8	68.8
Delta King DK 5363	75.1	62.3	67.6	55.1	70.1	58.4	69.7	65.0	65.9	65.5	69.7	65.0	65.9	65.5	65.5	65.5
Delta King GP-500	76.3	74.3	69.3	42.8	76.5	57.2	70.1	63.1	69.3	66.6	70.1	63.1	69.3	66.6	66.6	66.6
Delta King GP-533	74.3	71.7	71.1	47.9	76.0	58.5	69.5	64.5	68.9	67.0	69.5	64.5	68.9	67.0	67.0	67.0
DELTAPINE DP5335RR/S	73.7	67.5	70.6	46.0	67.2	58.0	68.8	60.7	67.5	64.5	68.8	60.7	67.5	64.5	64.5	64.5
Dyna-Gro 31R54	68.2	70.9	60.4	51.2	61.0	63.5	58.1	56.8	65.8	61.9	58.1	56.8	65.8	61.9	61.9	61.9
Dyna-Gro 32A53	77.0	71.4	69.0	49.3	74.7	62.3	65.2	63.1	69.9	67.0	65.2	63.1	69.9	67.0	67.0	67.0
Dyna-Gro 33B52	69.0	71.7	60.8	47.6	73.5	59.4	70.5	63.9	65.2	64.6	70.5	63.9	65.2	64.6	64.6	64.6
Dyna-Gro 33X55	74.7	65.8	64.9	53.3	76.3	62.5	69.3	66.3	67.0	66.7	69.3	66.3	67.0	66.7	66.7	66.7

Table 8. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009¹, Continued.

Variety/Experimental Line	Keiser		Keiser Double-Crop		Marianna ²		Stuttgart		Rohwer		Kibler		Loam		Clay ⁴		All-Location Average
	Irrigated	Nonirrigated	Crop Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Average	Location	Average	Location	
Dyna-Gro 35F55	74.4	74.3	62.6	47.7	70.7	63.7	75.1	64.5	68.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
Dyna-Gro V51N7RS	75.4	71.6	69.6	49.1	75.0	54.0	73.3	65.8	67.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
Eagle Seed ES5507RR	68.8	67.9	64.3	50.5	68.4	52.6	66.2	61.7	63.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
Eagle Seed ES5519RR	62.3	66.7	59.8	54.2	68.5	51.8	66.0	62.9	60.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
HBK R5226	79.8	70.6	65.9	58.0	69.5	69.0	71.8	66.4	71.3	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
HBK R5229	68.6	62.6	60.8	48.6	66.2	56.4	61.8	58.9	62.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
HBK R5425	62.4	63.2	57.9	48.6	61.6	55.9	59.2	56.5	59.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
HBK R5525	74.5	68.7	64.2	51.9	73.6	66.3	68.9	64.8	68.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
Legacy 54-17RR/STS	67.1	67.2	64.5	55.3	61.6	57.3	66.8	61.2	64.0	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
Legacy 55-56RR	68.7	68.7	60.4	51.4	80.6	52.0	68.1	66.7	62.5	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
MorSoy RT5168N	72.6	72.4	63.0	42.4	68.5	49.1	71.3	60.7	64.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
MorSoy RT5229N	69.1	66.2	56.1	49.0	70.5	55.3	61.2	60.2	61.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
MorSoy RT5388N	73.4	71.0	69.9	64.3	64.1	62.9	73.6	67.3	69.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
MorSoy RT5429N	81.8	77.4	76.2	55.8	79.7	70.7	73.9	69.8	76.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
MPG 5308nRR	77.7	70.4	68.5	44.3	77.5	65.7	69.3	63.7	70.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
MPG 5407nRR	64.2	68.6	59.7	45.9	62.7	54.1	65.3	58.0	61.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
MPG 5505nRR/STS	74.7	68.7	70.7	46.9	72.5	61.1	73.0	64.1	68.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
N-ADR52718	71.9	65.0	70.9	43.2	71.9	51.1	68.3	61.1	64.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
N-ADR55806	78.7	75.8	74.8	43.1	79.1	59.7	83.3	68.5	72.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
NK S52-F2 Brand	72.9	72.3	67.7	50.7	67.2	64.0	68.6	62.2	69.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
NK S54-M7 Brand	72.4	69.0	67.0	56.5	76.0	59.7	66.9	66.5	67.0	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
Pioneer 95Y01	79.2	73.0	68.6	52.7	70.0	51.3	70.6	64.4	68.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
Pioneer 95Y30	75.4	68.4	65.0	40.3	73.0	57.7	70.6	61.3	66.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
Pioneer 95Y40	80.5	74.3	73.4	49.5	79.8	64.5	65.3	64.9	73.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6

Maturity Group V Early (RM 5.0 to 5.5) Continued

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

Table 8. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009¹, Continued.

Variety/Experimental Line	Keiser		Keiser Double-Crop		Marianna ²		Stuttgart		Rohwer		Kibler		Loam		Clay ⁴		All-Location	
	Irrigated	Nonirrigated	Keiser Irrigated	Keiser Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Average	Standard Deviation	Average	Standard Deviation	Average	Standard Deviation
Progeny 5115RR	75.5	71.0	64.2	64.2	44.5	44.5	73.9	73.9	57.4	57.4	74.6	74.6	64.3	64.3	67.0	67.0	65.9	65.9
Progeny 5218RR	81.1	73.0	72.1	72.1	54.5	54.5	70.2	70.2	62.9	62.9	66.7	66.7	63.8	63.8	72.3	72.3	68.6	68.6
Progeny 5309RR	68.3	72.6	66.1	66.1	52.3	52.3	61.3	61.3	55.0	55.0	66.2	66.2	59.9	59.9	65.5	65.5	63.1	63.1
Progeny 5319RR	77.0	72.3	62.0	62.0	48.8	48.8	73.4	73.4	63.7	63.7	69.9	69.9	64.0	64.0	68.8	68.8	66.7	66.7
Progeny 5409RR	73.6	73.0	70.6	70.6	51.1	51.1	68.2	68.2	48.7	48.7	61.4	61.4	60.2	60.2	66.5	66.5	63.8	63.8
S06-3027	72.7	68.2	59.5	59.5	37.7	37.7	67.3	67.3	58.4	58.4	66.7	66.7	57.2	57.2	64.7	64.7	61.5	61.5
S06-3095	73.2	74.3	62.2	62.2	48.6	48.6	73.8	73.8	58.0	58.0	72.0	72.0	64.8	64.8	66.9	66.9	66.0	66.0
Schillinger 5440.RC	77.7	71.6	64.3	64.3	46.1	46.1	71.4	71.4	43.4	43.4	72.5	72.5	63.3	63.3	64.3	64.3	63.9	63.9
Schillinger 557.RCP	77.9	75.2	67.9	67.9	54.5	54.5	63.7	63.7	55.2	55.2	69.1	69.1	62.4	62.4	69.1	69.1	66.2	66.2
Stine EXP 5.4R1	76.5	68.0	69.6	69.6	47.0	47.0	74.0	74.0	56.7	56.7	71.2	71.2	64.1	64.1	67.7	67.7	66.1	66.1
Terral TV52R79	76.6	75.8	72.4	72.4	55.6	55.6	66.6	66.6	51.2	51.2	70.7	70.7	64.3	64.3	69.0	69.0	67.0	67.0
Terral TV54R28	73.0	68.9	64.3	64.3	50.2	50.2	73.8	73.8	54.2	54.2	66.7	66.7	63.6	63.6	65.1	65.1	64.4	64.4
Terral TV55R15	75.9	72.9	59.1	59.1	54.7	54.7	73.9	73.9	65.4	65.4	67.6	67.6	65.4	65.4	68.3	68.3	67.1	67.1
Terral TV55R20	75.0	72.1	64.1	64.1	50.5	50.5	70.6	70.6	64.1	64.1	71.6	71.6	64.2	64.2	68.8	68.8	66.9	66.9
Terral-REVTM 53R11	71.1	70.2	69.8	69.8	48.8	48.8	67.8	67.8	59.7	59.7	62.1	62.1	59.6	59.6	67.7	67.7	64.2	64.2
Terral-REVTM 53R21	73.5	73.4	65.8	65.8	43.6	43.6	62.3	62.3	55.7	55.7	64.5	64.5	56.8	56.8	67.1	67.1	62.7	62.7
Terral-REVTM 54R10	78.0	73.8	64.4	64.4	55.3	55.3	74.4	74.4	64.6	64.6	68.3	68.3	66.0	66.0	70.2	70.2	68.4	68.4
Terral-REVTM 55R11	72.2	68.3	69.8	69.8	41.7	41.7	76.5	76.5	65.0	65.0	69.9	69.9	62.7	62.7	68.8	68.8	66.2	66.2

Maturity Group V Early (RM 5.0 to 5.5) Continued

Table 8. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009¹, Continued.

Variety/Experimental Line	Keiser		Keiser Double-Crop		Marianna ²		Stuttgart		Rohwer		Kibler		Loam		Clay ⁴		All-Location Average
	Irrigated	Nonirrigated	Crop Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Average	Average	Average	Average		
.....bu./A.....																	
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>																	
USG 7553nRS	73.8	71.2	70.8	47.5	70.3	63.5	71.6	63.1	69.8	67.0							
USG 75M49	77.3	72.6	60.6	52.8	80.8	44.8	67.8	67.1	63.8	65.2							
Willcross RR2542N	68.0	67.2	64.2	53.0	64.5	56.2	61.2	59.6	63.9	62.0							
Willcross RR2544NSTS	74.7	67.4	70.5	48.0	73.8	64.6	69.2	63.7	69.3	66.9							
Willcross RR2547N	64.7	62.3	62.2	48.2	61.0	59.0	63.1	57.4	62.1	60.1							
GRAND MEAN	73.8	70.5	66.7	49.1	71.2	59.0	68.8	63.0	67.5	65.6							
L.S.D. (0.05 %)	5.2	6.5	5.9	10.8	6.4	6.7	7.4	•	•	•							
C.V. (%)	4.4	5.7	5.5	13.6	5.6	7.1	6.7	•	•	•							

¹ 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.
²Yields at this location were reduced due to heavy and persistent rains. The possibility of reduced yields due to Root-knot nematodes is also being investigated.
³Average yields from Marianna Irrigated, Stuttgart Irrigated and Kibler Irrigated.
⁴Average yields from Keiser Irrigated, Keiser Nonirrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 9. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009¹.

Variety/Experimental Line	Keiser		Keiser Double-Crop		Stuttgart		Rohwer		Kibler		Silt ³		All-Location	
	Irrigated	Nonirrigated	Crop Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Average	Average	Average	Average	Average
.....bu./A.....														
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>														
AGS 568RR	70.1	70.1	68.6	52.8	73.8	62.7	68.6	65.1	67.9	66.7	66.7	66.7	66.7	66.7
AGS 597	70.2	77.6	68.9	56.1	74.0	71.8	71.1	67.1	72.1	70.0	70.0	70.0	70.0	70.0
AGS 606RR	67.2	70.1	63.2	48.3	66.8	64.1	65.0	60.0	66.2	63.5	63.5	63.5	63.5	63.5
ASGROW AG5605	71.8	74.3	67.6	53.0	76.8	68.8	70.5	66.8	70.6	69.0	69.0	69.0	69.0	69.0
ASGROW AG5606	76.4	73.8	72.1	54.0	80.3	62.8	66.4	66.9	71.3	69.4	69.4	69.4	69.4	69.4
ASGROW AG5905	66.5	69.5	64.1	50.3	72.9	50.0	66.7	63.3	62.5	62.9	62.9	62.9	62.9	62.9
Channel 5651	69.1	73.6	69.0	47.9	73.5	51.7	66.6	62.7	65.9	64.5	64.5	64.5	64.5	64.5
Croplan RC5663	74.4	72.5	72.5	55.3	73.5	66.2	72.7	67.2	71.4	69.6	69.6	69.6	69.6	69.6
Delta Grow 5970RR	62.1	69.8	66.0	46.9	72.9	57.3	70.2	63.3	63.8	63.6	63.6	63.6	63.6	63.6
DELTA PINE DP5915RR	70.4	73.4	65.1	56.8	72.0	60.6	64.7	64.5	67.4	66.1	66.1	66.1	66.1	66.1
Dyna-Gro 32B57	65.6	67.9	68.4	49.9	66.6	65.7	71.3	62.6	66.9	65.1	65.1	65.1	65.1	65.1
Dyna-Gro 33C59	72.2	74.3	66.1	57.6	83.2	67.8	71.8	70.9	70.1	70.4	70.4	70.4	70.4	70.4
HBK R5825	68.3	71.0	73.1	51.1	69.8	69.1	65.5	62.1	70.4	66.8	66.8	66.8	66.8	66.8
MorSoy RT5688N	74.2	75.3	66.5	53.9	77.4	71.9	70.2	67.2	72.0	69.9	69.9	69.9	69.9	69.9
N-ADR56203	68.9	71.3	66.8	57.3	76.7	57.2	68.7	67.6	66.1	66.7	66.7	66.7	66.7	66.7
NK S56-L5 Brand	69.3	70.2	68.5	52.1	74.6	64.1	68.0	64.9	68.0	66.7	66.7	66.7	66.7	66.7
Pioneer 95Y70	73.8	72.6	66.2	48.2	70.3	65.3	71.1	63.2	69.5	66.8	66.8	66.8	66.8	66.8
Progeny 5622RR	68.9	71.8	70.4	56.4	71.7	57.5	71.0	66.4	67.2	66.8	66.8	66.8	66.8	66.8
Progeny 5650RR	72.6	70.5	63.1	46.7	70.8	64.0	64.2	60.6	67.6	64.6	64.6	64.6	64.6	64.6
Progeny 5706RR	69.0	71.6	67.0	54.1	74.4	66.3	72.3	66.9	68.5	67.8	67.8	67.8	67.8	67.8

Table 9. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2009¹, Continued.

Variety/Experimental Line	Keiser		Keiser Double-Crop		Marianna ²		Stuttgart		Rohwer		Kibler		Silt ³		All-Location	
	Irrigated	Nonirrigated	Irrigated	Crop Irrigated	Irrigated	Crop Irrigated	Irrigated	Crop Irrigated	Irrigated	Crop Irrigated	Irrigated	Crop Irrigated	Average	Loam	Average	Average
.....bu./A.....																
<u>Maturity Group V Late (RM 5.6 to 5.9) Continued</u>																
Terral TV57R16	68.4	66.6	62.2	48.0	72.4	65.9	64.2	61.5	65.8	64.0						
Terral TV59R16	74.5	73.9	67.1	55.2	78.7	70.9	71.0	68.3	71.6	70.2						
USG 7582hRR	66.7	67.2	64.8	50.8	74.3	53.8	65.6	63.6	63.1	63.3						
USG 75Z98	72.2	72.5	62.7	54.7	77.4	69.4	71.4	67.8	69.2	68.6						
USG ALLEN	70.0	69.6	65.7	53.6	74.7	55.9	68.4	65.6	65.3	65.4						
GRAND MEAN	70.1	71.6	67.0	52.4	74.0	63.2	68.7	65.0	68.0	66.7						
L.S.D. (0.05 %)	4.8	5.3	6.0	7.4	6.3	6.1	4.1	•	•	•						
C.V. (%)	4.2	4.5	5.4	8.6	5.2	5.8	3.6	•	•	•						

¹ 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.

²Yields at this location were reduced due to heavy and persistent rains. The possibility of reduced yields due to Root-knot nematodes is also being investigated.

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

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

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
ASGROW AG4605	76.9	71.8	73.0	10/03	1.7	1.0	36
Armor ARX0431	72.3	•	•	09/29	1.3	1.0	40
Delta King DKX0461	72.0	•	•	10/01	1.0	1.0	38
Dyna-Gro 33Y45	71.4	68.1	64.0	09/30	1.0	1.0	37
Progeny 4606RR	71.3	68.5	67.9	10/02	1.0	1.0	36
Armor ARX0432	71.1	•	•	10/01	1.0	1.0	38
Terral-REVTM 46R11	71.0	•	•	10/02	1.0	1.0	43
Dyna-Gro 32R46	70.4	68.7	68.3	10/04	1.0	1.0	37
Schillinger 457.RCP	70.4	65.7	67.4	10/05	3.7	1.0	51
USG 74A69	70.4	•	•	10/03	1.0	1.0	43
S06-10572	70.3	•	•	10/03	2.0	1.0	32
Terral-REVTM 45R10	70.1	•	•	10/03	1.0	1.0	46
Delta King DKR 4744s	69.6	•	•	10/04	1.0	1.0	40
NK S46-U6 Brand	69.6	66.8	68.7	10/06	1.0	1.0	45
Terral TV46R15	69.3	64.7	63.8	10/04	1.0	1.0	47
Progeny 4508RR	69.1	65.7	•	09/30	1.0	1.0	41
Armor 42-M1	69.0	69.1	69.4	10/03	1.0	1.0	39
Armor 46-N7	68.7	•	•	10/04	1.3	1.0	39
HBK R4527	68.6	66.2	67.2	09/30	1.0	1.0	44
ASGROW AG4606	68.5	65.9	•	10/04	1.0	1.0	40
ASGROW DKB46-51	68.3	68.3	68.5	10/02	1.3	1.0	41
Channel 4A65RS	68.2	•	•	10/04	2.0	1.0	44
USG 74C69	68.1	•	•	10/04	2.0	1.0	47
ASGROW AG4303	67.4	67.9	•	10/01	1.0	1.0	34
Pioneer 94Y60	67.3	66.6	•	10/04	1.0	1.0	40
Delta Grow 4150RR	66.8	•	•	09/30	1.0	1.0	42
Schillinger 458.RCS	66.7	65.3	•	10/02	1.0	1.0	36
AgVenture AV45X5RR	66.6	•	•	10/01	1.0	1.0	44
Dyna-Gro 36C44	65.8	64.2	•	10/03	1.0	1.0	36
Delta King DK4560	65.3	66.3	69.9	10/02	1.0	1.0	42
Terral TV46R19	64.8	64.1	•	09/29	1.0	1.0	43
MPG 4509nRR/STS	64.2	65.2	•	10/02	1.0	1.0	33
Terral-REVTM 44R11	64.1	•	•	10/01	1.0	1.0	47
Delta Grow 4470RR/STS	63.9	•	•	10/02	1.0	1.0	35
Progeny 4206RR	62.9	59.3	63.3	10/01	1.0	1.0	39
ASGROW AG4005	61.9	•	•	10/01	1.0	1.0	41
VP Maxx VPM44X1RR	61.8	•	•	09/30	1.3	1.0	42

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 RR2446N	61.2	•	•	10/03	1.0	1.0	44
Pioneer 94Y01	60.7	•	•	09/27	1.7	1.0	35
USG 74A45	60.6	62.1	•	10/03	1.0	1.0	46
Pioneer 94Y20	60.4	64.8	•	09/29	1.0	1.0	41
MorSoy RT4485N	57.9	62.4	63.4	09/28	1.0	1.0	45
Pioneer 93Y92	55.1	•	•	09/27	1.0	1.0	40
HBK R3927	50.3	51.6	52.9	10/01	1.0	1.0	49
GRAND MEAN	66.6	•	•	10/02	1.2	1.0	41
L.S.D. (0.05%)	8.3	•	•	2	0.4	•	•
C.V.	7.7	•	•	3	19.6	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

Delta Grow 4790RR2	79.6	•	•	10/11	1.0	1.0	40
Armor ARX0471	79.2	•	•	10/13	1.0	1.0	41
Delta Grow 4975RR	79.1	73.7	71.5	10/11	1.0	1.0	47
ASGROW AG4907	78.7	73.1	•	10/09	1.7	1.0	44
Armor 47-R33	78.5	•	•	10/06	1.0	1.0	41
USG 74A79	78.1	•	•	10/08	1.0	1.0	42
Terral-REVTM 49R20	77.6	•	•	10/11	1.7	1.0	44
Armor 47-G10	76.7	•	•	10/11	1.0	1.0	41
Dyna-Gro 37P49	76.7	74.0	78.8	10/12	1.0	1.0	45
Willcross RR2490NSTS	76.7	•	•	10/13	1.0	1.0	43
USG 74A91	76.6	72.7	•	10/11	1.0	1.0	41
Channel 4A81RS	76.2	•	•	10/10	1.0	1.0	45
JGL 482	76.1	•	•	10/11	1.0	1.0	43
Schillinger 478.RCS	75.9	70.5	•	10/13	1.0	1.0	44
Willcross RR2498NSTS	75.9	•	•	10/11	1.0	1.0	46
Terral-REVTM 49R10	75.8	•	•	10/11	2.3	1.0	46
Progeny 4906RR	75.7	72.0	74.2	10/09	1.0	1.0	44
Armor ARX0473	75.3	•	•	10/07	1.0	1.0	43
Pioneer 94Y91	75.3	•	•	10/07	1.0	1.0	43
MPG 4907nRR/STS	75.2	70.9	•	10/12	1.3	1.0	37
ASGROW DK4866	75.0	73.2	73.4	10/06	1.0	1.0	46
MorSoy RTs4955N	74.6	70.5	69.9	10/10	1.0	1.0	45
AgVenture AV47G3NRR	74.5	69.3	66.4	10/13	1.0	1.0	45

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Deltapine DP4888RR/S	74.2	73.1	72.9	10/11	1.3	1.0	47
MorSoy RTs4824	74.1	•	•	10/13	1.0	1.0	47
Dyna-Gro 36Y48	74.0	71.2	72.0	10/09	1.0	1.0	44
USG 7495nRS	73.9	69.8	•	10/11	1.7	1.0	34
Progeny 4807RR	73.8	70.8	70.5	10/10	1.0	1.0	46
VP Maxx VPM49X1RR	73.8	•	•	10/16	1.0	1.0	47
Schillinger 495.RC	73.6	71.0	69.3	10/10	1.0	1.0	47
MorSoy RT4914N	73.4	69.1	69.9	10/12	1.0	1.0	46
Delta Grow 4780RR	73.0	70.0	69.2	10/13	1.0	1.0	44
Delta King DK4770	73.0	70.2	69.2	10/11	1.7	1.0	46
Progeny 4949RR	72.1	66.3	68.1	10/11	1.0	1.0	46
HBK R4727	71.9	69.2	70.2	10/12	1.0	1.0	47
MPG 4808RR	71.8	67.7	68.5	10/11	2.7	1.0	52
Progeny 4706RR	71.7	63.5	64.5	10/11	3.7	1.0	48
Stine 4782-4	71.7	70.2	69.4	10/09	1.0	1.0	35
Eagle Seed ES4777RR	71.5	67.3	67.6	10/15	1.0	1.0	42
Terral-REVTM 47R11	71.5	•	•	10/08	1.0	1.0	42
Delta Grow 4770RR	71.4	67.0	65.6	10/06	4.0	1.0	40
NK S48-C9 Brand	71.4	•	•	10/11	1.0	1.0	45
Progeny 4908RR	71.3	67.1	•	10/12	1.0	1.0	43
USG 74F96	71.3	67.1	•	10/11	1.0	1.0	45
MPG 4909nRR	70.9	70.6	•	10/12	1.0	1.0	43
Terral-REVTM 48R10	70.9	•	•	10/12	2.3	1.0	43
Schillinger 499.RC	70.8	69.5	•	10/15	1.7	1.0	50
USG 74D79	70.7	•	•	10/08	1.0	1.0	38
Armor 47-F8	70.6	68.8	70.8	10/11	1.0	1.0	35
Delta King DK4968	70.6	67.8	68.6	10/10	1.0	1.0	47
Willcross RR2477NSTS	70.6	•	•	10/09	1.0	1.0	35
Dyna-Gro 32P48	70.4	70.1	•	10/06	1.0	1.0	45
Schillinger 4880.RC	70.2	•	•	10/10	1.0	1.0	47
Delta Grow 4870RR	70.1	68.4	•	10/07	1.0	1.0	45
USG 74A88	70.1	69.6	•	10/11	1.0	1.0	43
Pioneer 94Y90	70.0	66.0	•	10/09	1.0	1.0	45
Dyna-Gro V48N7RS	69.9	•	•	10/08	1.0	1.0	36
JGL 483	69.9	•	•	10/09	1.0	1.0	40
MorSoy RT4707N	69.9	66.3	67.1	10/08	1.0	1.0	45
Pioneer 94Y80	69.7	•	•	10/10	1.0	1.0	46

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Schillinger 4990.RC	69.7	•	•	10/14	1.0	1.0	43
Pioneer 94Y70	69.4	68.3	•	10/06	1.0	1.0	44
Delta Grow 4970RR	69.3	68.2	69.8	10/15	1.0	1.0	42
ASGROW AG4703	69.2	66.9	65.3	10/09	1.0	1.0	39
AgVenture AVEXA49B	68.9	•	•	10/07	1.0	1.0	41
Delta King DKX049	68.8	•	•	10/11	1.0	1.0	45
MorSoy RT4919N	68.8	•	•	10/08	1.0	1.0	40
USG 74G78	68.8	•	•	10/08	1.0	1.0	36
Terral-REVTM 47R21	68.5	•	•	10/07	1.0	1.0	40
JGL 481	68.4	•	•	10/11	1.3	1.0	43
ASGROW AG4903	68.3	67.8	70.0	10/12	1.0	1.0	44
Terral-REVTM 49R21	67.9	•	•	10/11	1.0	1.0	46
Terral TV47R18	67.7	68.3	69.2	10/07	1.0	1.0	44
Legacy 47-57RR	67.5	67.3	69.6	10/11	1.0	1.0	47
Terral-REVTM 49R11	67.5	•	•	10/09	1.0	1.0	40
Dyna-Gro V47N9RS	67.2	•	•	10/10	2.0	1.0	42
MPG 4705nRR	67.1	65.6	•	10/10	2.0	1.0	44
Willcross RR2484N	66.7	•	•	10/12	1.0	1.0	44
Willcross RR2878NSTS	65.7	•	•	10/07	1.0	1.0	43
USG 74E88	65.6	•	•	10/06	1.0	1.0	43
Willcross RR2470NSTS	65.2	•	•	10/08	1.7	1.0	43
NK S47-D9 Brand	65.1	61.8	•	10/11	1.0	1.0	46
Terral TV49R19	65.0	62.9	•	10/12	1.0	1.0	40
MorSoy RTs4706N	64.3	65.0	66.8	10/12	1.0	1.0	34
S06-3929	64.1	•	•	10/07	1.0	1.0	42
NK S49-H7 Brand	63.9	62.6	64.3	10/13	1.0	1.0	44
HBK R4924	63.5	65.1	63.4	10/10	1.0	1.0	47
HBK R4729	63.2	•	•	10/11	1.0	1.0	42
Eagle Seed ES4922RR	59.3	•	•	10/13	1.0	1.0	43
GRAND MEAN	71.3	•	•	10/10	1.2	1.0	43
L.S.D. (0.05%)	3.9	•	•	2	0.5	•	•
C.V.	3.4	•	•	3	25.6	•	•

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
MorSoy RT5429N	81.8	•	•	10/16	1.3	1.0	47
Progeny 5218RR	81.1	69.7	•	10/22	2.0	1.0	42
Pioneer 95Y40	80.5	72.6	•	10/18	1.0	1.0	39
HBK R5226	79.8	68.3	71.4	10/25	1.3	1.0	43
Delta Grow 5280RR	79.7	•	•	10/18	1.0	1.0	47
Pioneer 95Y01	79.2	•	•	10/10	1.0	1.0	45
Armor 55-A5	78.9	70.2	73.8	10/22	1.0	1.0	40
N-ADR55806	78.7	•	•	10/17	1.0	1.0	40
AgVenture AV50X6RR	78.3	72.8	•	10/11	1.0	1.0	44
ASGROW AG5503	78.1	70.0	•	10/12	1.0	1.0	44
Terral-REVTM 54R10	78.0	•	•	10/20	2.7	1.0	37
Schillinger 557.RCP	77.9	70.9	74.3	10/24	1.0	1.0	42
MPG 5308nRR	77.7	71.8	73.0	10/18	1.0	1.0	35
Schillinger 5440.RC	77.7	•	•	10/22	1.0	1.0	39
USG 75M49	77.3	•	•	10/24	1.0	1.0	41
Dyna-Gro 32A53	77.0	67.0	68.6	10/14	3.0	1.0	36
Progeny 5319RR	77.0	•	•	10/22	1.0	1.0	38
Terral TV52R79	76.6	69.2	•	10/23	1.0	1.0	40
Armor 53-Z5	76.5	70.1	70.6	10/23	1.0	1.0	42
Stine EXP 5.4R1	76.5	•	•	10/14	1.0	1.0	45
Delta King GP-500	76.3	68.7	72.7	10/13	1.0	1.0	30
Delta Grow 5555RR	76.1	68.3	71.9	10/23	2.7	1.0	42
Terral TV55R15	75.9	71.0	72.7	10/22	1.0	1.0	46
ASGROW AG5405	75.7	•	•	10/20	1.0	1.0	40
ASGROW DK5068	75.7	72.1	70.9	10/12	1.0	1.0	41
Progeny 5115RR	75.5	68.0	67.6	10/11	1.0	1.0	50
ASGROW AG5301	75.4	68.7	70.9	10/21	1.0	1.0	39
Dyna-Gro V51N7RS	75.4	•	•	10/21	1.0	1.0	50
Pioneer 95Y30	75.4	•	•	10/21	1.0	1.0	45
Delta King DK 5363	75.1	•	•	10/21	2.0	1.0	32
Terral TV55R20	75.0	•	•	10/23	1.0	1.0	44
Croplan RC5419	74.9	•	•	10/22	4.0	1.0	34
Dyna-Gro 33X55	74.7	68.1	70.6	10/22	2.7	1.0	36
MPG 5505nRR/STS	74.7	67.8	71.0	10/23	1.0	1.0	46
Willcross RR2544NSTS	74.7	•	•	10/17	1.0	1.0	42
HBK R5525	74.5	68.8	71.1	10/23	1.0	1.0	41
Dyna-Gro 35F55	74.4	69.0	•	10/23	3.0	1.0	46

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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	74.3	68.6	72.6	10/22	1.0	1.0	40
USG 7553nRS	73.8	69.4	72.0	10/15	1.0	1.0	42
DELTAPINE DP5335RR/S	73.7	68.8	70.9	10/11	1.0	1.0	46
Progeny 5409RR	73.6	•	•	10/22	1.0	1.0	49
Terral-REVTM 53R21	73.5	•	•	10/13	1.0	1.0	45
MorSoy RT5388N	73.4	70.1	•	10/22	1.0	1.0	38
S06-3095	73.2	•	•	10/20	1.0	1.0	41
Delta Grow 5300RR/STS	73.0	66.7	70.0	10/19	1.0	1.0	40
Terral TV54R28	73.0	67.6	69.0	10/19	1.0	1.0	45
NK S52-F2 Brand	72.9	67.6	70.3	10/19	1.0	1.0	41
S06-3027	72.7	•	•	10/11	2.0	1.0	46
Delta King DK52K6	72.6	66.6	68.8	10/24	2.0	1.0	38
MorSoy RT5168N	72.6	68.5	•	10/11	1.0	1.0	42
AgVenture AV51X5RR/STS	72.5	68.3	•	10/17	3.0	1.0	43
NK S54-M7 Brand	72.4	•	•	10/13	1.0	1.0	41
Terral-REVTM 55R11	72.2	•	•	10/20	1.7	1.0	44
AgVenture AV54X4RR	72.1	66.5	•	10/20	1.3	1.0	42
N-ADR52718	71.9	•	•	10/17	1.0	1.0	45
AGS 554RR	71.6	•	•	10/23	2.7	1.0	43
Terral-REVTM 53R11	71.1	•	•	10/17	1.0	1.0	47
Delta Grow 5170RR	70.1	67.0	•	10/11	1.0	1.0	40
MorSoy RT5229N	69.1	•	•	10/16	1.0	1.0	42
Dyna-Gro 33B52	69.0	66.7	69.0	10/17	1.0	1.0	37
Eagle Seed ES5507RR	68.8	•	•	10/22	1.0	1.0	46
Legacy 55-56RR	68.7	•	•	10/19	1.0	1.0	37
HBK R5229	68.6	•	•	10/17	1.0	1.0	41
Progeny 5309RR	68.3	•	•	10/23	1.0	1.0	46
Dyna-Gro 31R54	68.2	62.2	64.4	10/17	1.0	1.0	44
Willcross RR2542N	68.0	•	•	10/22	1.0	1.0	40
Legacy 54-17RR/STS	67.1	59.5	•	10/19	1.0	1.0	45
Willcross RR2547N	64.7	•	•	10/13	1.0	1.0	39
MPG 5407nRR	64.2	64.8	68.1	10/16	1.0	1.0	41
HBK R5425	62.4	57.8	60.2	10/22	1.0	1.0	47
Eagle Seed ES5519RR	62.3	59.8	•	10/26	1.0	1.0	43
GRAND MEAN	73.8	•	•	10/19	1.3	1.0	42
L.S.D. (0.05%)	5.2	•	•	3	0.4	•	•
C.V.	4.4	•	•	4	17.1	•	•

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
ASGROW AG5606	76.4	71.1	•	10/24	1.0	1.0	43
Terral TV59R16	74.5	69.3	72.3	10/26	1.0	1.0	41
Croplan RC5663	74.4	68.9	•	10/22	1.0	1.0	37
MorSoy RT5688N	74.2	70.8	•	10/25	3.0	1.0	34
Pioneer 95Y70	73.8	68.7	•	10/25	1.0	1.0	38
Progeny 5650RR	72.6	67.3	70.3	10/27	3.0	1.0	43
Dyna-Gro 33C59	72.2	68.4	71.9	10/13	1.0	1.0	36
USG 75Z98	72.2	70.6	•	10/25	2.3	1.0	42
ASGROW AG5605	71.8	68.6	74.3	10/23	1.0	1.0	46
DELTAPINE DP5915RR	70.4	63.7	69.3	10/26	1.0	1.0	39
AGS 597	70.2	•	•	10/25	3.0	1.0	43
AGS 568RR	70.1	64.9	67.7	10/20	1.0	1.0	38
USG ALLEN	70.0	66.2	71.6	10/25	1.0	1.0	47
NK S56-L5 Brand	69.3	•	•	10/21	1.0	1.0	44
Channel 5651	69.1	•	•	10/26	1.0	1.0	45
Progeny 5706RR	69.0	64.5	69.2	10/25	1.0	1.0	48
N-ADR56203	68.9	•	•	10/17	1.0	1.0	46
Progeny 5622RR	68.9	64.7	•	10/23	2.3	1.0	42
Terral TV57R16	68.4	•	•	10/23	2.0	1.0	41
HBK R5825	68.3	63.7	67.9	10/22	1.0	1.0	40
AGS 606RR	67.2	63.2	66.1	10/25	1.0	1.0	42
USG 7582nRR	66.7	65.4	69.1	10/24	2.3	1.0	44
ASGROW AG5905	66.5	64.1	69.1	10/21	1.7	1.0	48
Dyna-Gro 32B57	65.6	61.8	•	10/19	1.0	1.0	45
Delta Grow 5970RR	62.1	61.4	64.9	10/26	1.0	1.0	53
GRAND MEAN	70.1	•	•	10/23	1.5	1.0	43
L.S.D. (0.05%)	4.8	•	•	3	0.7	•	•
C.V.	4.2	•	•	4	28.9	•	•

Table 10. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Soil Series	Sharky silty clay
Soil pH	6.8
Previous Crop	Grain sorghum
Row Width	38 inches
Planting Date	6/2
Herbicide Applications	Roundup™ + Metribuzin + Metolachlor, 6/3; Roundup™, 6/28, 8/4
Fungicide Applications	Quadris + Domark, 9/1, 9/17
Irrigation Date	9/1
Harvest Dates	MG 4E, 11/8; MG 4L, 11/8; MG 5E, 11/9; MG 5L 11/9

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2009	7.1	5.0	8.3	2.9	3.2	9.4	35.9
Average	5.2	4.0	3.7	2.8	3.9	3.0	22.6
Departure	1.9	1.0	4.6	0.1	- 0.7	6.4	13.3

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
S06-10572	73.6	•	•	10/02	2.6	1.0	34
ASGROW AG4605	72.3	63.0	50.2	09/30	1.0	1.0	38
AgVenture AV45X5RR	71.8	•	•	09/28	1.0	1.0	39
NK S46-U6 Brand	70.4	66.5	54.9	10/01	1.0	1.0	40
Progeny 4606RR	70.0	60.8	52.2	10/01	1.0	1.0	33
Schillinger 458.RCS	69.7	59.7	•	09/30	1.0	1.0	36
Terral TV46R15	68.7	62.4	47.8	10/01	1.7	1.0	43
Delta King DKX0461	68.3	•	•	09/23	1.0	1.0	40
Armor 46-N7	68.0	•	•	09/27	1.0	1.0	32
Armor 42-M1	67.7	58.4	•	10/01	1.0	1.0	41
USG 74A69	67.2	•	•	09/29	1.0	1.0	40
Dyna-Gro 32R46	66.9	59.9	49.0	09/30	1.0	1.0	36
Delta Grow 4150RR	66.5	•	•	09/30	1.0	1.0	41
Willcross RR2446N	66.4	•	•	09/29	1.0	1.0	42
Delta King DKR 4744s	66.3	•	•	09/30	1.0	1.0	36
ASGROW DKB46-51	66.1	59.1	47.7	09/30	1.0	1.0	40
Terral-REVTM 45R10	66.1	•	•	09/30	1.7	1.0	45
MPG 4509nRR/STS	66.0	61.6	•	09/29	1.0	1.0	37
MorSoy RT4485N	65.8	60.7	49.7	09/29	1.0	1.0	40
Channel 4A65RS	65.7	•	•	10/02	1.0	1.0	47
Delta Grow 4470RR/STS	65.6	•	•	09/28	1.1	1.0	33
Pioneer 94Y60	62.9	57.3	•	09/29	1.0	1.0	36
Terral-REVTM 46R11	62.8	•	•	09/29	1.0	1.0	35
Schillinger 457.RCP	62.8	58.3	48.6	09/30	3.0	1.0	30
USG 74C69	62.8	•	•	10/03	1.3	1.0	50
ASGROW AG4303	62.3	58.1	•	09/28	1.0	1.0	34
Dyna-Gro 33Y45	62.3	56.3	48.2	09/28	1.0	1.0	39
USG 74A45	61.6	55.9	•	09/27	1.7	1.0	47
Dyna-Gro 36C44	61.5	57.5	•	09/27	1.0	1.0	35
Terral-REVTM 44R11	61.4	•	•	09/29	1.3	1.0	40
Armor ARX0432	61.0	•	•	09/27	1.0	1.0	35
Progeny 4508RR	61.0	56.3	•	09/29	1.0	1.0	37
Progeny 4206RR	60.0	55.6	46.0	09/28	1.0	1.0	36
ASGROW AG4606	59.4	56.7	•	09/28	1.3	1.0	42
Pioneer 94Y20	59.2	57.3	•	09/28	1.3	1.0	38
Armor ARX0431	59.1	•	•	09/26	1.0	1.0	40
HBK R3927	59.0	53.1	43.4	09/29	1.3	1.0	50

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 DK4560	58.1	57.5	•	09/30	1.0	1.0	38
VP Maxx VPM44X1RR	57.6	•	•	09/27	1.3	1.0	49
Terral TV46R19	56.4	53.9	•	09/28	1.0	1.0	44
HBK R4527	55.8	57.0	47.2	09/30	1.7	1.0	41
ASGROW AG4005	55.4	•	•	09/26	1.0	1.0	43
Pioneer 93Y92	54.9	•	•	09/24	1.0	1.0	35
Pioneer 94Y01	53.4	•	•	09/24	1.1	1.0	38
GRAND MEAN	63.6	•	•	09/29	1.2	1.0	39
L.S.D. (0.05%)	7.2	•	•	3	0.5	•	•
C.V.	6.9	•	•	7	26.1	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

Armor 47-R33	77.5	•	•	10/03	1.0	1.0	42
MorSoy RT4914N	75.9	69.0	56.9	10/10	1.0	1.0	50
Schillinger 4990.RC	75.7	•	•	10/07	1.0	1.0	46
Pioneer 94Y90	75.0	67.3	•	10/06	1.0	1.0	43
Delta Grow 4970RR	74.4	66.5	54.8	10/12	1.0	1.0	49
VP Maxx VPM49X1RR	74.2	•	•	10/09	1.7	1.0	48
Armor ARX0471	74.1	•	•	10/08	1.0	1.0	40
JGL 482	74.1	•	•	10/06	1.0	1.0	46
ASGROW AG4903	73.7	66.6	55.5	10/06	1.0	1.0	46
Delta Grow 4975RR	73.7	65.6	57.1	10/09	1.0	1.0	43
Schillinger 495.RC	73.7	66.3	54.0	10/10	1.0	1.0	47
Willcross RR2490NSTS	73.7	•	•	10/07	1.0	1.0	41
Terral-REVTM 49R20	73.6	•	•	10/10	1.3	1.0	44
Pioneer 94Y80	73.3	•	•	10/07	2.0	1.0	43
Schillinger 478.RCS	73.2	65.1	•	10/07	1.0	1.0	47
USG 74A79	73.2	•	•	10/06	1.0	1.0	43
Channel 4A81RS	73.1	•	•	10/06	1.0	1.0	46
Armor 47-G10	73.0	•	•	10/08	1.7	1.0	44
Schillinger 4880.RC	73.0	•	•	10/08	1.0	1.0	42
Willcross RR2498NSTS	72.7	•	•	10/07	1.3	1.0	45
Delta Grow 4790RR2	72.5	•	•	10/06	1.0	1.0	44
Pioneer 94Y91	72.3	•	•	10/05	1.3	1.0	47
MorSoy RTs4824	72.1	•	•	10/08	1.0	1.0	41

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Schillinger 499.RC	71.4	64.1	•	10/12	1.7	1.0	44
Terral-REVTM 49R10	71.3	•	•	10/07	1.3	1.0	48
Progeny 4906RR	71.2	65.2	53.8	10/06	1.0	1.0	46
USG 74F96	70.9	63.2	•	10/06	1.0	1.0	45
Progeny 4706RR	70.8	61.3	51.3	10/06	4.0	1.0	45
ASGROW AG4907	70.7	64.6	•	10/08	2.0	1.0	48
USG 7495nRS	70.7	63.0	•	10/09	1.3	1.0	45
Armor 47-F8	70.6	61.9	53.8	10/04	1.0	1.0	34
USG 74A91	70.6	64.0	•	10/05	1.0	1.0	46
USG 74A88	70.4	60.3	•	10/07	1.0	1.0	43
Eagle Seed ES4777RR	70.3	61.8	50.9	10/14	1.0	1.0	39
MPG 4909nRR	70.2	63.5	•	10/07	1.0	1.0	44
MorSoy RT4919N	70.1	•	•	10/04	1.3	1.0	38
Delta King DK4968	69.8	63.0	52.4	10/10	1.0	1.0	47
ASGROW AG4703	69.6	60.7	50.4	10/04	1.0	1.0	43
Armor ARX0473	69.5	•	•	10/06	1.0	1.0	42
MorSoy RTs4955N	69.3	63.3	52.0	10/07	1.0	1.0	44
Progeny 4807RR	69.3	62.5	51.8	10/08	1.0	1.0	48
AgVenture AVEXA49B	69.1	•	•	10/04	1.0	1.0	38
MorSoy RTs4706N	69.1	60.1	48.5	10/05	1.0	1.0	34
ASGROW DK4866	68.9	64.1	55.1	10/04	1.0	1.0	46
Stine 4782-4	68.9	61.1	51.1	10/04	1.0	1.0	43
Delta King DKX049	68.5	•	•	10/06	1.0	1.0	47
AgVenture AV47G3NRR	68.4	62.0	51.5	10/08	1.0	1.0	45
Delta Grow 4780RR	68.4	61.9	51.4	10/09	1.0	1.0	47
Dyna-Gro 37P49	68.1	64.0	52.7	10/05	1.0	1.0	44
MPG 4907nRR/STS	68.1	62.4	•	10/07	1.7	1.0	43
JGL 481	67.9	•	•	10/06	2.0	1.0	39
Delta King DK4770	67.7	63.4	52.5	10/05	1.7	1.0	47
MPG 4808RR	67.3	63.4	53.9	10/08	2.3	1.0	59
Dyna-Gro 36Y48	67.2	62.8	51.2	10/07	1.0	1.0	41
Progeny 4949RR	67.2	62.0	52.6	10/09	1.0	1.0	43
Terral-REVTM 48R10	67.0	•	•	10/06	2.7	1.0	42
USG 74D79	66.8	•	•	10/06	1.0	1.0	50
NK S49-H7 Brand	66.6	62.1	54.1	10/10	1.0	1.0	43
Delta Grow 4870RR	66.3	60.3	•	10/04	1.0	1.0	44
Delta Grow 4770RR	66.2	60.8	50.6	10/04	2.7	1.0	44

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Deltapine DP4888RR/S	66.1	60.6	52.2	10/05	1.7	1.0	45
HBK R4924	65.9	61.0	50.7	10/08	1.0	1.0	47
MorSoy RT4707N	65.8	59.9	50.4	10/09	1.0	1.0	43
JGL 483	65.6	•	•	10/04	1.0	1.0	41
Pioneer 94Y70	65.6	61.0	•	10/06	1.0	1.0	44
Terral-REVTM 47R11	65.5	•	•	10/05	1.0	1.0	44
Terral-REVTM 47R21	65.5	•	•	10/05	2.0	1.0	44
Dyna-Gro 32P48	65.1	57.6	•	10/07	1.0	1.0	44
NK S47-D9 Brand	65.0	59.7	•	10/07	1.0	1.0	43
Progeny 4908RR	65.0	60.6	•	10/07	1.0	1.0	43
Eagle Seed ES4922RR	64.4	•	•	10/12	1.0	1.0	43
Dyna-Gro V48N7RS	64.3	•	•	10/04	1.0	1.0	31
HBK R4729	64.3	•	•	10/05	1.0	1.0	44
S06-3929	64.3	•	•	10/08	1.0	1.0	43
Terral-REVTM 49R21	64.2	•	•	10/07	1.0	1.0	47
Terral TV49R19	63.8	61.2	•	10/06	1.0	1.0	46
USG 74G78	63.4	•	•	10/03	1.0	1.0	34
Willcross RR2477NSTS	63.3	•	•	10/06	1.0	1.0	42
MPG 4705nRR	63.2	59.2	•	10/06	1.3	1.0	44
Willcross RR2484N	63.0	•	•	10/06	1.7	1.0	42
Terral TV47R18	62.4	60.1	49.8	10/07	1.0	1.0	43
Legacy 47-57RR	62.0	60.3	48.7	10/08	1.0	1.0	44
Terral-REVTM 49R11	61.6	•	•	10/06	1.0	1.0	44
HBK R4727	61.0	60.2	48.5	10/09	1.0	1.0	46
Dyna-Gro V47N9RS	59.4	•	•	10/05	1.3	1.0	45
Willcross RR2470NSTS	58.7	•	•	10/06	1.3	1.0	44
USG 74E88	57.8	•	•	10/03	1.0	1.0	40
NK S48-C9 Brand	55.7	•	•	10/08	1.0	1.0	39
Willcross RR2878NSTS	55.0	•	•	10/04	1.3	1.0	46
GRAND MEAN	68.3	•	•	10/07	1.2	1.0	44
L.S.D. (0.05%)	6.9	•	•	2	0.6	•	•
C.V.	6.2	•	•	4	30.0	•	•

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
MorSoy RT5429N	77.4	•	•	10/21	1.3	1.0	36
Delta King DK52K6	76.6	68.8	57.0	10/22	1.7	1.0	40
N-ADR55806	75.8	•	•	10/18	1.0	1.0	34
Terral TV52R79	75.8	67.8	•	10/24	1.0	1.0	40
Armor 55-A5	75.4	68.1	54.6	10/21	1.0	1.0	40
Armor 53-Z5	75.2	68.0	•	10/21	1.0	1.0	47
Schillinger 557.RCP	75.2	68.4	55.8	10/25	1.0	1.0	36
Croplan RC5419	74.7	•	•	10/24	2.0	1.0	40
Delta King GP-500	74.3	65.9	53.1	10/12	1.0	1.0	39
Dyna-Gro 35F55	74.3	70.5	•	10/21	1.7	1.0	46
Pioneer 95Y40	74.3	67.2	•	10/19	1.0	1.0	43
S06-3095	74.3	•	•	10/17	1.0	1.0	38
ASGROW AG5405	74.1	•	•	10/21	1.0	1.0	42
ASGROW AG5503	74.1	68.1	•	10/11	1.0	1.0	41
Terral-REVTM 54R10	73.8	•	•	10/20	2.0	1.0	43
Terral-REVTM 53R21	73.4	•	•	10/13	1.0	1.0	40
Delta Grow 5280RR	73.1	•	•	10/16	1.0	1.0	36
Delta Grow 5555RR	73.0	70.9	59.8	10/26	3.3	1.0	43
Pioneer 95Y01	73.0	•	•	10/12	1.0	1.0	43
Progeny 5218RR	73.0	64.5	•	10/22	1.3	1.0	41
Progeny 5409RR	73.0	•	•	10/18	1.0	1.0	39
Terral TV55R15	72.9	71.3	59.8	10/23	1.0	1.0	31
Progeny 5309RR	72.6	•	•	10/21	1.0	1.0	44
USG 75M49	72.6	•	•	10/22	1.0	1.0	44
ASGROW AG5301	72.4	65.5	55.1	10/18	1.0	1.0	43
MorSoy RT5168N	72.4	65.7	•	10/10	1.0	1.0	40
NK S52-F2 Brand	72.3	66.4	55.7	10/17	1.0	1.0	42
Progeny 5319RR	72.3	•	•	10/22	1.0	1.0	40
Terral TV55R20	72.1	•	•	10/23	1.0	1.0	41
Delta King GP-533	71.7	65.9	53.4	10/21	1.0	1.0	38
Dyna-Gro 33B52	71.7	65.9	55.7	10/15	1.3	1.0	31
Dyna-Gro V51N7RS	71.6	•	•	10/18	0.9	1.0	40
Schillinger 5440.RC	71.6	•	•	10/21	1.0	1.0	38
Dyna-Gro 32A53	71.4	64.0	52.2	10/15	3.0	1.0	40
USG 7553nRS	71.2	68.4	56.6	10/19	1.0	1.0	43
MorSoy RT5388N	71.0	67.8	•	10/22	1.0	1.0	42
Progeny 5115RR	71.0	64.2	51.6	10/11	1.0	1.0	52

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Dyna-Gro 31R54	70.9	63.7	53.5	10/18	1.0	1.0	37
HBK R5226	70.6	67.0	55.9	10/23	1.3	1.0	40
Delta Grow 5300RR/STS	70.4	63.2	52.3	10/18	1.0	1.0	34
MPG 5308nRR	70.4	66.3	56.5	10/17	1.0	1.0	43
Delta Grow 5170RR	70.2	64.7	•	10/09	1.0	1.0	30
Terral-REVTM 53R11	70.2	•	•	10/17	1.0	1.0	37
AgVenture AV51X5RR/STS	69.9	62.1	•	10/14	1.7	1.0	44
NK S54-M7 Brand	69.0	•	•	10/16	1.7	1.0	54
Terral TV54R28	68.9	63.1	51.3	10/20	1.0	1.0	44
HBK R5525	68.7	66.0	53.9	10/23	1.0	1.0	43
Legacy 55-56RR	68.7	•	•	10/18	1.3	1.0	47
MPG 5505nRR/STS	68.7	63.0	53.8	10/21	1.0	1.0	42
MPG 5407nRR	68.6	67.7	54.8	10/15	1.0	1.0	37
Pioneer 95Y30	68.4	•	•	10/17	1.7	1.0	35
Terral-REVTM 55R11	68.3	•	•	10/20	2.3	1.0	39
S06-3027	68.2	•	•	10/10	2.3	1.0	34
Stine EXP 5.4R1	68.0	•	•	10/11	1.0	1.0	43
Eagle Seed ES5507RR	67.9	•	•	10/25	1.0	1.0	43
DELTAPINE DP5335RR/S	67.5	64.4	53.7	10/10	1.0	1.0	44
Willcross RR2544NSTS	67.4	•	•	10/17	1.0	1.0	41
AgVenture AV54X4RR	67.3	63.2	•	10/19	1.7	1.0	42
AgVenture AV50X6RR	67.2	65.1	•	10/09	1.0	1.0	43
Legacy 54-17RR/STS	67.2	60.1	•	10/19	1.0	1.0	45
Willcross RR2542N	67.2	•	•	10/21	1.0	1.0	39
Eagle Seed ES5519RR	66.7	62.7	•	10/25	1.0	1.0	41
AGS 554RR	66.6	•	•	10/23	1.3	1.0	42
MorSoy RT5229N	66.2	•	•	10/17	1.0	1.0	40
Dyna-Gro 33X55	65.8	62.6	53.5	10/23	1.3	1.0	31
N-ADR52718	65.0	•	•	10/19	1.0	1.0	43
HBK R5425	63.2	61.2	49.6	10/23	1.0	1.0	51
HBK R5229	62.6	•	•	10/17	1.0	1.0	44
Delta King DK 5363	62.3	•	•	10/20	1.7	1.0	39
Willcross RR2547N	62.3	•	•	10/13	1.0	1.0	45
ASGROW DK5068	62.0	61.6	49.1	10/09	1.0	1.0	36
GRAND MEAN	70.5	•	•	10/18	1.2	1.0	41
L.S.D. (0.05%)	6.5	•	•	3	0.6	•	•
C.V.	5.7	•	•	3	32.4	•	•

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
AGS 597	77.6	•	•	10/27	3.0	1.0	40
MorSoy RT5688N	75.3	70.5	•	10/26	1.7	1.0	35
ASGROW AG5605	74.3	67.9	55.8	10/23	1.0	1.0	44
Dyna-Gro 33C59	74.3	70.3	59.2	10/20	1.0	1.0	40
Terral TV59R16	73.9	70.1	59.5	10/25	1.0	1.0	40
ASGROW AG5606	73.8	68.4	•	10/22	1.3	1.0	45
Channel 5651	73.6	•	•	10/26	1.0	1.0	34
DELTAPINE DP5915RR	73.4	67.0	56.4	10/27	1.0	1.0	33
Pioneer 95Y70	72.6	69.5	•	10/24	1.0	1.0	48
Croplan RC5663	72.5	66.6	•	10/21	1.0	1.0	37
USG 75Z98	72.5	68.2	•	10/25	1.3	1.0	41
Progeny 5622RR	71.8	68.7	•	10/24	1.3	1.0	38
Progeny 5706RR	71.6	66.6	56.0	10/24	1.7	1.0	45
N-ADR56203	71.3	•	•	10/19	1.0	1.0	43
HBK R5825	71.0	65.3	53.3	10/20	1.0	1.0	43
Progeny 5650RR	70.5	65.9	54.1	10/26	1.7	1.0	39
NK S56-L5 Brand	70.2	•	•	10/19	2.1	1.0	40
AGS 568RR	70.1	64.6	55.3	10/23	1.3	1.0	40
AGS 606RR	70.1	64.5	54.8	10/26	1.0	1.0	37
Delta Grow 5970RR	69.8	64.5	51.9	10/27	1.0	1.0	47
USG ALLEN	69.6	64.8	54.3	10/26	1.0	1.0	46
ASGROW AG5905	69.5	65.3	53.0	10/23	1.3	1.0	37
Dyna-Gro 32B57	67.9	63.9	•	10/18	1.0	1.0	42
USG 7582nRR	67.2	64.8	55.1	10/25	2.3	1.0	44
Terral TV57R16	66.6	•	•	10/23	2.3	1.0	43
GRAND MEAN	71.6	•	•	10/24	1.4	1.0	41
L.S.D. (0.05%)	5.3	•	•	2	0.8	•	•
C.V.	4.5	•	•	3	35.5	•	•

Table 11. Performance of Nonirrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Soil Series	Sharky silty clay
Soil pH	6.8
Previous Crop	Grain sorghum
Row Width	38 inches
Planting Date	6/3
Herbicide Applications	Roundup™ + Metribuzin + Metolachlor, 6/3; Roundup™, 6/28, 8/4
Fungicide Applications	Quadris + Domark, 9/1, 9/17
Harvest Dates	MG 4E, 11/5; MG 4L, 11/5; MG 5E, 11/6; MG 5L 11/7

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2009	7.1	5.0	8.3	2.9	3.2	9.4	35.9
Average	5.2	4.0	3.7	2.8	3.9	3.0	22.6
Departure	1.9	1.0	4.6	0.1	- 0.7	6.4	13.3

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Delta King DKX0461	82.0	•	•	10/15	1.0	1.0	35
USG 74A69	81.0	•	•	10/16	1.0	1.0	32
Delta King DKR 4744s	77.9	•	•	10/13	1.0	1.0	31
Progeny 4606RR	76.2	71.6	66.2	10/14	1.0	1.0	32
Terral-REVTM 44R11	75.7	•	•	10/13	1.0	1.0	39
AgVenture AV45X5RR	73.9	•	•	10/14	1.0	1.0	36
Progeny 4508RR	73.7	66.7	•	10/11	1.0	1.0	35
Armor ARX0432	73.3	•	•	10/15	1.0	1.0	32
ASGROW AG4605	73.1	67.6	63.0	10/13	1.0	1.0	33
NK S46-U6 Brand	73.0	68.0	68.5	10/19	1.0	1.0	37
Dyna-Gro 32R46	72.8	70.8	68.4	10/12	1.0	1.0	25
VP Maxx VPM44X1RR	72.4	•	•	10/12	1.0	1.0	37
MPG 4509nRR/STS	72.3	67.0	•	10/13	1.0	1.0	25
Progeny 4206RR	72.2	69.5	64.2	10/14	1.0	1.0	33
Channel 4A65RS	71.6	•	•	10/18	1.0	1.0	36
Delta Grow 4470RR/STS	71.5	•	•	10/12	1.0	1.0	30
Armor 46-N7	71.3	•	•	10/12	1.0	1.0	35
Armor 42-M1	70.9	66.8	•	10/10	1.0	1.0	34
Delta Grow 4150RR	70.2	•	•	10/12	1.0	1.0	36
ASGROW AG4303	70.0	66.0	•	10/13	1.0	1.0	30
Delta King DK4560	70.0	65.0	•	10/16	1.0	1.0	32
Armor ARX0431	69.5	•	•	10/13	1.0	1.0	36
HBK R4527	69.2	67.3	63.2	10/16	1.0	1.0	37
Terral TV46R15	69.2	67.5	61.4	10/14	1.7	1.0	30
S06-10572	68.7	•	•	10/15	1.7	1.0	36
ASGROW AG4005	68.5	•	•	10/14	1.0	1.0	31
ASGROW DKB46-51	68.5	68.2	65.6	10/17	1.0	1.0	35
Dyna-Gro 33Y45	68.5	62.9	62.1	10/12	1.0	1.0	38
USG 74C69	68.3	•	•	10/16	1.0	1.0	39
Schillinger 458.RCS	68.2	69.9	•	10/17	1.0	1.0	32
Terral-REVTM 46R11	67.7	•	•	10/14	1.0	1.0	35
Dyna-Gro 36C44	67.4	65.3	•	10/12	1.0	1.0	34
Pioneer 93Y92	67.2	•	•	10/11	1.0	1.0	33
Willcross RR2446N	66.1	•	•	10/14	1.0	1.0	30
Schillinger 457.RCP	65.1	62.9	61.1	10/11	1.0	1.0	40
HBK R3927	65.0	57.9	53.1	10/13	1.0	1.0	37
Terral TV46R19	64.8	60.2	•	10/13	1.0	1.0	36

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>							
Terral-REVTM 45R10	64.7	•	•	10/17	1.0	1.0	32
Pioneer 94Y20	64.5	62.4	•	10/16	1.0	1.0	35
USG 74A45	63.2	65.6	•	10/14	1.0	1.0	32
Pioneer 94Y01	62.2	•	•	10/12	1.0	1.0	32
MorSoy RT4485N	61.9	61.8	63.7	10/13	1.0	1.0	35
ASGROW AG4606	61.5	64.4	•	10/16	1.0	1.0	31
Pioneer 94Y60	59.9	60.0	•	10/16	1.0	1.0	27
GRAND MEAN	69.7	•	•	10/14	1.0	1.0	34
L.S.D. (0.05%)	7.2	•	•	3	0.2	•	•
C.V.	6.4	•	•	14	12.0	•	•

Maturity Group IV Late (RM 4.7 to 4.9)

USG 74A79	82.4	•	•	10/20	1.0	1.0	33
Armor ARX0471	81.2	•	•	10/20	1.0	1.0	35
Schillinger 4880.RC	79.7	•	•	10/20	1.0	1.0	40
MorSoy RTs4824	78.4	•	•	10/18	1.0	1.0	35
ASGROW AG4903	78.2	74.4	72.8	10/15	1.0	1.0	35
Delta Grow 4790RR2	78.0	•	•	10/20	1.0	1.0	40
ASGROW DK4866	77.9	76.7	72.6	10/23	1.0	1.0	34
Channel 4A81RS	77.7	•	•	10/20	1.0	1.0	33
Armor 47-R33	76.3	•	•	10/18	1.0	1.0	27
JGL 482	76.3	•	•	10/20	1.0	1.0	31
Delta Grow 4870RR	75.6	74.9	•	10/16	1.0	1.0	36
MPG 4909nRR	74.5	71.6	•	10/19	1.0	1.0	34
Progeny 4906RR	74.1	69.7	69.1	10/13	1.0	1.0	33
Schillinger 4990.RC	74.1	•	•	10/14	1.0	1.0	31
USG 74A88	74.1	70.4	•	10/19	1.0	1.0	38
Terral-REVTM 49R10	74.0	•	•	10/21	1.0	1.0	38
Dyna-Gro 37P49	73.9	71.7	68.3	10/19	1.0	1.0	33
Schillinger 499.RC	73.8	70.5	•	10/26	1.0	1.0	40
Dyna-Gro 32P48	73.3	70.4	•	10/18	1.0	1.0	35
USG 7495nRS	73.2	71.4	•	10/24	1.0	1.0	38
Schillinger 495.RC	73.1	69.5	67.9	10/17	1.0	1.0	36
Delta Grow 4975RR	73.0	71.9	68.8	10/23	1.0	1.0	41
Delta King DKX049	72.1	•	•	10/19	1.0	1.0	39

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Delta Grow 4770RR	72.0	68.7	65.8	10/18	1.7	1.0	34
Progeny 4949RR	72.0	65.0	65.4	10/23	1.0	1.0	36
Progeny 4807RR	71.9	70.3	65.1	10/18	1.0	1.0	31
Progeny 4706RR	71.8	64.3	61.3	10/10	1.0	1.0	35
USG 74F96	71.7	68.2	•	10/18	1.0	1.0	35
JGL 481	71.6	•	•	10/22	1.0	1.0	32
Schillinger 478.RCS	71.3	66.3	•	10/18	1.0	1.0	35
Deltapine DP4888RR/S	70.8	70.0	65.7	10/17	1.0	1.0	38
Delta King DK4968	70.5	66.1	65.1	10/23	1.0	1.0	38
Eagle Seed ES4777RR	70.5	67.0	68.8	10/25	1.0	1.0	39
MorSoy RTs4955N	70.5	67.0	66.3	10/26	1.0	1.0	30
Delta Grow 4780RR	70.4	64.9	65.3	10/16	1.0	1.0	33
Dyna-Gro V48N7RS	69.6	•	•	10/19	1.0	1.0	30
Willcross RR2484N	69.4	•	•	10/23	1.0	1.0	34
AgVenture AVEXA49B	69.2	•	•	10/19	1.0	1.0	30
USG 74G78	69.2	•	•	10/22	1.0	1.0	26
MorSoy RT4707N	68.9	68.9	64.2	10/20	1.0	1.0	37
MPG 4907nRR/STS	68.9	63.0	•	10/19	1.0	1.0	34
Armor 47-G10	68.6	•	•	10/20	1.0	1.0	33
HBK R4729	68.6	•	•	10/18	1.0	1.0	31
MPG 4705nRR	68.5	67.0	•	10/22	1.0	1.0	36
JGL 483	68.4	•	•	10/15	1.0	1.0	32
MorSoy RT4914N	68.2	63.2	60.6	10/18	1.0	1.0	38
Terral-REVTM 48R10	67.9	•	•	10/19	1.0	1.0	30
ASGROW AG4703	67.5	67.0	65.5	10/19	1.0	1.0	30
ASGROW AG4907	67.3	69.9	•	10/19	1.0	1.0	39
VP Maxx VPM49X1RR	67.3	•	•	10/20	1.0	1.0	34
Willcross RR2490NSTS	67.2	•	•	10/18	1.0	1.0	37
HBK R4727	67.1	64.9	63.5	10/14	1.0	1.0	31
Pioneer 94Y70	67.1	63.9	•	10/16	1.0	1.0	30
Delta King DK4770	66.8	65.0	64.7	10/13	1.0	1.0	34
Terral TV47R18	66.2	65.5	62.0	10/19	1.0	1.0	35
Progeny 4908RR	66.0	60.8	•	10/19	1.0	1.0	29
MPG 4808RR	65.9	63.6	65.2	10/20	1.0	1.0	40
NK S48-C9 Brand	65.9	•	•	10/13	1.0	1.0	31
USG 74A91	65.8	65.1	•	10/22	1.0	1.0	30
Delta Grow 4970RR	65.6	67.1	64.4	10/22	1.0	1.0	35

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Pioneer 94Y91	65.1	•	•	10/18	1.0	1.0	33
Terral-REVTM 47R11	65.0	•	•	10/18	1.0	1.0	30
Terral-REVTM 47R21	64.8	•	•	10/17	1.0	1.0	32
Armor ARX0473	64.6	•	•	10/16	1.0	1.0	33
Willcross RR2498NSTS	64.5	•	•	10/21	1.0	1.0	30
Pioneer 94Y90	64.3	60.0	•	10/18	1.0	1.0	33
Terral-REVTM 49R20	63.4	•	•	10/24	1.0	1.0	32
USG 74D79	63.1	•	•	10/16	1.0	1.0	30
NK S49-H7 Brand	62.7	61.3	60.7	10/22	1.0	1.0	39
MorSoy RT4919N	62.5	•	•	10/18	1.0	1.0	30
AgVenture AV47G3NRR	62.4	58.6	57.7	10/17	1.0	1.0	30
Stine 4782-4	62.1	67.8	66.8	10/19	1.0	1.0	30
Pioneer 94Y80	61.8	•	•	10/21	1.0	1.0	27
Willcross RR2477NSTS	61.6	•	•	10/18	1.0	1.0	27
MorSoy RTs4706N	60.2	65.6	63.3	10/23	1.0	1.0	28
Terral TV49R19	59.6	55.8	•	10/13	1.0	1.0	32
S06-3929	58.5	•	•	10/12	1.0	1.0	34
Willcross RR2878NSTS	58.4	•	•	10/16	1.0	1.0	32
Armor 47-F8	58.2	59.7	59.8	10/20	1.0	1.0	29
Dyna-Gro V47N9RS	58.2	•	•	10/18	1.0	1.0	28
Eagle Seed ES4922RR	58.2	•	•	10/21	1.0	1.0	37
Dyna-Gro 36Y48	57.7	61.4	61.8	10/20	1.0	1.0	29
Legacy 47-57RR	57.5	62.2	61.9	10/14	1.0	1.0	26
Terral-REVTM 49R21	57.1	•	•	10/18	1.0	1.0	38
Terral-REVTM 49R11	56.8	•	•	10/17	1.0	1.0	28
Willcross RR2470NSTS	56.7	•	•	10/17	1.0	1.0	30
HBK R4924	56.3	59.9	59.3	10/18	1.0	1.0	37
USG 74E88	55.4	•	•	10/20	1.0	1.0	34
NK S47-D9 Brand	54.3	54.8	•	10/16	1.0	1.0	28
GRAND MEAN	67.9	•	•	10/19	1.0	1.0	33
L.S.D. (0.05%)	9.5	•	•	3	0.1	•	•
C.V.	8.7	•	•	9	6.1	•	•

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
ASGROW AG5503	79.9	74.8	•	10/21	1.0	1.0	38
MorSoy RT5429N	76.2	•	•	10/27	1.7	1.0	40
N-ADR55806	74.8	•	•	10/27	1.0	1.0	39
Pioneer 95Y40	73.4	70.6	•	10/23	1.7	1.0	39
ASGROW AG5405	73.2	•	•	10/22	3.0	1.0	37
Terral TV52R79	72.4	69.3	•	10/25	1.7	1.0	37
Progeny 5218RR	72.1	70.2	•	10/24	2.7	1.0	41
Armor 55-A5	71.7	69.1	71.3	10/28	1.3	1.0	36
ASGROW AG5301	71.3	67.1	66.7	10/22	1.7	1.0	38
Delta King GP-533	71.1	66.6	67.7	10/25	1.7	1.0	38
N-ADR52718	70.9	•	•	10/19	1.0	1.0	41
USG 7553nRS	70.8	72.0	71.2	10/25	2.0	1.0	38
MPG 5505nRR/STS	70.7	74.5	70.9	10/24	2.0	1.0	39
DELTAPINE DP5335RR/S	70.6	69.1	69.1	10/24	2.0	1.0	40
Progeny 5409RR	70.6	•	•	10/26	1.0	1.0	42
Willcross RR2544NSTS	70.5	•	•	10/24	1.3	1.0	41
MorSoy RT5388N	69.9	67.8	•	10/27	1.0	1.0	40
Terral-REVTM 53R11	69.8	•	•	10/21	1.3	1.0	46
Terral-REVTM 55R11	69.8	•	•	10/28	1.7	1.0	38
AGS 554RR	69.7	•	•	10/25	3.0	1.0	36
ASGROW DK5068	69.6	67.6	66.4	10/20	1.0	1.0	33
Dyna-Gro V51N7RS	69.6	•	•	10/24	1.0	1.0	43
Stine EXP 5.4R1	69.6	•	•	10/18	1.0	1.0	34
AgVenture AV51X5RR/STS	69.5	67.1	•	10/22	1.0	1.0	41
Delta Grow 5170RR	69.5	69.2	•	10/19	1.0	1.0	34
Delta King GP-500	69.3	67.0	65.4	10/22	1.7	1.0	37
AgVenture AV50X6RR	69.2	66.0	•	10/23	1.0	1.0	34
Dyna-Gro 32A53	69.0	66.3	63.5	10/26	1.7	1.0	38
Pioneer 95Y01	68.6	•	•	10/19	1.0	1.0	34
MPG 5308nRR	68.5	66.5	65.2	10/24	2.0	1.0	38
Delta Grow 5280RR	68.0	•	•	10/27	2.3	1.0	37
Schillinger 557.RCP	67.9	66.6	68.0	10/26	1.3	1.0	41
NK S52-F2 Brand	67.7	68.3	66.2	10/20	2.0	1.0	38
Delta King DK 5363	67.6	•	•	10/26	3.3	1.0	45
AgVenture AV54X4RR	67.5	66.1	•	10/24	1.7	1.0	35
NK S54-M7 Brand	67.0	•	•	10/20	2.0	1.0	40
Delta Grow 5555RR	66.6	65.2	65.9	10/26	3.0	1.0	37

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 DK52K6	66.1	65.9	68.3	10/23	2.0	1.0	38
Progeny 5309RR	66.1	•	•	10/24	1.0	1.0	41
HBK R5226	65.9	65.7	65.2	10/25	3.3	1.0	40
Terral-REVTM 53R21	65.8	•	•	10/19	1.0	1.0	42
Armor 53-Z5	65.7	66.4	•	10/25	1.0	1.0	35
Pioneer 95Y30	65.0	•	•	10/23	1.7	1.0	42
Dyna-Gro 33X55	64.9	65.4	68.2	10/24	1.0	1.0	36
Legacy 54-17RR/STS	64.5	64.3	•	10/27	1.0	1.0	43
Terral-REVTM 54R10	64.4	•	•	10/22	1.7	1.0	47
Eagle Seed ES5507RR	64.3	•	•	10/25	2.3	1.0	44
Schillinger 5440.RC	64.3	•	•	10/23	1.3	1.0	30
Terral TV54R28	64.3	61.1	63.9	10/21	1.3	1.0	40
HBK R5525	64.2	69.0	69.1	10/27	4.0	1.0	33
Progeny 5115RR	64.2	62.7	61.1	10/18	1.0	1.0	36
Willcross RR2542N	64.2	•	•	10/27	1.0	1.0	34
Terral TV55R20	64.1	•	•	10/28	2.3	1.0	40
Delta Grow 5300RR/STS	63.0	66.6	64.9	10/20	1.0	1.0	41
MorSoy RT5168N	63.0	65.1	•	10/22	1.0	1.0	33
Croplan RC5419	62.9	•	•	10/25	2.7	1.0	46
Dyna-Gro 35F55	62.6	63.9	•	10/27	2.7	1.0	42
S06-3095	62.2	•	•	10/22	1.7	1.0	39
Willcross RR2547N	62.2	•	•	10/23	1.0	1.0	37
Progeny 5319RR	62.0	•	•	10/28	2.0	1.0	40
Dyna-Gro 33B52	60.8	62.9	60.0	10/22	1.0	1.0	38
HBK R5229	60.8	•	•	10/22	1.3	1.0	37
USG 75M49	60.6	•	•	10/23	3.0	1.0	37
Dyna-Gro 31R54	60.4	61.0	59.8	10/20	1.0	1.0	36
Legacy 55-56RR	60.4	•	•	10/24	2.0	1.0	36
Eagle Seed ES5519RR	59.8	63.5	•	10/25	2.0	1.0	40
MPG 5407nRR	59.7	63.9	64.6	10/20	1.0	1.0	39
S06-3027	59.5	•	•	10/21	4.0	1.0	43
Terral TV55R15	59.1	62.3	62.6	10/23	1.7	1.0	41
HBK R5425	57.9	60.3	61.0	10/26	1.0	1.0	41
MorSoy RT5229N	56.1	•	•	10/21	1.0	1.0	35
GRAND MEAN	66.7	•	•	10/24	1.7	1.0	39
L.S.D. (0.05%)	5.9	•	•	3	0.7	•	•
C.V.	5.5	•	•	7	25.6	•	•

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
HBK R5825	73.1	71.9	68.5	10/28	2.0	1.0	37
Croplan RC5663	72.5	67.1	•	10/23	1.0	1.0	35
ASGROW AG5606	72.1	69.3	•	10/26	3.0	1.0	40
Progeny 5622RR	70.4	67.9	•	10/29	2.0	1.0	40
Channel 5651	69.0	•	•	10/29	1.7	1.0	41
AGS 597	68.9	•	•	10/30	1.0	1.0	31
AGS 568RR	68.6	67.1	68.9	10/27	1.3	1.0	38
NK S56-L5 Brand	68.5	•	•	10/23	1.0	1.0	37
Dyna-Gro 32B57	68.4	65.4	•	10/25	2.0	1.0	40
ASGROW AG5605	67.6	69.9	68.2	10/26	1.0	1.0	37
Terral TV59R16	67.1	67.3	66.5	10/28	2.0	1.0	39
Progeny 5706RR	67.0	66.1	67.1	10/28	2.0	1.0	45
N-ADR56203	66.8	•	•	10/21	1.0	1.0	39
MorSoy RT5688N	66.5	64.5	•	10/30	2.0	1.0	37
Pioneer 95Y70	66.2	62.6	•	10/28	1.7	1.0	39
Dyna-Gro 33C59	66.1	68.1	66.0	10/28	1.0	1.0	37
Delta Grow 5970RR	66.0	64.5	64.7	10/29	1.0	1.0	41
USG ALLEN	65.7	62.2	61.1	10/28	1.0	1.0	40
DELTAPINE DP5915RR	65.1	60.6	64.4	10/28	2.0	1.0	33
USG 7582nRR	64.8	70.2	69.6	10/29	1.0	1.0	31
ASGROW AG5905	64.1	66.0	66.3	10/26	1.0	1.0	36
AGS 606RR	63.2	64.8	66.0	10/28	1.0	1.0	36
Progeny 5650RR	63.1	62.5	66.2	11/02	3.0	1.0	38
USG 75Z98	62.7	64.7	•	10/30	1.0	1.0	36
Terral TV57R16	62.2	•	•	10/26	2.3	1.0	44
GRAND MEAN	67.0	•	•	10/27	1.6	1.0	38
L.S.D. (0.05%)	6.0	•	•	2	0.4	•	•
C.V.	5.4	•	•	5	14.3	•	•

Table 12. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Soil Series	Sharkey silty clay
Soil pH	6.8
Previous Crop	Corn
Row Width	Four 8-inch rows on two 38-inch beds
Planting Date	6/24
Herbicide Applications	Metribuzin + Metolachlor, 6/23; Roundup™, 7/16, 8/10
Fungicide Applications	Quadris + Domark, 9/1, 9/17
Irrigation Dates	8/13, 8/28, 9/1
Harvest Dates	MG 4E 11/11; MG 4L 11/11; MG 5E 11/11; MG 5L 11/11

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2009	7.1	5.0	8.3	2.9	3.2	9.4	35.9
Average	5.2	4.0	3.7	2.8	3.9	3.0	22.6
Departure	1.9	1.0	4.6	0.1	- 0.7	6.4	13.3

**Table 13. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Center, Marianna, AR, 2009^{1,2}.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
MorSoy RT5388N	64.3	71.8	•	•	3.0	1.3	42
Delta King DK52K6	63.4	64.6	66.7	•	2.3	1.3	44
HBK R5226	58.0	59.0	61.9	•	4.3	1.0	36
NK S54-M7 Brand	56.5	•	•	•	3.3	1.0	44
MorSoy RT5429N	55.8	•	•	•	2.0	1.3	31
Armor 55-A5	55.7	63.1	67.1	•	3.0	1.7	38
Terral TV52R79	55.6	60.4	•	•	3.7	1.3	41
Legacy 54-17RR/STS	55.3	62.0	•	•	3.3	1.3	43
Terral-REVTM 54R10	55.3	•	•	•	3.7	1.3	44
AgVenture AV54X4RR	55.2	56.8	•	•	4.0	1.0	41
Delta King DK 5363	55.1	•	•	•	3.3	1.7	42
Terral TV55R15	54.7	58.4	59.9	•	4.3	1.3	48
Progeny 5218RR	54.5	59.6	•	•	4.3	1.3	39
Schillinger 557.RCP	54.5	63.7	66.9	•	4.0	1.3	43
Eagle Seed ES5519RR	54.2	56.0	•	•	3.3	1.7	40
Dyna-Gro 33X55	53.3	55.4	61.4	•	3.0	1.0	37
Delta Grow 5280RR	53.2	•	•	•	3.7	1.7	29
Willcross RR2542N	53.0	•	•	•	4.3	1.7	32
USG 75M49	52.8	•	•	•	4.3	1.7	39
Pioneer 95Y01	52.7	•	•	•	3.3	1.0	45
Progeny 5309RR	52.3	•	•	•	4.0	1.0	50
HBK R5525	51.9	60.1	64.6	•	3.0	1.3	41
Legacy 55-56RR	51.4	•	•	•	4.0	1.3	39
Dyna-Gro 31R54	51.2	57.1	58.4	•	3.0	1.0	35
Progeny 5409RR	51.1	•	•	•	4.0	1.3	46
NK S52-F2 Brand	50.7	58.7	61.1	•	3.0	1.0	35
Delta Grow 5555RR	50.5	53.0	57.5	•	4.0	1.3	40
Eagle Seed ES5507RR	50.5	•	•	•	3.3	1.3	43
Terral TV55R20	50.5	•	•	•	3.3	1.0	48
Terral TV54R28	50.2	56.3	58.9	•	2.3	1.7	44
Pioneer 95Y40	49.5	56.9	•	•	2.3	1.3	33
Dyna-Gro 32A53	49.3	57.5	56.1	•	4.0	1.7	38
Dyna-Gro V51N7RS	49.1	•	•	•	4.0	1.3	33
MorSoy RT5229N	49.0	•	•	•	4.0	1.3	38
Progeny 5319RR	48.8	•	•	•	4.0	1.7	46
Terral-REVTM 53R11	48.8	•	•	•	3.0	1.3	42
Delta Grow 5300RR/STS	48.7	63.1	63.0	•	3.3	1.3	41

**Table 13. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Center, Marianna, AR, 2009^{1,2}, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year 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 R5229	48.6	•	•	•	4.3	1.0	40
HBK R5425	48.6	52.6	54.6	•	3.0	1.0	45
S06-3095	48.6	•	•	•	3.3	1.3	35
Willcross RR2547N	48.2	•	•	•	2.7	1.3	52
Willcross RR2544NSTS	48.0	•	•	•	4.0	1.7	40
Delta King GP-533	47.9	56.2	60.3	•	4.0	1.0	40
Dyna-Gro 35F55	47.7	52.5	•	•	3.7	1.3	47
Dyna-Gro 33B52	47.6	56.5	59.0	•	4.0	1.7	35
USG 7553nRS	47.5	58.2	62.8	•	3.0	1.3	39
AgVenture AV51X5RR/STS	47.1	59.8	•	•	4.0	1.7	53
Stine EXP 5.4R1	47.0	•	•	•	3.3	1.3	45
MPG 5505nRR/STS	46.9	59.9	63.5	•	3.7	1.7	36
Schillinger 5440.RC	46.1	•	•	•	3.0	1.0	35
DELTAPINE DP5335RR/S	46.0	58.5	60.1	•	3.3	1.7	45
MPG 5407nRR	45.9	59.1	62.2	•	2.0	1.3	51
AGS 554RR	45.3	•	•	•	4.0	1.0	39
ASGROW AG5301	45.0	57.9	59.1	•	3.0	1.7	47
Progeny 5115RR	44.5	56.7	57.8	•	3.0	1.3	45
ASGROW AG5503	44.4	55.8	•	•	3.7	1.7	41
MPG 5308nRR	44.3	58.4	60.5	•	4.3	1.3	40
Croplan RC5419	43.7	•	•	•	4.7	1.0	49
Terral-REVTM 53R21	43.6	•	•	•	4.0	1.3	48
N-ADR52718	43.2	•	•	•	3.0	1.3	42
N-ADR55806	43.1	•	•	•	3.3	1.7	32
Delta King GP-500	42.8	54.5	58.4	•	3.3	1.0	44
ASGROW AG5405	42.5	•	•	•	3.0	1.3	34
MorSoy RT5168N	42.4	58.9	•	•	3.3	1.3	39
Delta Grow 5170RR	41.7	58.4	•	•	3.7	1.0	41
Terral-REVTM 55R11	41.7	•	•	•	5.0	1.3	42
Armor 53-Z5	40.9	57.7	•	•	4.0	1.7	32
ASGROW DK5068	40.5	57.0	55.7	•	3.3	2.0	40
Pioneer 95Y30	40.3	•	•	•	3.7	2.0	40
AgVenture AV50X6RR	39.6	55.8	•	•	3.7	1.7	38
S06-3027	37.7	•	•	•	4.0	1.5	40
GRAND MEAN	49.1	•	•	•	3.5	1.4	41
L.S.D. (0.05%)	10.8	•	•	•	1.9	0.8	•
C.V.	13.6	•	•	•	34.2	38.3	•

Table 13. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, AR, 2009^{1,2}, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Dyna-Gro 33C59	57.6	62.2	64.7	10/05	3.7	1.3	43
N-ADR56203	57.3	•	•	09/29	3.0	1.0	43
DELTAPINE DP5915RR	56.8	64.1	64.1	10/08	2.3	1.3	46
Progeny 5622RR	56.4	61.3	•	10/08	3.3	1.0	45
AGS 597	56.1	•	•	10/05	2.3	1.0	38
Croplan RC5663	55.3	64.8	•	10/02	4.0	1.3	44
Terral TV59R16	55.2	60.1	61.9	10/06	2.3	1.0	40
USG 75Z98	54.7	62.0	•	10/03	3.0	1.0	37
Progeny 5706RR	54.1	57.8	57.2	10/17	2.7	1.0	43
ASGROW AG5606	54.0	61.6	•	10/03	4.0	1.0	45
MorSoy RT5688N	53.9	61.0	•	10/05	2.7	1.0	38
USG ALLEN	53.6	60.1	61.4	10/09	2.0	1.3	44
ASGROW AG5605	53.0	62.8	64.8	10/01	1.3	1.3	43
AGS 568RR	52.8	59.6	61.9	10/04	1.7	1.0	43
NK S56-L5 Brand	52.1	•	•	09/30	2.3	1.0	43
HBK R5825	51.1	57.6	58.3	10/09	2.0	0.9	45
USG 7582nRR	50.8	61.3	60.2	10/09	2.7	1.0	44
ASGROW AG5905	50.3	59.3	60.3	10/06	2.3	1.3	47
Dyna-Gro 32B57	49.9	55.1	•	10/02	1.7	1.3	41
AGS 606RR	48.3	54.1	55.8	10/08	1.0	1.0	39
Pioneer 95Y70	48.2	51.5	•	10/11	4.0	0.9	44
Terral TV57R16	48.0	•	•	10/03	3.7	1.3	42
Channel 5651	47.9	•	•	10/05	2.3	1.3	48
Delta Grow 5970RR	46.9	56.7	59.2	10/13	3.4	1.0	41
Progeny 5650RR	46.7	53.8	56.4	10/14	3.7	1.7	45
GRAND MEAN	52.4	•	•	10/06	2.7	1.1	43
L.S.D. (0.05%)	7.4	•	•	2	1.0	0.7	•
C.V.	8.6	•	•	4	23.4	35.3	•

¹MG IV E and MG IV L tests were discarded because of poor uniformity and low yields due to heavy and persistent rains.

²Yields at this location were reduced due to heavy and persistent rains. The possibility of reduced yields due to Root-knot nematodes is also being investigated.

**Table 13. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Lon Mann Cotton Research Center, Marianna, AR, 2009^{1,2}, Continued.**

Soil Series	Calloway silt loam
Soil pH	7.1
Previous Crop	Corn
Row Width	30"
Fertilizer Applied	0-0-100, 4/8
Planting Date	6/2
Herbicide Applications	Roundup™ + Dual Magnum, 6/2; Storm, 6/18; Roundup™, 6/23
Irrigation Dates	6/14, 6/27, 8/14, 8/26
Harvest Dates	MG 5E 11/5; MG 5L 10/21

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2009	3.8	13.0	3.5	8.6	2.5	4.8	36.2
Average	5.4	5.2	3.4	4.0	2.8	4.0	24.8
Departure	- 1.6	7.8	0.1	4.6	- 0.3	0.8	11.4

Table 14. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, AR, 2009¹.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Delta Grow 4790RR2	85.8	•	•	09/25	1.3	1.0	35
Progeny 4906RR	85.0	77.8	74.5	09/23	2.0	1.0	35
Delta Grow 4975RR	84.2	81.4	78.4	09/23	2.0	1.0	39
Progeny 4908RR	84.1	79.0	•	09/25	1.0	1.0	36
USG 74A79	84.1	•	•	09/25	1.7	1.0	32
MPG 4907nRR/STS	83.8	74.3	•	09/26	2.7	1.0	33
Dyna-Gro 36Y48	83.5	79.3	76.9	09/27	3.0	1.0	42
USG 74A91	83.0	77.9	•	09/24	1.7	1.0	41
Armor ARX0471	82.3	•	•	09/26	1.3	1.0	35
Dyna-Gro 37P49	81.7	78.7	76.7	09/24	1.7	1.0	36
Terral-REVTM 47R11	81.5	•	•	09/19	1.0	1.0	39
Pioneer 94Y80	80.8	•	•	09/22	3.0	1.0	39
AgVenture AVEXA49B	80.5	•	•	09/24	1.0	1.0	35
Willcross RR2498NSTS	80.5	•	•	09/25	2.7	1.0	41
ASGROW AG4903	80.3	75.0	73.5	09/23	2.0	1.0	37
USG 74F96	80.2	75.5	•	09/25	1.3	1.0	39
Armor 47-R33	79.8	•	•	09/21	1.3	1.0	35
HBK R4729	79.7	•	•	09/25	1.7	1.0	35
ASGROW AG4703	79.6	78.0	71.8	09/23	1.0	1.0	36
MorSoy RTs4824	79.5	•	•	09/23	1.7	1.0	37
USG 7495nRS	79.5	76.2	•	09/22	3.0	1.0	42
MorSoy RTs4955N	79.1	74.8	72.1	09/26	2.0	1.0	43
Terral-REVTM 48R10	78.1	•	•	09/22	2.7	1.0	37
MPG 4909nRR	77.9	75.7	•	09/23	1.0	1.0	37
ASGROW DK4866	77.8	77.2	71.6	09/24	1.3	1.0	40
Pioneer 94Y70	77.8	75.7	•	09/22	1.7	1.0	41
MPG 4808RR	77.4	74.9	70.4	09/25	2.7	1.0	45
Armor 47-F8	77.3	71.5	68.1	09/23	1.0	1.0	30
Delta King DK4968	77.3	74.4	71.8	09/23	2.0	1.0	41
MorSoy RT4919N	77.3	•	•	09/24	1.0	1.0	32
JGL 483	77.2	•	•	09/24	1.0	1.0	34
ASGROW AG4907	77.0	74.7	•	09/24	2.7	1.0	40
Delta Grow 4970RR	76.9	75.7	72.0	09/27	1.3	1.0	31
Channel 4A81RS	76.7	•	•	09/22	1.3	1.0	36
MorSoy RT4707N	76.2	73.8	69.0	09/23	1.3	1.0	40
USG 74D79	76.1	•	•	09/25	1.0	1.0	35
MorSoy RT4914N	75.7	75.9	73.1	09/26	2.3	1.0	37

**Table 14. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Rice Research and Extension Center, Stuttgart, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Terral-REVTM 49R10	75.6	•	•	09/23	4.0	1.0	45
Pioneer 94Y90	75.5	70.4	•	09/23	1.3	1.0	36
Delta Grow 4770RR	75.4	75.7	70.6	09/21	3.7	1.0	40
Progeny 4706RR	75.4	72.5	67.6	09/24	3.3	1.0	40
Progeny 4807RR	75.4	76.3	71.7	09/23	2.0	1.0	40
Willcross RR2477NSTS	74.9	•	•	09/24	1.0	1.0	29
HBK R4727	74.7	75.9	70.7	09/21	2.0	1.0	37
JGL 482	74.7	•	•	09/23	2.0	1.0	35
NK S48-C9 Brand	74.7	•	•	09/23	1.0	1.0	33
Schillinger 495.RC	74.4	72.1	70.6	09/25	2.7	1.0	34
Schillinger 4880.RC	74.2	•	•	09/24	1.7	1.0	34
Stine 4782-4	74.2	71.6	68.6	09/23	1.0	1.0	30
Pioneer 94Y91	74.1	•	•	09/26	2.0	1.0	30
Schillinger 478.RCS	74.1	74.0	•	09/25	1.0	1.0	35
MorSoy RTs4706N	73.6	74.3	69.8	09/26	1.0	1.0	30
Deltapine DP4888RR/S	73.3	72.8	68.5	09/23	2.3	1.0	36
Legacy 47-57RR	73.3	74.4	71.7	09/25	1.0	1.0	37
Progeny 4949RR	73.3	69.9	66.8	09/25	1.0	1.0	39
Terral-REVTM 47R21	73.3	•	•	09/23	1.0	1.0	31
Terral-REVTM 49R20	73.3	•	•	09/23	4.0	1.0	39
Dyna-Gro V48N7RS	73.2	•	•	09/24	1.0	1.0	30
VP Maxx VPM49X1RR	72.5	•	•	09/24	2.3	1.0	40
Dyna-Gro 32P48	72.2	75.8	•	09/23	1.0	1.0	35
USG 74A88	71.5	72.7	•	09/23	1.3	1.0	36
JGL 481	71.1	•	•	09/24	1.3	1.0	37
Schillinger 499.RC	70.7	72.1	•	09/25	2.0	1.0	42
Schillinger 4990.RC	70.7	•	•	09/25	1.0	1.0	34
Terral TV47R18	70.5	70.5	67.7	09/23	3.0	1.0	41
Armor 47-G10	70.1	•	•	09/24	1.7	1.0	37
Eagle Seed ES4777RR	69.9	71.1	71.2	09/24	1.0	1.0	30
Delta King DKX049	69.8	•	•	09/23	2.7	1.0	39
Willcross RR2490NSTS	69.8	•	•	09/25	1.3	1.0	33
Delta King DK4770	69.7	73.8	71.7	09/23	2.0	1.0	40
Terral TV49R19	69.5	64.9	•	09/25	1.0	1.0	37
AgVenture AV47G3NRR	69.4	68.6	64.2	09/24	1.3	1.0	31
Delta Grow 4780RR	69.2	71.7	69.5	09/26	1.0	1.0	33
USG 74G78	69.0	•	•	09/23	1.0	1.0	29

Table 14. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, AR, 2009¹, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
Terral-REVTM 49R21	68.7	•	•	09/23	2.0	1.0	42
Delta Grow 4870RR	68.6	74.4	•	09/22	1.0	1.0	36
Terral-REVTM 49R11	68.4	•	•	09/26	1.0	1.0	30
MPG 4705nRR	68.2	72.3	•	09/21	2.0	1.0	34
NK S47-D9 Brand	67.9	67.8	•	09/23	1.0	1.0	32
NK S49-H7 Brand	67.8	68.5	67.4	09/23	1.0	1.0	35
USG 74E88	66.8	•	•	09/22	1.3	1.0	37
HBK R4924	66.6	67.1	67.3	09/26	2.7	1.0	41
Armor ARX0473	66.3	•	•	09/23	1.7	1.0	35
Willcross RR2470NSTS	64.8	•	•	09/20	1.0	1.0	32
Eagle Seed ES4922RR	63.0	•	•	09/23	1.7	1.0	42
Willcross RR2878NSTS	61.8	•	•	09/21	1.0	1.3	39
Dyna-Gro V47N9RS	61.4	•	•	09/19	1.3	1.0	33
S06-3929	60.8	•	•	09/24	1.0	1.0	35
Willcross RR2484N	54.5	•	•	09/21	1.7	1.0	37
GRAND MEAN	74.3	•	•	09/24	1.7	1.0	36
L.S.D. (0.05%)	8.0	•	•	4	0.7	0.1	•
C.V.	6.7	•	•	10	24.0	6.1	•

Maturity Group V Early (RM 5.0 to 5.5)

USG 75M49	80.8	•	•	09/30	1.0	1.0	27
Legacy 55-56RR	80.6	•	•	09/26	1.0	1.0	30
ASGROW AG5503	80.4	73.7	•	09/28	2.3	1.0	40
Pioneer 95Y40	79.8	78.4	•	10/01	1.3	1.0	30
MorSoy RT5429N	79.7	•	•	10/08	1.0	1.0	33
N-ADR55806	79.1	•	•	10/03	1.0	1.0	29
Delta Grow 5555RR	78.7	73.1	72.8	10/08	3.3	1.0	39
MPG 5308nRR	77.5	68.1	65.7	10/03	2.0	1.0	34
Delta King GP-500	76.5	75.6	71.0	09/24	2.7	1.0	35
Terral-REVTM 55R11	76.5	•	•	10/08	3.3	1.0	35
Dyna-Gro 33X55	76.3	70.2	69.3	10/08	1.3	1.0	26
Delta King GP-533	76.0	70.6	70.2	10/03	1.3	1.0	34
NK S54-M7 Brand	76.0	•	•	10/04	1.3	1.0	28
Armor 55-A5	75.6	72.1	71.4	10/03	1.0	1.0	29
ASGROW AG5301	75.4	71.2	66.8	10/01	1.0	1.0	34

**Table 14. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Rice Research and Extension Center, Stuttgart, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year 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 AG5405	75.1	•	•	10/04	1.0	1.0	27
Dyna-Gro V51N7RS	75.0	•	•	09/24	1.3	1.0	37
Dyna-Gro 32A53	74.7	66.7	64.7	10/03	2.0	1.0	34
Terral-REVTM 54R10	74.4	•	•	09/28	3.0	1.0	31
Delta Grow 5300RR/STS	74.2	71.6	69.1	10/01	1.0	1.0	29
Stine EXP 5.4R1	74.0	•	•	09/22	2.0	1.0	35
Progeny 5115RR	73.9	69.4	71.6	09/24	3.0	1.0	42
Terral TV55R15	73.9	67.7	70.0	10/04	3.0	1.0	31
S06-3095	73.8	•	•	09/22	3.0	1.0	39
Terral TV54R28	73.8	70.2	66.8	10/01	2.7	1.0	39
Willcross RR2544NSTS	73.8	•	•	10/03	1.0	1.0	35
HBK R5525	73.6	69.0	69.2	10/08	1.3	1.0	35
Dyna-Gro 33B52	73.5	73.3	69.8	09/30	1.3	1.0	27
Progeny 5319RR	73.4	•	•	09/30	3.3	1.0	37
Pioneer 95Y30	73.0	•	•	09/26	3.3	1.0	35
AgVenture AV50X6RR	72.6	73.3	•	09/22	3.0	1.0	38
Delta Grow 5280RR	72.5	•	•	09/30	1.0	1.0	30
MPG 5505nRR/STS	72.5	73.0	69.9	09/30	1.0	1.0	31
N-ADR52718	71.9	•	•	10/05	3.0	1.0	45
Armor 53-Z5	71.4	68.2	•	10/01	1.0	1.0	30
Schillinger 5440.RC	71.4	•	•	10/05	1.0	1.0	30
AGS 554RR	71.1	•	•	10/05	2.0	1.0	31
Croplan RC5419	70.7	•	•	10/03	3.3	1.0	37
Dyna-Gro 35F55	70.7	68.0	•	10/06	3.0	1.0	26
Terral TV55R20	70.6	•	•	09/30	3.0	1.0	35
MorSoy RT5229N	70.5	•	•	10/01	1.0	1.0	34
Delta King DK52K6	70.3	66.1	67.3	10/03	1.3	1.0	33
USG 7553nRS	70.3	70.5	66.6	09/28	1.0	1.0	30
Progeny 5218RR	70.2	65.4	•	09/30	1.7	1.0	26
AgVenture AV51X5RR/STS	70.1	66.9	•	09/28	2.0	1.0	49
Delta King DK 5363	70.1	•	•	10/03	2.7	1.0	32
Pioneer 95Y01	70.0	•	•	09/24	3.7	1.0	40
ASGROW DK5068	69.6	70.8	67.8	09/29	2.7	1.0	39
HBK R5226	69.5	65.7	65.2	10/03	1.3	1.0	31
Eagle Seed ES5519RR	68.5	65.6	•	10/08	1.0	1.0	34
MorSoy RT5168N	68.5	68.6	•	09/22	2.7	1.0	37
Eagle Seed ES5507RR	68.4	•	•	10/05	2.3	1.0	27

Table 14. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, AR, 2009¹, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 5409RR	68.2	•	•	09/30	3.0	1.0	40
Terral-REVTM 53R11	67.8	•	•	10/01	2.0	1.0	37
S06-3027	67.3	•	•	09/22	3.7	1.0	35
DELTAPINE DP5335RR/S	67.2	65.8	65.1	09/26	2.0	1.0	45
NK S52-F2 Brand	67.2	65.0	64.1	09/26	1.3	1.0	26
AgVenture AV54X4RR	66.9	64.8	•	10/03	2.0	1.0	32
Terral TV52R79	66.6	65.5	•	09/30	1.0	1.0	31
HBK R5229	66.2	•	•	10/03	1.7	1.0	36
Willcross RR2542N	64.5	•	•	10/01	1.0	1.0	27
MorSoy RT5388N	64.1	63.3	•	09/30	1.0	1.0	35
Schillinger 557.RCP	63.7	63.6	65.5	10/03	1.0	1.0	27
MPG 5407nRR	62.7	67.2	65.7	09/30	3.0	1.0	50
Terral-REVTM 53R21	62.3	•	•	09/24	3.0	1.0	31
Delta Grow 5170RR	62.0	65.6	•	09/22	1.7	1.0	34
HBK R5425	61.6	62.4	64.6	10/06	2.5	1.0	45
Legacy 54-17RR/STS	61.6	58.4	•	10/03	3.0	1.0	47
Progeny 5309RR	61.3	•	•	10/05	3.0	1.0	46
Dyna-Gro 31R54	61.0	61.3	61.7	09/30	1.7	1.0	35
Willcross RR2547N	61.0	•	•	09/30	2.7	1.0	39
GRAND MEAN	71.2	•	•	10/01	2.0	1.0	34
L.S.D. (0.05%)	6.4	•	•	6	0.7	•	•
C.V.	5.6	•	•	13	20.7	•	•

Maturity Group V Late (RM 5.6 to 5.9)

Dyna-Gro 33C59	83.2	74.7	72.3	10/08	2.0	1.0	35
ASGROW AG5606	80.3	76.4	•	10/05	3.0	1.0	41
Terral TV59R16	78.7	73.2	73.8	10/08	2.3	1.0	39
MorSoy RT5688N	77.4	71.3	•	10/05	2.3	1.0	34
USG 75Z98	77.4	72.9	•	10/05	2.0	1.0	36
ASGROW AG5605	76.8	73.0	68.7	10/05	1.0	1.0	35
N-ADR56203	76.7	•	•	09/26	1.0	1.0	30
USG ALLEN	74.7	70.0	66.9	10/05	2.0	1.0	40
NK S56-L5 Brand	74.6	•	•	10/05	1.3	1.0	35
Progeny 5706RR	74.4	67.7	71.2	10/08	1.3	1.0	35
USG 7582nRR	74.3	68.1	70.3	10/08	1.7	1.0	32

**Table 14. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains,
Rice Research and Extension Center, Stuttgart, AR, 2009¹, Continued.**

Variety/Experimental Line	2009	2-Year Average	3-Year 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 597	74.0	•	•	10/03	2.7	1.0	37
AGS 568RR	73.8	65.9	67.2	10/08	1.3	1.0	31
Croplan RC5663	73.5	69.3	•	10/03	3.0	1.0	32
Channel 5651	73.5	•	•	10/08	2.3	1.0	35
ASGROW AG5905	72.9	67.0	65.1	10/08	1.3	1.0	37
Delta Grow 5970RR	72.9	68.7	69.8	10/08	1.3	1.0	36
Terral TV57R16	72.4	•	•	10/05	3.3	1.0	36
DELTAPINE DP5915RR	72.0	65.2	65.1	10/01	2.0	1.0	36
Progeny 5622RR	71.7	66.4	•	10/08	1.0	1.0	33
Progeny 5650RR	70.8	70.6	70.2	10/05	2.7	1.0	35
Pioneer 95Y70	70.3	64.4	•	10/06	3.3	1.0	36
HBK R5825	69.8	67.9	64.8	10/08	2.3	1.0	33
AGS 606RR	66.8	64.6	65.8	10/08	1.7	1.0	30
Dyna-Gro 32B57	66.6	59.6	•	10/03	2.0	1.0	33
GRAND MEAN	74.0	•	•	10/06	2.0	1.0	35
L.S.D. (0.05%)	6.3	•	•	7	1.0	•	•
C.V.	5.2	•	•	12	31.3	•	•

¹A MG 4 E test was also established at this location but was discarded because of poor uniformity and low yields due to heavy and persistent rains.

Soil Series	Crowley silt Loam
Soil pH	6.0
Previous Crop	Rice
Row Width	30 inches
Fertilizer Applied	0-100-120, 4/27
Planting Date	5/19
Herbicide Applications	Scepter + Prowl, 4/29; Roundup™, 5/21; Poast Plus, 6/29; Select Max, 8/24
Irrigation Dates	7/3, 8/18
Harvest Dates	MG 4L, 10/21; MG 5E, 11/9, MG 5L, 11/9

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2009	11.5	3.1	11.3	4.9	4.1	15.0	49.9
Average	4.7	3.6	3.4	2.8	4.1	2.7	21.3
Departure	6.8	- 0.5	7.9	2.1	0.0	12.3	28.6

Table 15. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009^{1,2,3}.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
USG 74A69	57.9	•	•	10/01	1.0	1.0	33
Delta King DKX0461	54.7	•	•	10/01	1.0	1.0	34
Delta King DKR 4744s	52.7	•	•	10/01	1.0	1.0	32
Schillinger 458.RCS	52.0	52.3	•	09/30	1.0	1.0	30
S06-10572	51.2	•	•	09/28	1.0	1.0	34
Progeny 4606RR	50.5	54.0	57.2	09/30	1.0	1.0	30
Progeny 4206RR	50.1	47.0	51.9	09/25	1.5	1.0	32
Dyna-Gro 32R46	49.6	49.1	51.9	09/29	1.0	1.0	30
Dyna-Gro 33Y45	49.0	48.0	54.3	09/27	1.0	1.0	34
ASGROW AG4605	48.8	49.5	52.2	09/25	1.0	1.0	28
Delta King DK4560	48.2	48.7	53.1	09/27	1.0	1.0	35
Channel 4A65RS	47.8	•	•	09/24	1.0	1.0	35
Terral-REVTM 44R11	47.7	•	•	09/24	1.0	1.0	35
USG 74C69	47.3	•	•	09/28	2.0	1.0	38
HBK R4527	47.1	47.2	50.4	09/24	1.0	1.0	36
AgVenture AV45X5RR	46.1	•	•	09/29	1.0	1.0	36
Dyna-Gro 36C44	46.0	40.3	•	09/23	1.0	1.0	30
Terral TV46R15	45.8	45.5	49.7	09/25	1.5	1.0	40
Willcross RR2446N	44.8	•	•	09/25	1.0	1.0	35
MPG 4509nRR/STS	44.7	41.1	•	09/26	1.0	1.0	31
USG 74A45	44.5	42.3	•	09/23	1.0	1.0	38
ASGROW AG4303	43.8	42.6	•	09/25	1.0	1.0	26
NK S46-U6 Brand	43.0	45.3	50.2	09/29	1.0	1.0	37
Pioneer 94Y60	42.7	45.4	•	09/27	1.0	1.0	32
Terral-REVTM 46R11	42.3	•	•	09/27	1.0	1.0	35
MorSoy RT4485N	41.4	41.3	46.0	09/25	1.5	1.0	37
Armor 42-M1	40.9	39.4	45.6	09/25	1.0	1.0	30
Schillinger 457.RCP	40.4	46.2	50.4	09/28	2.0	1.0	35
VP Maxx VPM44X1RR	40.3	•	•	09/24	1.0	1.0	35
Armor ARX0432	39.4	•	•	09/28	1.0	1.0	32
ASGROW DKB46-51	39.1	43.1	48.4	09/23	1.0	1.0	36
Armor ARX0431	39.0	•	•	09/25	1.0	1.0	32
ASGROW AG4005	38.9	•	•	09/21	1.0	1.0	34
Terral-REVTM 45R10	38.5	•	•	09/25	1.0	1.0	37
Delta Grow 4150RR	37.7	•	•	09/27	1.0	1.0	30
ASGROW AG4606	37.6	42.6	•	09/29	1.0	1.0	34
Pioneer 93Y92	36.8	•	•	09/21	1.0	1.0	34

Table 15. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009^{1,2,3}, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>							
Armor 46-N7	36.2	•	•	09/29	1.0	1.0	33
Delta Grow 4470RR/STS	35.7	•	•	09/27	1.0	1.0	24
Terral TV46R19	35.5	41.0	•	09/27	1.0	1.0	36
Progeny 4508RR	35.4	43.4	•	09/28	1.0	1.0	34
Pioneer 94Y20	34.8	41.4	•	09/23	1.0	1.0	35
Pioneer 94Y01	31.9	•	•	09/23	1.0	1.0	29
HBK R3927	31.3	36.9	41.9	09/25	2.0	1.0	36
GRAND MEAN	43.4	•	•	09/26	1.1	1.0	33
L.S.D. (0.05%)	9.7	•	•	3	0.4	•	•
C.V.	11.1	•	•	6	16.4	•	•

Maturity Group V Early (RM 5.0 to 5.5)

MorSoy RT5429N	70.7	•	•	10/13	1.0	1.0	35
HBK R5226	69.0	61.9	63.2	10/17	1.0	1.0	39
Armor 55-A5	68.8	60.7	60.5	10/18	1.0	1.0	30
Croplan RC5419	66.7	•	•	10/17	1.0	1.0	40
HBK R5525	66.3	57.6	62.5	10/18	1.0	1.0	34
AGS 554RR	65.8	•	•	10/15	1.0	1.0	36
MPG 5308nRR	65.7	60.7	57.6	10/05	1.3	1.0	40
Terral TV55R15	65.4	56.9	60.8	10/18	1.7	1.0	40
Terral-REVTM 55R11	65.0	•	•	10/08	1.3	1.0	33
Terral-REVTM 54R10	64.6	•	•	10/08	1.3	1.0	43
Willcross RR2544NSTS	64.6	•	•	10/11	1.0	1.0	33
Pioneer 95Y40	64.5	64.4	•	10/06	1.3	1.0	34
AgVenture AV54X4RR	64.1	57.3	•	10/16	1.7	1.0	37
Terral TV55R20	64.1	•	•	10/19	1.7	1.0	38
NK S52-F2 Brand	64.0	57.4	57.9	10/05	1.0	1.0	37
Dyna-Gro 35F55	63.7	55.4	•	10/16	2.0	1.0	40
Progeny 5319RR	63.7	•	•	10/18	1.3	1.0	38
AgVenture AV51X5RR/STS	63.6	59.6	•	10/03	1.0	1.0	40
Dyna-Gro 31R54	63.5	55.7	54.2	10/10	1.0	1.0	36
USG 7553nRS	63.5	56.6	53.3	10/15	1.0	1.0	38
Delta King DK52K6	63.4	55.2	57.9	10/15	1.0	1.0	37
ASGROW AG5405	63.2	•	•	10/11	1.0	1.0	32
Armor 53-Z5	63.0	60.7	59.9	10/13	1.0	1.0	31

Table 15. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009^{1,2,3}, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
MorSoy RT5388N	62.9	58.3	•	10/12	1.0	1.0	36
Progeny 5218RR	62.9	61.0	•	10/13	1.0	1.0	37
Dyna-Gro 33X55	62.5	57.1	59.0	10/15	1.0	1.0	34
Dyna-Gro 32A53	62.3	58.3	57.3	10/12	1.0	1.0	35
ASGROW AG5301	62.2	56.9	52.6	10/05	1.0	1.0	32
MPG 5505nRR/STS	61.1	58.1	53.0	10/11	1.0	1.0	36
ASGROW AG5503	60.8	53.0	•	10/07	1.0	1.0	36
Delta Grow 5280RR	60.2	•	•	10/12	1.0	1.0	35
N-ADR55806	59.7	•	•	10/12	1.0	1.0	33
NK S54-M7 Brand	59.7	•	•	10/07	1.0	1.0	38
Terral-REVTM 53R11	59.7	•	•	10/06	1.7	1.0	43
Delta Grow 5555RR	59.6	53.1	54.2	10/17	1.3	1.0	38
Dyna-Gro 33B52	59.4	53.8	59.0	10/06	1.0	1.0	33
Willcross RR2547N	59.0	•	•	10/05	1.0	1.0	39
Delta King GP-533	58.5	51.1	53.4	10/11	1.0	1.0	35
Delta King DK 5363	58.4	•	•	10/16	1.7	1.0	38
S06-3027	58.4	•	•	09/29	2.0	1.0	39
DELTA PINE DP5335RR/S	58.0	53.0	54.0	10/03	1.0	1.0	37
S06-3095	58.0	•	•	09/30	1.7	1.0	39
Pioneer 95Y30	57.7	•	•	10/05	2.0	1.0	40
Progeny 5115RR	57.4	52.2	56.1	10/06	1.0	1.0	34
Legacy 54-17RR/STS	57.3	50.8	•	10/08	1.0	1.0	35
Delta King GP-500	57.2	54.1	54.6	10/03	1.3	1.0	38
Delta Grow 5170RR	57.0	53.1	•	10/02	1.0	1.0	30
Stine EXP 5.4R1	56.7	•	•	10/08	1.0	1.0	38
HBK R5229	56.4	•	•	10/08	1.0	1.0	35
Willcross RR2542N	56.2	•	•	10/11	1.0	1.0	30
HBK R5425	55.9	50.8	58.8	10/19	1.0	1.0	39
Terral-REVTM 53R21	55.7	•	•	10/05	2.0	1.0	35
MorSoy RT5229N	55.3	•	•	10/08	1.0	1.0	38
Schillinger 557.RCP	55.2	49.9	53.3	10/11	1.0	1.0	36
Progeny 5309RR	55.0	•	•	10/06	1.0	1.0	39
Delta Grow 5300RR/STS	54.3	49.3	52.6	10/05	1.0	1.0	35
Terral TV54R28	54.2	53.6	51.3	10/07	2.0	1.0	37
MPG 5407nRR	54.1	48.1	51.6	10/06	1.0	1.0	39
Dyna-Gro V51N7RS	54.0	•	•	10/03	1.0	1.0	38
Eagle Seed ES5507RR	52.6	•	•	10/19	1.0	1.0	39

Table 15. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009^{1,2,3}, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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	52.3	52.0	•	10/02	1.0	1.0	34
Legacy 55-56RR	52.0	•	•	10/08	1.0	1.0	38
ASGROW DK5068	51.8	48.3	55.3	10/02	1.0	1.0	30
Eagle Seed ES5519RR	51.8	49.4	•	10/13	1.0	1.0	36
Pioneer 95Y01	51.3	•	•	10/04	1.0	1.0	32
Terral TV52R79	51.2	50.5	•	10/13	1.0	1.0	35
N-ADR52718	51.1	•	•	10/11	1.0	1.0	40
MorSoy RT5168N	49.1	46.4	•	10/03	1.0	1.0	34
Progeny 5409RR	48.7	•	•	10/06	1.0	1.0	39
USG 75M49	44.8	•	•	10/06	1.0	1.0	32
Schillinger 5440.RC	43.4	•	•	10/12	1.0	1.0	29
GRAND MEAN	59.0	•	•	10/10	1.2	1.0	36
L.S.D. (0.05%)	6.7	•	•	3	0.4	•	•
C.V.	7.1	•	•	4	23.7	•	•

Maturity Group V Late (RM 5.6 to 5.9)

MorSoy RT5688N	71.9	63.6	•	10/21	1.0	1.0	38
AGS 597	71.8	•	•	10/21	1.0	1.0	34
Terral TV59R16	70.9	61.1	60.8	10/22	1.0	1.0	39
USG 75Z98	69.4	58.3	•	10/20	1.0	1.0	33
HBK R5825	69.1	55.9	54.3	10/20	1.0	1.0	40
ASGROW AG5605	68.8	60.5	61.6	10/18	1.0	1.0	35
Dyna-Gro 33C59	67.8	59.9	60.9	10/21	1.0	1.0	35
Progeny 5706RR	66.3	59.1	61.8	10/21	1.0	1.0	40
Croplan RC5663	66.2	59.0	•	10/10	1.7	1.0	39
Terral TV57R16	65.9	•	•	10/12	2.0	1.0	41
Dyna-Gro 32B57	65.7	57.9	•	10/12	1.0	1.0	38
Pioneer 95Y70	65.3	54.7	•	10/17	1.7	1.0	42
AGS 606RR	64.1	54.6	53.1	10/21	1.0	1.0	35
NK S56-L5 Brand	64.1	•	•	10/09	1.0	1.0	38
Progeny 5650RR	64.0	56.1	60.2	10/20	1.7	1.0	40
ASGROW AG5606	62.8	54.5	•	10/12	1.0	1.0	37
AGS 568RR	62.7	54.2	53.7	10/12	1.0	1.0	36
DELTAPINE DP5915RR	60.6	52.4	55.4	10/14	1.3	1.0	39
Progeny 5622RR	57.5	53.0	•	10/19	1.0	1.0	37

Table 15. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Southeast Research and Extension Center, Rohwer, AR, 2009^{1,2,3}, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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	57.3	51.2	59.4	10/20	1.0	1.0	40
N-ADR56203	57.2	•	•	10/05	1.3	1.0	35
USG ALLEN	55.9	48.3	50.4	10/20	1.0	1.0	40
USG 7582nRR	53.8	47.7	54.3	10/20	1.0	1.0	33
Channel 5651	51.7	•	•	10/15	1.0	1.0	37
ASGROW AG5905	50.0	47.9	56.5	10/12	1.0	1.0	43
GRAND MEAN	63.2	•	•	10/17	1.1	1.0	38
L.S.D. (0.05%)	6.1	•	•	3	0.4	•	•
C.V.	5.8	•	•	4	22.6	•	•

¹The tests at this location were first planted on May 21 and replanted on June 9.

²A MG IV L test was also established at this location but was discarded because of poor uniformity and low yields due to heavy and persistent rains.

³Yields at this location were reduced due to heavy and persistent rains.

Soil Series	Sharkey Clay
Soil pH	7.4
Previous Crop	Soybean
Row Width	19"
Planting Date	5/21; Replanted, 6/9
Herbicide Applications	Cornerstone + Valor, 5/22; Glyphos X-tra, 6/23, 7/21
Insecticide Applications	Tundra, 8/7; Orthene, 9/24
Fungicide Application	Stratego, 9/10
Irrigation Dates	6/27, 8/14, 8/28, 9/9
Harvest Dates	MG 4E, 10/21; MG 5E, 11/7; MG 5 L, 11/7

	Precipitation (inches)					
	May	June	July	August	September	Total
2009	11.4	1.9	6.6	2.1	6.0	28.0
Average	4.7	3.5	3.9	2.7	3.1	17.9
Departure	6.7	- 1.6	2.7	- 0.6	2.9	10.1

Table 16. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
N-ADR55806	83.3	•	•	10/19	1.0	1.0	33
ASGROW AG5503	75.8	61.2	•	10/19	1.0	1.0	40
Dyna-Gro 35F55	75.1	63.5	•	10/19	1.0	1.0	35
Progeny 5115RR	74.6	62.1	61.9	10/16	1.0	1.0	45
ASGROW DK5068	74.1	63.5	63.3	10/11	1.0	1.0	38
MorSoy RT5429N	73.9	•	•	10/19	1.0	1.0	37
MorSoy RT5388N	73.6	64.0	•	10/19	1.0	1.0	37
Armor 55-A5	73.5	62.9	64.5	10/19	1.0	1.0	29
Dyna-Gro V51N7RS	73.3	•	•	10/11	1.0	1.0	37
MPG 5505nRR/STS	73.0	62.6	64.8	10/15	1.0	1.0	35
Schillinger 5440.RC	72.5	•	•	10/19	1.0	1.0	29
S06-3095	72.0	•	•	10/12	1.0	1.0	35
HBK R5226	71.8	59.1	58.3	10/19	1.0	1.0	31
Terral TV55R20	71.6	•	•	10/18	1.0	1.0	34
USG 7553nRS	71.6	64.8	63.9	10/19	1.0	1.0	29
AgVenture AV50X6RR	71.5	60.4	•	10/11	1.0	1.0	38
MorSoy RT5168N	71.3	60.4	•	10/13	1.0	1.0	38
Delta Grow 5170RR	71.2	62.8	•	10/09	1.0	1.0	32
Stine EXP 5.4R1	71.2	•	•	10/18	1.0	1.0	38
Terral TV52R79	70.7	62.0	•	10/19	1.0	1.0	33
AGS 554RR	70.6	•	•	10/19	1.0	1.0	31
Delta Grow 5555RR	70.6	61.3	61.4	10/19	1.0	1.0	32
Pioneer 95Y01	70.6	•	•	10/09	1.0	1.0	40
Pioneer 95Y30	70.6	•	•	10/15	1.0	1.0	29
Dyna-Gro 33B52	70.5	60.7	58.3	10/16	1.0	1.0	31
Delta King GP-500	70.1	59.2	58.8	10/13	1.0	1.0	32
Progeny 5319RR	69.9	•	•	10/19	1.0	1.0	39
Terral-REVTM 55R11	69.9	•	•	10/18	1.0	1.0	28
Delta King DK 5363	69.7	•	•	10/20	1.0	1.0	38
Delta King DK52K6	69.5	61.1	61.1	10/19	1.0	1.0	38
Delta King GP-533	69.5	59.7	60.7	10/19	1.0	1.0	34
AgVenture AV54X4RR	69.3	59.6	•	10/19	1.0	1.0	32
Dyna-Gro 33X55	69.3	60.0	59.3	10/19	1.0	1.0	32
MPG 5308nRR	69.3	59.3	58.8	10/18	1.0	1.0	31
Armor 53-Z5	69.2	60.6	•	10/19	1.0	1.0	28
Willcross RR2544NSTS	69.2	•	•	10/16	1.0	1.0	34
Schillinger 557.RCP	69.1	60.4	61.0	10/20	1.0	1.0	36

Table 16. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year 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	68.9	57.8	58.4	10/19	1.0	1.0	33
DELTAPINE DP5335RR/S	68.8	58.5	56.6	10/14	1.0	1.0	41
Delta Grow 5300RR/STS	68.7	60.9	60.9	10/15	1.0	1.0	33
NK S52-F2 Brand	68.6	62.5	62.1	10/16	1.0	1.0	31
N-ADR52718	68.3	•	•	10/20	1.0	1.0	44
Terral-REVTM 54R10	68.3	•	•	10/16	1.0	1.0	35
Legacy 55-56RR	68.1	•	•	10/13	1.0	1.0	32
USG 75M49	67.8	•	•	10/18	1.0	1.0	33
AgVenture AV51X5RR/STS	67.7	60.6	•	10/15	1.0	1.0	44
Terral TV55R15	67.6	60.7	61.1	10/19	1.0	1.0	37
Delta Grow 5280RR	67.4	•	•	10/20	1.0	1.0	27
NK S54-M7 Brand	66.9	•	•	10/17	1.0	1.0	36
Legacy 54-17RR/STS	66.8	56.7	•	10/19	1.0	1.0	41
Progeny 5218RR	66.7	58.3	•	10/20	1.0	1.0	34
S06-3027	66.7	•	•	10/12	1.0	1.0	34
Terral TV54R28	66.7	57.1	59.5	10/16	1.0	1.0	34
Eagle Seed ES5507RR	66.2	•	•	10/19	1.0	1.0	38
Progeny 5309RR	66.2	•	•	10/19	1.0	1.0	41
ASGROW AG5301	66.1	58.4	56.0	10/13	1.0	1.0	31
ASGROW AG5405	66.0	•	•	10/18	1.0	1.0	30
Eagle Seed ES5519RR	66.0	57.5	•	10/17	1.0	1.0	32
Croplan RC5419	65.8	•	•	10/20	1.0	1.0	38
MPG 5407nRR	65.3	57.8	57.5	10/18	1.0	1.0	40
Pioneer 95Y40	65.3	60.9	•	10/15	1.0	1.0	30
Dyna-Gro 32A53	65.2	57.3	56.3	10/18	1.0	1.0	32
Terral-REVTM 53R21	64.5	•	•	10/11	1.0	1.0	39
Willcross RR2547N	63.1	•	•	10/18	1.0	1.0	42
Terral-REVTM 53R11	62.1	•	•	10/12	1.0	1.0	35
HBK R5229	61.8	•	•	10/14	1.0	1.0	36
Progeny 5409RR	61.4	•	•	10/20	1.0	1.0	45
MorSoy RT5229N	61.2	•	•	10/13	1.0	1.0	36
Willcross RR2542N	61.2	•	•	10/19	1.0	1.0	30
HBK R5425	59.2	48.3	48.4	10/19	1.0	1.0	47
Dyna-Gro 31R54	58.1	54.2	54.5	10/13	1.0	1.0	36
GRAND MEAN	68.8	•	•	10/17	1.0	1.0	35
L.S.D. (0.05%)	7.4	•	•	3	•	•	•
C.V.	6.7	•	•	3	•	•	•

Table 16. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
Maturity Group V Late (RM 5.6 to 5.9)							
Croplan RC5663	72.7	62.5	•	10/19	1.0	1.0	30
Progeny 5706RR	72.3	61.3	60.4	10/22	1.0	1.0	38
Dyna-Gro 33C59	71.8	62.3	62.3	10/22	1.0	1.0	32
USG 75Z98	71.4	63.3	•	10/21	1.0	1.0	30
Dyna-Gro 32B57	71.3	59.9	•	10/20	1.0	1.0	34
AGS 597	71.1	•	•	10/22	1.0	1.0	35
Pioneer 95Y70	71.1	63.4	•	10/22	1.0	1.0	33
Progeny 5622RR	71.0	60.0	•	10/21	1.0	1.0	35
Terral TV59R16	71.0	64.6	63.7	10/21	1.0	1.0	31
ASGROW AG5605	70.5	62.1	64.1	10/19	1.0	1.0	31
Delta Grow 5970RR	70.2	61.2	59.7	10/21	1.0	1.0	36
MorSoy RT5688N	70.2	60.9	•	10/22	1.0	1.0	33
N-ADR56203	68.7	•	•	10/14	1.0	1.0	30
AGS 568RR	68.6	60.7	59.5	10/21	1.0	1.0	29
USG ALLEN	68.4	61.3	60.8	10/24	1.0	1.0	36
NK S56-L5 Brand	68.0	•	•	10/19	1.0	1.0	33
ASGROW AG5905	66.7	58.5	59.6	10/21	1.0	1.0	39
Channel 5651	66.6	•	•	10/21	1.0	1.0	34
ASGROW AG5606	66.4	57.8	•	10/19	1.0	1.0	33
USG 7582nRR	65.6	56.9	57.5	10/22	1.0	1.0	36
HBK R5825	65.5	55.2	55.0	10/23	1.0	1.0	35
AGS 606RR	65.0	53.7	54.3	10/25	1.0	1.0	28
DELTAPINE DP5915RR	64.7	55.9	57.2	10/24	1.0	1.0	37
Progeny 5650RR	64.2	57.6	59.4	10/22	1.0	1.0	31
Terral TV57R16	64.2	•	•	10/22	1.0	1.0	33
GRAND MEAN	68.7	•	•	10/21	1.0	1.0	33
L.S.D. (0.05%)	4.1	•	•	2	•	•	•
C.V.	3.6	•	•	2	•	•	•

Table 16. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, AR, 2009, Continued.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	6/2
Herbicide Applications	Newpath + Dual Magnum, 6/2; Cornerstone, 7/8, 7/20
Insecticide Application	Asana XL, 7/10
Irrigation Dates	6/23, 7/2, 7/15
Harvest Dates	MG 5E, 11/5; MG 5L, 11/6

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2009	8.2	2.5	6.0	4.1	7.2	9.6	37.6
Average	2.9	5.4	5.6	1.3	2.2	4.8	22.2
Departure	5.3	-2.9	0.4	2.8	5.0	4.8	15.4

Table 17. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Arkansas Performance Tests, 2009¹.

Variety/Experimental Line	Keiser Irrigated	Keiser Nonirrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt Loam ³ Average	Clay ⁴ Average	All-Location Average
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>										
GLENN	72.5	79.2	74.0	72.8	67.5	66.8	•	70.2	73.1	72.1
HALO 4:65 ⁵	76.7	57.8	62.4	58.5	57.2	47.3	•	57.9	61.1	60.0
NK S46-U6 Brand ⁶	73.3	68.3	63.0	74.8	57.1	50.1	•	66.0	63.7	64.4
Schillinger 435.TCS	54.1	49.0	54.1	62.2	34.7	38.6	•	48.5	49.0	48.8
V03-4660	74.0	66.1	66.7	67.5	50.7	58.7	•	59.1	66.4	64.0
V03-4705	71.7	69.3	72.4	68.4	62.2	67.4	•	65.3	70.2	68.6
GRAND MEAN	70.4	65.0	65.4	67.4	54.9	54.8	•	61.2	63.9	63.0
L.S.D (0.05 %)	7.9	4.1	12.2	11.1	14.3	3.9	•	•	•	•
C.V.	6.2	3.4	10.2	8.9	13.8	3.9	•	•	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>										
Dyna-Gro 37P49 ⁶	78.8	71.6	71.1	78.3	75.2	58.4	•	76.8	70.0	72.2
HALO 4:94 ⁵	77.4	78.3	72.3	68.2	75.1	62.7	•	71.7	72.7	72.3
HBK C4926	74.1	73.6	71.7	68.4	76.2	68.5	•	72.3	72.0	72.1
HBK C4929	80.0	70.9	77.8	64.0	73.2	65.5	•	68.6	73.6	71.9
MPG 48-4	75.9	67.7	73.9	64.9	64.4	58.6	•	64.7	69.0	67.6
Progeny 4910	77.5	70.0	68.5	62.7	67.1	53.1	•	64.9	67.3	66.5
Progeny 4928	77.7	77.7	71.6	76.1	56.6	53.4	•	66.4	70.1	68.9
Progeny 4990	73.3	69.3	75.3	70.3	72.5	56.0	•	71.4	68.5	69.5
R00-1194F	73.6	69.9	56.9	80.4	68.3	50.2	•	74.4	62.7	66.6
R05-4114	75.1	70.4	67.6	78.5	67.5	61.6	•	73.0	68.7	70.1
Schillinger 477.TCS	71.0	63.9	72.1	61.1	63.2	56.3	•	62.2	65.8	64.6
Super Soy-09L47N ⁵	68.8	67.2	73.0	56.3	51.0	55.6	•	53.7	66.2	62.0

Table 17. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Arkansas Performance Tests, 2009¹, Continued.

Variety/Experimental Line	Keiser		Keiser		Keiser Double-Crop		Marianna		Stuttgart		Rohwer		Kibler ²		Silt Loam ³		Clay ⁴		All-Location Average
	Irrigated	Nonirrigated	Nonirrigated	Crop Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated	Average	Average	Average	Average	Average		
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>																			
Super Soy-09L.49N ⁵	78.1	76.5	71.4	78.0	64.5	62.0	•	71.3	72.0	71.8									
Super Soy-10L.49N ⁵	79.4	72.3	65.7	74.6	59.6	51.2	•	67.1	67.2	67.1									
UA 4805	64.9	67.4	66.5	68.2	60.0	52.7	•	64.1	62.9	63.3									
GRAND MEAN	75.0	71.1	70.3	70.0	66.3	57.7	•	68.2	68.5	68.4									
L.S.D (0.05 %)	5.9	5.5	5.3	9.1	10.6	7.0	•	•	•	•									
C.V.	4.7	4.6	4.5	7.7	9.4	7.2	•	•	•	•									
<u>Maturity Group V Early (RM 5.0 to 5.4)</u>																			
DB03-10440	50.2	47.5	40.4	62.4	37.8	59.0	53.5	51.2	49.3	50.1									
DB04-10997	72.3	61.5	59.1	75.1	61.0	65.3	72.7	69.6	64.6	66.7									
DB04-290	58.4	34.4	39.0	71.5	62.9	64.1	65.0	66.5	49.0	56.5									
Dyna-Gro 33B52 ⁶	70.3	67.1	63.0	72.4	74.2	64.0	74.4	73.7	66.1	69.3									
HALO 5:25 ⁵	80.8	72.8	64.3	80.6	76.5	73.1	87.2	81.4	72.8	76.5									
HBK C5025	73.6	70.4	62.3	68.2	63.1	76.5	76.4	69.2	70.7	70.1									
HBK C5029	72.4	65.8	60.8	66.5	68.3	61.0	69.6	68.1	65.0	66.3									
Hutcheson	69.7	66.7	60.3	68.4	68.6	59.8	71.3	69.4	64.1	66.4									
JAKE	76.6	71.5	71.1	75.3	71.0	69.2	76.2	74.2	72.1	73.0									
MorSoy CB5209	75.6	70.7	67.6	73.5	66.8	73.4	71.8	70.7	71.8	71.3									
Ozark	75.1	70.6	64.1	74.7	67.3	71.0	73.8	71.9	70.2	70.9									
S05-11268	68.1	66.0	58.9	72.0	71.7	64.5	68.0	70.6	64.4	67.0									

Table 17. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Arkansas Performance Tests, 2009¹, Continued.

Variety/Experimental Line	Keiser		Keiser Double-Crop		Marianna		Stuttgart		Rohwer		Kibler ²		Silt Loam ³		Clay ⁴		All-Location Average
	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Irrigated	Nonirrigated	Average	Standard Deviation	Average	Standard Deviation	
Maturity Group V Early (RM 5.0 to 5.4) Continued																	
S05-11482	72.6	70.6	63.4	70.2	75.2	61.0	71.1	72.2	69.2	71.1	72.2	66.9	69.2				
STODDARD	69.2	70.0	64.8	71.6	71.9	60.8	67.7	70.4	68.0	67.7	70.4	66.2	68.0				
Super Soy-10L-51N ⁵	80.5	68.6	64.4	77.8	76.3	75.8	85.9	80.0	72.3	75.8	80.0	72.3	75.6				
GRAND MEAN	71.0	65.0	60.2	72.0	67.5	66.6	72.3	70.6	67.8	66.6	70.6	65.7	67.8				
L.S.D (0.05 %)	6.2	6.8	7.5	6.8	9.8	7.0	6.7	•	•	7.0	•	•	•				
C.V.	5.2	6.2	7.4	5.6	8.7	6.3	5.5	•	•	6.3	•	•	•				
Maturity Group V Late (RM 5.5 to 5.9)																	
ASGROW AG5605 ⁶	75.2	70.4	67.9	66.3	72.5	67.6	74.6	71.1	70.6	67.6	74.3	70.3	70.6				
DB03-1381	76.2	74.7	66.2	74.0	73.6	67.4	78.2	75.3	72.9	67.4	77.1	71.1	72.9				
DB03-8416	74.0	64.8	62.0	63.8	67.2	68.0	74.3	68.4	67.7	68.7	76.9	67.2	67.7				
DB04-10836	68.4	68.7	61.3	61.5	72.9	65.9	77.9	70.8	68.1	70.5	78.0	66.1	68.1				
HALO 5:65 ⁵	74.9	68.6	64.9	76.1	78.3	71.2	77.6	77.3	73.1	71.2	77.6	69.9	73.1				
HBK C5528	70.3	64.4	63.8	64.5	67.6	69.3	74.3	68.8	67.7	69.3	74.3	67.0	67.7				
Osage	73.7	68.5	59.0	75.3	77.4	67.1	77.1	76.6	71.2	67.1	77.1	67.1	71.2				
Progeny 5770	82.7	77.7	67.7	70.0	68.6	68.7	76.9	71.8	73.2	68.7	76.9	74.2	73.2				
R01-976	78.3	75.2	72.3	61.2	71.2	70.5	78.0	70.1	72.4	70.5	78.0	74.1	72.4				
R04-357	77.4	72.5	65.4	57.1	72.5	60.6	80.2	69.9	69.4	60.6	80.2	69.0	69.4				
GRAND MEAN	75.1	70.5	65.1	67.0	72.2	67.6	76.9	72.0	70.6	67.6	76.9	69.6	70.6				
L.S.D (0.05 %)	4.6	5.8	6.5	10.7	7.3	7.3	10.1	•	•	7.3	10.1	•	•				
C.V.	3.5	4.8	5.8	9.3	5.9	6.3	7.7	•	•	6.3	7.7	•	•				

Table 17. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Arkansas Performance Tests, 2009¹, Continued.

- ¹ 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 LibertyLink™ varieties.
- ⁶ Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2007 and 2008 Roundup Ready™, Full-Season Variety Tests

Table 18. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 ¹	76.7	•	•	10/05	3.0	1.0	44
V03-4660	74.0	•	•	10/13	2.7	1.0	38
NK S46-U6 Brand ²	73.3	•	•	10/11	1.0	1.0	46
GLENN	72.5	69.7	73.2	10/13	1.7	1.0	36
V03-4705	71.7	•	•	10/12	1.0	1.0	40
Schillinger 435.TCS	54.1	•	•	09/29	3.0	1.0	36
GRAND MEAN	70.4	•	•	10/09	2.1	1.0	40
L.S.D (0.05 %)	7.9	•	•	2	1.5	•	•
C.V.	6.2	•	•	3	41.3	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
HBK C4929	80.0	•	•	10/12	1.0	1.0	48
Super Soy-10L.49N ¹	79.4	•	•	10/06	1.0	1.0	45
Dyna-Gro 37P49 ²	78.8	•	•	10/08	1.0	1.0	40
Super Soy-09L.49N ¹	78.1	•	•	10/14	1.0	1.0	46
Progeny 4928	77.7	•	•	10/12	1.0	1.0	42
Progeny 4910	77.5	72.1	•	10/11	1.0	1.0	45
HALO 4:94 ¹	77.4	•	•	10/13	1.0	1.0	41
MPG 48-4	75.9	•	•	10/10	1.0	1.0	44
R05-4114	75.1	•	•	10/16	2.0	1.0	38
HBK C4926	74.1	68.9	72.6	10/09	1.0	1.0	44
R00-1194F	73.6	69.1	•	10/11	1.0	1.0	37
Progeny 4990	73.3	•	•	10/07	1.0	1.0	48
Schillinger 477.TCS	71.0	62.6	•	10/07	1.0	1.0	40
Super Soy-09L.47N ¹	68.8	•	•	10/08	1.3	1.0	45
UA 4805	64.9	62.3	65.6	10/11	1.0	1.0	34
GRAND MEAN	75.0	•	•	10/10	1.1	1.0	43
L.S.D (0.05 %)	5.9	•	•	2	0.5	•	•
C.V.	4.7	•	•	11	28.1	•	•

Table 18. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.4)</u>							
HALO 5:25 ¹	80.8	•	•	10/20	1.0	1.0	35
Super Soy-10L51N ¹	80.5	•	•	10/21	1.0	1.0	33
JAKE	76.6	67.0	70.4	10/20	1.3	1.0	40
MorSoy CB5209	75.6	•	•	10/24	1.3	1.0	46
Ozark	75.1	65.1	70.6	10/21	1.0	1.0	40
HBK C5025	73.6	67.3	70.4	10/21	1.0	1.0	51
S05-11482	72.6	•	•	10/17	3.0	1.0	40
HBK C5029	72.4	•	•	10/19	1.0	1.0	43
DB04-10997	72.3	•	•	10/19	1.0	1.0	40
Dyna-Gro 33B52 ²	70.3	•	•	10/19	1.0	1.0	39
Hutcheson	69.7	65.0	69.8	10/23	1.0	1.0	40
STODDARD	69.2	65.5	69.6	10/17	1.3	1.0	37
S05-11268	68.1	•	•	10/16	1.0	1.0	35
DB04-290	58.4	•	•	10/19	1.0	1.0	33
DB03-10440	50.2	55.3	64.6	10/23	2.6	1.0	36
GRAND MEAN	71.0	•	•	10/20	1.3	1.0	39
L.S.D (0.05 %)	6.2	•	•	2	0.8	•	•
C.V.	5.2	•	•	6	35.4	•	•
<u>Maturity Group V Late (RM 5.5 to 5.9)</u>							
Progeny 5770	82.7	74.3	•	10/25	1.0	1.0	34
R01-976	78.3	71.1	•	10/25	1.0	1.0	36
R04-357	77.4	71.9	•	10/24	2.3	1.0	38
DB03-1381	76.2	70.9	73.2	10/25	2.0	1.0	31
ASGROW AG5605 ²	75.2	•	•	10/24	1.0	1.0	45
HALO 5:65 ¹	74.9	•	•	10/25	1.0	1.0	34
DB03-8416	74.0	71.5	74.8	10/22	1.4	1.0	39
Osage	73.7	70.5	71.6	10/22	1.0	1.0	41
HBK C5528	70.3	•	•	10/26	1.0	1.0	46
DB04-10836	68.4	•	•	10/24	1.0	1.0	41
GRAND MEAN	75.1	•	•	10/24	1.3	1.0	38.5
L.S.D (0.05 %)	4.6	•	•	2	0.9	•	•
C.V.	3.5	•	•	2	39.6	•	•

Table 18. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

¹LibertyLink™ varieties.

²Roundup Ready™ varieties for yield comparisons.

Soil Series	Sharky silty clay
Soil pH	6.8
Previous Crop	Grain sorghum
Row Width	38 inches
Planting Date	6/2
Herbicide Applications	Roundup™ + Metribuzin + Metolachlor, 6/3; Flexstar + Select, 6/26, 8/4
Fungicide Applications	Quadris + Domark, 9/1, 9/17
Irrigation Date	9/1
Harvest Dates	MG 4E, 11/9; MG 4L, 11/9; MG 5E, 11/9; MG 5L 11/9

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2009	7.1	5.0	8.3	2.9	3.2	9.4	35.9
Average	5.2	4.0	3.7	2.8	3.9	3.0	22.6
Departure	1.9	1.0	4.6	0.1	- 0.7	6.4	13.3

Table 19. Performance of Nonirrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year ¹ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
GLENN	79.2	68.6	•	10/14	1.0	1.0	35
V03-4705	69.3	•	•	10/12	2.0	1.0	43
NK S46-U6 Brand ³	68.3	•	•	10/09	1.0	1.0	46
V03-4660	66.1	•	•	10/11	2.7	1.0	41
HALO 4:65 ²	57.8	•	•	09/27	1.0	1.0	40
Schillinger 435.TCS	49.0	•	•	10/02	1.0	1.0	35
GRAND MEAN	65.0	•	•	10/07	1.4	1.0	40
L.S.D (0.05 %)	4.1	•	•	13	0.4	•	•
C.V.	3.4	•	•	19	16.3	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
HALO 4:94 ²	78.3	•	•	10/12	1.0	1.0	46
Progeny 4928	77.7	•	•	10/13	1.0	1.0	45
Super Soy-09L.49N ²	76.5	•	•	10/13	1.0	1.0	41
HBK C4926	73.6	66.8	•	10/11	1.0	1.0	45
Super Soy-10L.49N ²	72.3	•	•	10/09	1.0	1.0	44
Dyna-Gro 37P49 ³	71.6	•	•	10/10	1.0	1.0	44
HBK C4929	70.9	•	•	10/12	1.0	1.0	53
R05-4114	70.4	•	•	10/14	2.0	1.0	41
Progeny 4910	70.0	63.1	•	10/09	1.0	1.0	46
R00-1194F	69.9	67.9	•	10/08	1.0	1.0	38
Progeny 4990	69.3	•	•	10/05	1.0	1.0	45
MPG 48-4	67.7	•	•	10/08	1.0	1.0	42
UA 4805	67.4	62.7	•	10/13	1.0	1.0	40
Super Soy-09L.47N ²	67.2	•	•	10/06	1.0	1.0	40
Schillinger 477.TCS	63.9	57.6	•	10/04	1.0	1.0	38
GRAND MEAN	71.1	•	•	10/10	1.1	1.0	43
L.S.D (0.05 %)	5.5	•	•	3	•	•	•
C.V.	4.6	•	•	19	•	•	•

Table 19. Performance of Nonirrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year ¹ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.4)</u>							
HALO 5:25 ²	72.8	•	•	10/18	1.0	1.0	29
JAKE	71.5	66.5	63.2	10/18	1.0	1.0	40
MorSoy CB5209	70.7	•	•	10/22	1.0	1.0	42
Ozark	70.6	66.8	60.9	10/15	1.0	1.0	41
S05-11482	70.6	•	•	10/16	1.3	1.0	37
HBK C5025	70.4	67.4	•	10/17	1.0	1.0	52
STODDARD	70.0	64.2	60.2	10/15	1.0	1.0	34
Super Soy-10L.51N ²	68.6	•	•	10/18	1.0	1.0	30
Dyna-Gro 33B52 ³	67.1	•	•	10/17	1.0	1.0	38
Hutcheson	66.7	63.5	59.7	10/19	1.7	1.0	43
S05-11268	66.0	•	•	10/15	2.0	1.0	35
HBK C5029	65.8	•	•	10/19	1.0	1.0	41
DB04-10997	61.5	•	•	10/16	1.0	1.0	40
DB03-10440	47.5	54.9	•	10/20	1.0	1.0	38
DB04-290	34.4	•	•	10/16	1.0	1.0	35
GRAND MEAN	65.0	•	•	10/17	1.1	1.0	38
L.S.D (0.05 %)	6.8	•	•	3	0.3	•	•
C.V.	6.2	•	•	9	18.3	•	•

Maturity Group V Late (RM 5.5 to 5.9)

Progeny 5770	77.7	70.5	•	10/26	1.0	1.0	37
R01-976	75.2	69.3	•	10/26	1.0	1.0	30
DB03-1381	74.7	63.8	•	10/20	1.7	1.0	39
R04-357	72.5	67.2	•	10/20	1.3	1.0	40
ASGROW AG5605 ³	70.4	•	•	10/23	1.0	1.0	41
DB04-10836	68.7	•	•	10/22	2.0	1.0	43
HALO 5:65 ²	68.6	•	•	10/23	1.0	1.0	42
Osage	68.5	64.5	•	10/23	1.0	1.0	36
DB03-8416	64.8	58.3	•	10/18	1.7	1.0	40
HBK C5528	64.4	•	•	10/25	1.0	1.0	43
GRAND MEAN	70.5	•	•	10/23	1.3	1.0	39
L.S.D (0.05 %)	5.8	•	•	1	0.5	•	•
C.V.	4.8	•	•	2	23.0	•	•

Table 19. Performance of Nonirrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

¹ Average yield for 2006, 2008 and 2009

² LibertyLink™ varieties.

³ Roundup Ready™ varieties for yield comparisons.

Soil Series	Sharky silty clay
Soil pH	6.8
Previous Crop	Grain sorghum
Row Width	38 inches
Planting Date	6/3
Herbicide Applications	Roundup™ + Metribuzin + Metolachlor, 6/3; Flexstar + Select, 6/26, 8/4
Fungicide Applications	Quadris + Domark, 9/1, 9/17
Harvest Dates	MG 4E, 11/7; MG 4L, 11/7; MG 5E, 11/7; MG 5L 11/7

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2009	7.1	5.0	8.3	2.9	3.2	9.4	35.9
Average	5.2	4.0	3.7	2.8	3.9	3.0	22.6
Departure	1.9	1.0	4.6	0.1	- 0.7	6.4	13.3

Table 20. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
GLENN	74.0	67.3	70.6	10/18	1.0	1.0	34
V03-4705	72.4	•	•	10/22	3.0	1.0	37
V03-4660	66.7	•	•	10/18	1.0	1.0	35
NK S46-U6 Brand ²	63.0	•	•	10/17	1.0	1.0	34
HALO 4:65 ¹	62.4	•	•	10/24	2.7	1.0	34
Schillinger 435.TCS	54.1	•	•	10/18	2.0	1.0	26
GRAND MEAN	65.4	•	•	10/20	1.8	1.0	33
L.S.D (0.05 %)	12.2	•	•	3	0.9	•	•
C.V.	10.2	•	•	9	26.5	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
HBK C4929	77.8	•	•	10/22	1.0	1.0	39
Progeny 4990	75.3	•	•	10/19	1.0	1.0	36
MPG 48-4	73.9	•	•	10/21	1.0	1.0	32
Super Soy-09L.47N ¹	73.0	•	•	10/22	1.0	1.0	39
HALO 4:94 ¹	72.3	•	•	10/22	1.0	1.0	32
Schillinger 477.TCS	72.1	60.3	•	10/18	1.0	1.0	31
HBK C4926	71.7	63.4	65.9	10/19	1.0	1.0	33
Progeny 4928	71.6	•	•	10/22	1.0	1.0	30
Super Soy-09L.49N ¹	71.4	•	•	10/22	1.0	1.0	34
Dyna-Gro 37P49 ²	71.1	•	•	10/18	1.0	1.0	31
Progeny 4910	68.5	62.8	•	10/18	1.0	1.0	35
R05-4114	67.6	•	•	10/24	3.0	1.0	40
UA 4805	66.5	52.0	58.0	10/23	1.0	1.0	31
Super Soy-10L.49N ¹	65.7	•	•	10/18	1.0	1.0	31
R00-1194F	56.9	58.8	•	10/22	1.0	1.0	27
GRAND MEAN	70.3	•	•	10/21	1.1	1.0	33
L.S.D (0.05 %)	5.3	•	•	2	•	•	•
C.V.	4.5	•	•	6	•	•	•

Table 20. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.4)</u>							
JAKE	71.1	66.1	66.8	10/21	1.0	1.0	34
MorSoy CB5209	67.6	•	•	10/27	2.0	1.0	36
STODDARD	64.8	60.9	60.4	10/19	1.7	1.0	33
Super Soy-10L.51N ¹	64.4	•	•	10/23	1.0	1.0	29
HALO 5:25 ¹	64.3	•	•	10/22	1.0	1.0	29
Ozark	64.1	60.7	63.3	10/21	1.7	1.0	38
S05-11482	63.4	•	•	10/21	1.0	1.0	35
Dyna-Gro 33B52 ²	63.0	•	•	10/23	1.0	1.0	36
HBK C5025	62.3	61.0	63.4	10/21	1.1	1.0	35
HBK C5029	60.8	•	•	10/22	1.1	1.0	36
Hutcheson	60.3	56.5	58.2	10/21	1.0	1.0	33
DB04-10997	59.1	•	•	10/22	1.0	1.0	30
S05-11268	58.9	•	•	10/22	1.0	1.0	30
DB03-10440	40.4	49.3	•	10/22	1.0	1.0	34
DB04-290	39.0	•	•	10/20	1.0	1.0	28
GRAND MEAN	60.2	•	•	10/22	1.2	1.0	33
L.S.D (0.05 %)	7.5	•	•	2	0.8	•	•
C.V.	7.4	•	•	7	42.8	•	•

Maturity Group V Late (RM 5.5 to 5.9)

R01-976	72.3	66.1	•	10/27	3.0	1.0	36
ASGROW AG5605 ²	67.9	•	•	10/24	1.0	1.0	36
Progeny 5770	67.7	60.1	•	10/25	3.0	1.0	36
DB03-1381	66.2	55.3	•	10/24	3.0	1.0	41
R04-357	65.4	64.2	•	10/23	1.0	1.0	37
HALO 5:65 ¹	64.9	•	•	10/28	1.0	1.0	39
HBK C5528	63.8	•	•	10/28	1.0	1.0	39
DB03-8416	62.0	55.6	•	10/20	1.7	1.0	33
DB04-10836	61.3	•	•	10/23	1.0	1.0	38
Osage	59.0	57.3	61.5	10/22	1.0	1.0	31
GRAND MEAN	65.1	•	•	10/24	1.7	1.0	37
L.S.D (0.05 %)	6.5	•	•	3	0.7	•	•
C.V.	5.8	•	•	7	23.3	•	•

Table 20. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, AR, 2009, Continued.

¹LibertyLink™ varieties.

²Roundup Ready™ varieties for yield comparisons.

Soil Series	Sharkey silty clay
Soil pH	6.8
Previous Crop	Corn
Row Width	Four 8-inch rows on two 38-inch beds
Planting Date	6/24
Herbicide Applications	Metribuzin + Metolachlor, 6/23; Flexstar + Select, 7/6, 8/9
Fungicide Applications	Quadris + Domark, 9/1, 9/17
Irrigation Dates	8/13, 8/28, 9/1
Harvest Dates	MG 4E 11/10; MG 4L 11/10; MG 5E 11/11; MG 5L 11/11

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2009	7.1	5.0	8.3	2.9	3.2	9.4	35.9
Average	5.2	4.0	3.7	2.8	3.9	3.0	22.6
Departure	1.9	1.0	4.6	0.1	- 0.7	6.4	13.3

Table 21. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year 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 ²	74.8	•	•	09/22	4.0	1.0	46
GLENN	72.8	73.8	68.4	09/30	4.3	1.0	36
V03-4705	68.4	•	•	09/30	4.3	1.0	30
V03-4660	67.5	•	•	09/29	5.0	1.0	35
Schillinger 435.TCS	62.2	•	•	09/15	4.0	1.0	39
HALO 4:65 ¹	58.5	•	•	09/16	4.3	1.0	40
GRAND MEAN	67.4	•	•	09/24	4.3	1.0	38
L.S.D (0.05 %)	11.1	•	•	1	0.8	•	•
C.V.	8.9	•	•	2	10.3	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
R00-1194F	80.4	79.4	•	09/21	2.3	1.0	39
R05-4114	78.5	•	•	09/29	5.0	1.0	37
Dyna-Gro 37P49 ²	78.3	•	•	09/25	3.0	1.0	46
Super Soy-09L.49N ¹	78.0	•	•	09/25	2.7	1.0	45
Progeny 4928	76.1	•	•	09/23	3.3	1.0	41
Super Soy-10L.49N ¹	74.6	•	•	09/23	2.7	1.0	45
Progeny 4990	70.3	•	•	09/22	4.5	1.0	41
HBK C4926	68.4	73.7	68.1	09/23	4.0	1.0	40
HALO 4:94 ¹	68.2	•	•	09/25	3.3	1.0	42
UA 4805	68.2	68.0	64.6	09/24	4.7	1.0	36
MPG 48-4	64.9	•	•	09/21	3.7	1.0	45
HBK C4929	64.0	•	•	09/28	2.7	1.0	46
Progeny 4910	62.7	66.7	•	09/25	4.7	1.0	52
Schillinger 477.TCS	61.1	69.8	•	09/22	4.0	1.0	38
Super Soy-09L.47N ¹	56.3	•	•	09/15	4.0	1.0	46
GRAND MEAN	70.0	•	•	09/23	3.6	1.0	43
L.S.D (0.05 %)	9.1	•	•	4	1.0	•	•
C.V.	7.7	•	•	10	15.7	•	•

Table 21. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.4)</u>							
HALO 5:25 ¹	80.6	•	•	10/04	2.3	1.0	36
Super Soy-10L.51N ¹	77.8	•	•	10/03	3.1	1.0	35
JAKE	75.3	79.1	74.8	10/02	3.7	1.0	41
DB04-10997	75.1	•	•	10/03	3.0	1.0	36
Ozark	74.7	70.1	65.8	10/02	4.3	1.0	30
MorSoy CB5209	73.5	•	•	10/09	4.0	1.0	47
Dyna-Gro 33B52 ²	72.4	•	•	09/28	4.3	1.0	39
S05-11268	72.0	•	•	09/29	4.7	1.0	25
STODDARD	71.6	79.9	75.3	09/30	4.3	1.0	30
DB04-290	71.5	•	•	09/28	4.9	1.0	42
S05-11482	70.2	•	•	09/30	5.0	1.0	32
Hutcheson	68.4	68.3	64.6	10/02	4.7	1.0	28
HBK C5025	68.2	64.5	61.6	10/02	2.7	1.0	52
HBK C5029	66.5	•	•	10/01	4.0	1.0	43
DB03-10440	62.4	69.1	•	09/30	4.9	1.0	43
GRAND MEAN	72.0	•	•	10/02	4.0	1.0	37
L.S.D (0.05 %)	6.8	•	•	3	1.0	•	•
C.V.	5.6	•	•	5	15.5	•	•
<u>Maturity Group V Late (RM 5.5 to 5.9)</u>							
HALO 5:65 ¹	76.1	•	•	•	4.0	1.0	41
Osage	75.3	76.3	69.0	•	4.7	1.0	39
DB03-1381	74.0	74.7	•	•	4.3	1.0	30
Progeny 5770	70.0	71.9	•	•	4.7	1.0	37
ASGROW AG5605 ²	66.3	•	•	•	3.7	1.0	41
HBK C5528	64.5	•	•	•	2.3	1.0	39
DB03-8416	63.8	67.0	•	•	4.3	1.0	38
DB04-10836	61.5	•	•	•	4.7	1.0	34
R01-976	61.2	67.3	•	•	4.3	1.0	27
R04-357	57.1	63.3	•	•	5.0	1.0	34
GRAND MEAN	67.0	•	•	•	4.2	1.0	36
L.S.D (0.05 %)	10.7	•	•	•	0.8	•	•
C.V.	9.3	•	•	•	11.1	•	•

Table 21. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, AR, 2009, Continued.

¹LibertyLink™ varieties.

²Roundup Ready™ varieties for yield comparisons.

Soil Series	Calloway silt Loam
Soil pH	7.4
Previous Crop	Corn
Row Width	30 inches
Planting Date	6/1
Herbicide Applications	Roundup™ + Dual Magnum + Storm, 6/1; Flexstar, 6/20
Insecticide Application	Asana, 7/1
Irrigation Dates	6/26, 7/10, 8/27, 9/3
Harvest Dates	MG 4E, 10/19; MG 4L, 10/19; MG 5E, 10/19; MG 5L, 10/19

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2009	3.8	13.0	3.5	8.6	2.5	4.8	36.2
Average	5.4	5.2	3.4	4.0	2.8	4.0	24.8
Departure	- 1.6	7.8	0.1	4.6	- 0.3	0.8	11.4

Table 22. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
GLENN	67.5	63.4	68.2	09/29	1.0	1.0	22
V03-4705	62.2	•	•	09/25	1.0	1.0	23
HALO 4:65 ¹	57.2	•	•	09/25	1.0	1.0	31
NK S46-U6 Brand ²	57.1	•	•	09/27	1.0	1.0	29
V03-4660	50.7	•	•	09/25	1.0	1.0	25
Schillinger 435.TCS	34.7	•	•	09/18	1.0	1.0	25
GRAND MEAN	54.9	•	•	09/25	1.0	1.0	26
L.S.D (0.05 %)	14.3	•	•	9	•	•	•
C.V.	13.8	•	•	20	•	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
HBK C4926	76.2	67.4	70.7	09/21	3.3	1.0	40
Dyna-Gro 37P49 ²	75.2	•	•	09/22	1.3	1.0	33
HALO 4:94 ¹	75.1	•	•	09/27	1.0	1.0	35
HBK C4929	73.2	•	•	09/27	2.0	1.0	42
Progeny 4990	72.5	•	•	09/26	1.7	1.0	35
R00-1194F	68.3	65.3	•	09/22	1.0	1.0	30
R05-4114	67.5	•	•	09/25	1.0	1.0	20
Progeny 4910	67.1	61.8	•	09/23	2.0	1.0	40
Super Soy-09L.49N ¹	64.5	•	•	09/28	1.0	1.0	26
MPG 48-4	64.4	•	•	09/24	1.0	1.0	34
Schillinger 477.TCS	63.2	57.1	•	09/23	1.0	1.0	30
UA 4805	60.0	60.4	67.8	09/25	1.0	1.0	23
Super Soy-10L.49N ¹	59.6	•	•	09/21	1.0	1.0	26
Progeny 4928	56.6	•	•	09/24	1.0	1.0	27
Super Soy-09L.47N ¹	51.0	•	•	09/21	1.0	1.0	29
GRAND MEAN	66.3	•	•	09/24	1.4	1.0	31
L.S.D (0.05 %)	10.6	•	•	5	0.5	•	•
C.V.	9.4	•	•	14	22.5	•	•

Table 22. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, AR, 2009, Continued.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.4)</u>							
HALO 5:25 ¹	76.5	•	•	10/07	1.0	1.0	25
Super Soy-10L.51N ¹	76.3	•	•	10/07	1.0	1.0	25
S05-11482	75.2	•	•	10/03	2.0	1.0	26
Dyna-Gro 33B52 ²	74.2	•	•	09/30	1.0	1.0	27
STODDARD	71.9	64.3	68.0	10/01	1.0	1.0	22
S05-11268	71.7	•	•	10/04	1.0	1.0	23
JAKE	71.0	64.5	67.9	10/06	1.0	1.0	29
Hutcheson	68.6	62.7	68.6	10/02	1.7	1.0	25
HBK C5029	68.3	•	•	09/29	1.0	1.0	30
Ozark	67.3	61.3	68.6	09/30	1.7	1.0	26
MorSoy CB5209	66.8	•	•	10/07	1.0	1.0	34
HBK C5025	63.1	59.0	66.5	10/01	3.0	1.0	40
DB04-290	62.9	•	•	09/30	3.3	1.0	30
DB04-10997	61.0	•	•	10/02	1.0	1.0	27
DB03-10440	37.8	46.1	•	09/30	3.0	1.0	27
GRAND MEAN	67.5	•	•	10/03	1.6	1.0	28
L.S.D (0.05 %)	9.8	•	•	3	0.9	•	•
C.V.	8.7	•	•	6	33.2	•	•

Maturity Group V Late (RM 5.5 to 5.9)

HALO 5:65 ¹	78.3	•	•	10/07	1.0	1.0	33
Osage	77.4	72.0	76.4	10/05	1.0	1.0	25
DB03-1381	73.6	62.7	•	10/07	1.3	1.0	25
DB04-10836	72.9	•	•	10/07	2.3	1.0	34
ASGROW AG5605 ²	72.5	•	•	10/08	1.0	1.0	29
R04-357	72.5	67.8	•	10/07	2.0	1.0	30
R01-976	71.2	63.2	•	10/08	1.0	1.0	27
Progeny 5770	68.6	63.6	•	10/07	2.0	1.0	31
HBK C5528	67.6	•	•	10/12	1.0	1.0	32
DB03-8416	67.2	59.9	•	09/30	3.3	1.0	30
GRAND MEAN	72.2	•	•	10/07	1.6	1.0	30
L.S.D (0.05 %)	7.3	•	•	3	0.8	•	•
C.V.	5.9	•	•	4	29.5	•	•

Table 22. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, AR, 2009, Continued.

¹LibertyLink™ varieties.

²Roundup Ready™ varieties for yield comparisons.

Soil Series	Crowley silt loam
Soil pH	6.0
Previous Crop	Rice
Row Width	30 inches
Fertilizer Applied	0-100-120, 4/27
Planting Date	5/20
Herbicide Applications	Scepter + Prowl, 4/29; Roundup™, 5/21; Poast Plus, 6/29; Select Max, 8/24
Irrigation Dates	7/3, 8/18
Harvest Dates	MG 4E, 10/21; MG 4L, 10/21; MG 5E, 11/10, MG 5L, 11/10

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2009	11.5	3.1	11.3	4.9	4.1	15.0	49.9
Average	4.7	3.6	3.4	2.8	4.1	2.7	21.3
Departure	6.8	- 0.5	7.9	2.1	0.0	12.3	28.6

Table 23. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009¹.

Variety/Experimental Line	2009	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
V03-4705	67.4	•	•	10/05	1.0	1.0	32
GLENN	66.8	67.8	•	10/02	2.0	1.0	28
V03-4660	58.7	•	•	10/05	1.0	1.0	32
NK S46-U6 Brand ⁵	50.1	•	•	09/30	1.0	1.0	33
HALO 4:65 ⁴	47.3	•	•	09/29	1.0	1.0	33
Schillinger 435.TCS	38.6	•	•	09/29	1.0	1.0	28
GRAND MEAN	54.8	•	•	10/02	1.2	1.0	31
L.S.D (0.05 %)	3.9	•	•	2	•	•	•
C.V.	3.9	•	•	3	•	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
HBK C4926	68.5	71.1	68.3	10/04	1.0	1.0	35
HBK C4929	65.5	•	•	10/05	1.0	1.0	41
HALO 4:94 ⁴	62.7	•	•	10/05	1.0	1.0	30
Super Soy-09L.49N ⁴	62.0	•	•	10/05	1.0	1.0	30
R05-4114	61.6	•	•	10/03	1.0	1.0	29
MPG 48-4	58.6	•	•	10/01	1.0	1.0	33
Dyna-Gro 37P49 ⁵	58.4	•	•	10/01	1.0	1.0	36
Schillinger 477.TCS	56.3	•	•	09/30	1.0	1.0	29
Progeny 4990	56.0	•	•	10/01	1.0	1.0	35
Super Soy-09L.47N ⁴	55.6	•	•	09/28	1.0	1.0	36
Progeny 4928	53.4	•	•	10/04	1.0	1.0	33
Progeny 4910	53.1	•	•	10/05	1.0	1.0	37
UA 4805	52.7	61.2	52.5	10/02	1.0	1.0	30
Super Soy-10L.49N ⁴	51.2	•	•	10/01	1.0	1.0	29
R00-1194F	50.2	•	•	10/04	1.0	1.0	30
GRAND MEAN	57.7	•	•	10/03	1.0	1.0	33
L.S.D (0.05 %)	7.0	•	•	2	•	•	•
C.V.	7.2	•	•	4	•	•	•

Table 23. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009¹, Continued.

Variety/Experimental Line	2009	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 5.4)</u>							
HBK C5025	76.5	72.6	•	10/12	1.3	1.0	42
Super Soy-10L.51N ⁴	75.8	•	•	10/08	1.0	1.0	29
MorSoy CB5209	73.4	•	•	10/12	1.0	1.0	38
HALO 5:25 ⁴	73.1	•	•	10/09	1.0	1.0	29
Ozark	71.0	69.6	68.0	10/11	1.0	1.0	37
JAKE	69.2	70.5	68.2	10/07	1.0	1.0	32
DB04-10997	65.3	•	•	10/03	1.0	1.0	33
S05-11268	64.5	•	•	10/04	2.0	1.0	29
DB04-290	64.1	•	•	10/02	2.3	1.0	35
Dyna-Gro 33B52 ⁵	64.0	•	•	10/05	1.0	1.0	29
HBK C5029	61.0	•	•	10/06	1.0	1.0	35
S05-11482	61.0	•	•	10/02	2.0	1.0	35
STODDARD	60.8	64.8	59.6	10/03	1.0	1.0	28
Hutcheson	59.8	62.8	55.5	10/05	3.0	1.0	32
DB03-10440	59.0	60.2	•	10/03	2.3	1.0	33
GRAND MEAN	66.6	•	•	10/06	1.5	1.0	33
L.S.D (0.05 %)	7.0	•	•	3	0.4	•	•
C.V.	6.3	•	•	27	18.2	•	•
<u>Maturity Group V Late (RM 5.5 to 5.9)</u>							
HALO 5:65 ⁴	71.2	•	•	10/14	1.0	1.0	32
R01-976	70.5	•	•	10/19	1.3	1.0	35
HBK C5528	69.3	•	•	10/21	1.0	1.0	39
Progeny 5770	68.7	•	•	10/17	2.0	1.0	38
DB03-8416	68.0	66.7	•	10/06	1.3	1.0	32
ASGROW AG5605 ⁵	67.6	•	•	10/17	1.0	1.0	33
DB03-1381	67.4	64.9	•	10/12	1.3	1.0	33
Osage	67.1	66.1	•	10/09	1.3	1.0	28
DB04-10836	65.9	•	•	10/12	2.0	1.0	37
R04-357	60.6	•	•	10/11	1.3	1.0	35
GRAND MEAN	67.6	•	•	10/14	1.4	1.0	34
L.S.D (0.05 %)	7.3	•	•	2	0.5	•	•
C.V.	6.3	•	•	3	22.3	•	•

Table 23. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, AR, 2009¹, Continued.

¹The tests at this location were initially planted on May 21 and replanted on June 3.

² Average yield for 2007 and 2009

³ Average yield for 2006, 2007 and 2009

⁴LibertyLink™ varieties.

⁵Roundup Ready™ varieties for yield comparisons.

Soil Series	Sharkey clay
Soil pH	7.4
Previous Crop	Soybean
Row Width	19 inches
Planting Dates	5/21; Replanted, 6/9
Herbicide Applications	Cornerstone + Valor, 5/22; Select, 6/18, 6/23; Prefix, 6/24 Basagran + Blazer, 7/7; Select + Flexstar, 7/27
Insecticide Applications	Tundra, 8/7; Orthene, 9/24
Fungicide Application	Stratego, 9/10
Irrigation Dates	6/27, 8/14, 8/28, 9/9
Harvest Dates	MG 4E, 10/21; MG 4L, 10/21; MG 5E, 11/7; MG 5 L, 11/7

	<u>Precipitation (inches)</u>					Total
	May	June	July	August	September	
2009	11.4	1.9	6.6	2.1	6.0	28.0
Average	4.7	3.5	3.9	2.7	3.1	17.9
Departure	6.7	- 1.6	2.7	- 0.6	2.9	10.1

Table 24. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, AR, 2009.

Variety/Experimental Line	2009	2-Year Average	3-Year Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu./A.....							
<u>Maturity Group V Early (RM 5.0 to 5.4)</u>							
HALO 5:25 ¹	87.2	•	•	10/20	1.0	1.0	33
Super Soy-10L.51N ¹	85.9	•	•	10/21	1.0	1.0	34
HBK C5025	76.4	58.8	55.1	10/19	1.0	1.0	47
JAKE	76.2	64.6	63.0	10/19	1.0	1.0	35
Dyna-Gro 33B52 ²	74.4	•	•	10/15	1.0	1.0	34
Ozark	73.8	61.8	61.7	10/15	1.0	1.0	32
DB04-10997	72.7	•	•	10/15	1.0	1.0	35
MorSoy CB5209	71.8	•	•	10/21	1.0	1.0	39
Hutcheson	71.3	52.9	54.3	10/16	1.0	1.0	33
S05-11482	71.1	•	•	10/13	1.0	1.0	34
HBK C5029	69.6	•	•	10/15	1.0	1.0	39
S05-11268	68.0	•	•	10/13	1.0	1.0	28
STODDARD	67.7	60.1	60.0	10/13	1.0	1.0	27
DB04-290	65.0	•	•	10/15	1.0	1.0	34
DB03-10440	53.5	50.4	•	10/12	1.0	1.0	26
GRAND MEAN	72.3	•	•	10/16	1.0	1.0	34
L.S.D (0.05 %)	6.7	•	•	2	•	•	•
C.V.	5.5	•	•	9	•	•	•
<u>Maturity Group V Late (RM 5.5 to 5.9)</u>							
R04-357	80.2	68.1	•	10/20	1.0	1.0	34
DB03-1381	78.2	58.7	•	10/20	1.0	1.0	32
R01-976	78.0	63.5	•	10/21	1.0	1.0	35
DB04-10836	77.9	•	•	10/20	1.0	1.0	40
HALO 5:65 ¹	77.6	•	•	10/21	1.0	1.0	44
Osage	77.1	66.0	67.1	10/19	1.0	1.0	35
Progeny 5770	76.9	64.5	•	10/23	1.0	1.0	35
ASGROW AG5605 ²	74.6	•	•	10/20	1.0	1.0	37
DB03-8416	74.3	61.1	•	10/16	1.0	1.0	32
HBK C5528	74.3	•	•	10/24	1.0	1.0	40
GRAND MEAN	76.9	•	•	10/20	1.0	1.0	36
L.S.D (0.05 %)	10.1	•	•	3	•	•	•
C.V.	7.7	•	•	3	•	•	•

Table 24. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, AR, 2009, Continued.¹LibertyLink™ varieties.²Roundup Ready™ varieties for yield comparisons.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	6/2
Herbicide Application	Newpath + Dual Magnum, 6/4
Insecticide Application	Asana XL, 7/10
Irrigation Dates	6/23, 7/2, 7/15
Harvest Dates	MG 5E, 11/6; MG 5L, 11/6

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2009	8.2	2.5	6.0	4.1	7.2	9.6	37.6
Average	2.9	5.4	5.6	1.3	2.2	4.8	22.2
Departure	5.3	- 2.9	0.4	2.8	5.0	4.8	15.4

Participants and Entries
2009 Early Planted Tests

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	MorSoy RT4485N	4.4
	MorSoy RTs4706N	4.7
	MorSoy RT4707N	4.7
	MorSoy RTs4824	4.8
	MorSoy RT4914N	4.9
	MorSoy RT4919N	4.9
	MorSoy RTs4955N	4.9
	MorSoy RT5168	5.1
	MorSoy RT5388N	5.3
Channel Bio 3820 N. 56th Street Lincoln, NE 68504	Channel 4A65RS	4.6
	Channel 4A81RS	4.8
	Channel 4A82RS	4.8
Croplan Genetics 4990 NCR 583 Byltheville, AR 72315	Croplan RC4207	4.2
	Croplan RC4417	4.4
	Croplan RC4455	4.4
	Croplan RC4718S	4.7
	Croplan RC4757	4.7
	Croplan RC4877	4.8
	Croplan RC4955	4.9
	Croplan RC4998	4.9
	Croplan RC5007	5.0
	Croplan RC5222	5.2
Crop Production Services 57 Germantown Ct. Suite 200 Cordova, TN 38018	Dyna-Gro 36C44	4.4
	Dyna-Gro 33Y45	4.5
	Dyna-Gro 32R46	4.6
	Dyna-Gro 36Y48	4.8
	Dyna-Gro 37P49	4.9
	Dyna-Gro 33B52	5.2
	Dyna-Gro 32A53	5.3
Cullum Seeds LLC P.O. Box 178 Fisher, AR 72429	Armor 42-M1	4.2
	Armor ARX0431	4.3
	Armor ARX0432	4.3
	Armor 46-N7	4.5
	Armor 47-F8	4.7
	Armor ARX0471	4.7
	Armor 47-R33	4.7
	Armor ARX0473	4.7
	Armor 47-G10	4.7
	Delta King DK4560	4.5
	Delta King DKX0461	4.6
	Delta King DKR4744s	4.6
	Delta King DK 4770	4.7
	Delta King DK4968	4.9
	Delta King DKX049	4.9

Participants and Entries
2009 Early Planted Tests Continued

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4150RR	4.1
	Delta Grow 4470RR/STS	4.5
	Delta Grow 4770RR	4.7
	Delta Grow 4780RR	4.7
	Delta Grow 4870RR	4.8
	Delta Grow 4970RR	4.9
	Delta Grow 4975RR	4.9
	Delta Grow 5160RR/STS	5.1
	Delta Grow 5170	5.1
	Delta Grow 5280RR	5.2
	Delta Grow 5300RR/STS	5.3
	Delta Grow 5450RR	5.3
	Eagle Seed Company P.O. Box 308 Weiner, AR 72479	Eagle Seed ES 4818RR
Eagle Seed ES 4906RR		4.9
Eagle Seed ES 4991RR		4.9
Eagle Seed ES 5370RR		5.3
Erwin-Keith, Inc. 1529 Hwy, 193 South Wynne, AR 72396	Progeny 3909RR	3.9
	Progeny 4206RR	4.2
	Progeny 4508RR	4.5
	Progeny 4606RR	4.6
	Progeny 4706RR	4.7
	Progeny 4807RR	4.8
	Progeny 4906RR	4.9
	Progeny 4908RR	4.9
	Progeny 4949RR	4.9
	Progeny 5115RR	5.1
	Progeny 5218RR	5.2
	Progeny 5319RR	5.3
Hornbeck Seed Company P.O. Box 472 De Witt, AR 72042	HBK R3927	3.9
	HBK R4527	4.5
	HBK R4727	4.7
	HBK R4729	4.7
	HBK R4924	4.9
	HBK R5526	5.2
Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW AG3803	3.8
	ASGROW AG4005	4.0
	ASGROW AG4303	4.3
	ASGROW AG4405	4.4
	ASGROW AG4605	4.6
	ASGROW AG4606	4.6
	ASGROW DKB46-51	4.6
	ASGROW AG4703	4.7
	ASGROW DK4866	4.8
	ASGROW AG4903	4.9
	ASGROW AG4907	4.9
	ASGROW DK5068	5.0
	DELTAPINE DP 4888 RR/S	4.8

Participants and Entries
2009 Early Planted Tests Continued

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Suite 302 Huntsville, AL 35802	Pioneer 94Y20	4.2
	Pioneer 94Y70	4.7
	Pioneer 94Y80	4.8
	Pioneer 94Y90	4.9
	Pioneer 94Y91	4.9
	Pioneer 95Y01	5.0
Schillinger Seed 4200 Corporate Drive, Ste 106 West Des Moines, IA 50266	Schillinger 457.RCP	4.5
	Schillinger 458.RCS	4.5
	Schillinger 478.RCS	4.7
	Schillinger 4880.RC	4.8
	Schillinger 495.RC	4.9
	Schillinger 499.RC	4.9
	Schillinger 4990.RC	4.9
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral TV46R15	4.6
	Terral TV46R19	4.6
	Terral TV47R18	4.7
	Terral TV49R19	4.9
	Terral-REVTM 44R11	4.4
	Terral-REVTM 45R10	4.5
	Terral-REVTM 46R11	4.6
	Terral-REVTM 47R11	4.7
	Terral-REVTM 47R21	4.7
	Terral-REVTM 48R10	4.8
UniSouth Genetics, Inc. 1949 Lasea Road Nashville, TN 37211	USG 74B58	4.3
	USG 74A45	4.4
	USG 74C69	4.6
	USG 74D79	4.7
	USG 74A88	4.8
	USG 74E88	4.8
	USG 7495nRS	4.9
	USG 75M16	5.1
	USG 75Z38	5.3
University of Missouri P.O. Box 160 Portageville, MO 63873	S06-10572	4.5
	S06-3929	4.8
	S06-4649	5.2
	S06-3095	5.2

Participants and Entries
2009 Full-Season Tests

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Adrian Associates 9988 Daylilly Galesburg MI, 49053	N-ADR52718	5.2
	N-ADR55806	5.5
	N-ADR56203	5.6
AGSouth Genetics, Inc. P.O. Box 72246 Albany, GA 31708	AGS 554RR	5.5
	AGS 568RR	5.6
	AGS 597	5.9
	AGS 606RR	5.9
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	MorSoy RT4485N	4.4
	MorSoy RTs4706N	4.7
	MorSoy RT4707N	4.7
	MorSoy RTs4824	4.8
	MorSoy RT4914N	4.9
	MorSoy RT4919N	4.9
	MorSoy RTs4955N	4.9
	MorSoy RT5168	5.1
	MorSoy RT5229N	5.2
	MorSoy RT5388N	5.3
	MorSoy RT5429N	5.4
	MorSoy RT5688N	5.6
	Channel Bio 3820 N. 56th Street Lincoln, NE 68504	Channel 4A65RS
Channel 4A81RS		4.8
Channel 5651		5.6
Croplan Genetics 4990 NCR 583 Byltheville, AR 72315	Croplan RC5419	5.4
	Croplan RC5663	5.6
Crop Production Services 57 Germantown Ct. Suite 200 Cordova, TN 38018	Dyna-Gro 36C44	4.4
	Dyna-Gro 33Y45	4.5
	Dyna-Gro 32R46	4.6
	Dyna-Gro V47N9RS	4.7
	Dyna-Gro 36Y48	4.8
	Dyna-Gro 32P48	4.8
	Dyna-Gro V48N7RS	4.8
	Dyna-Gro 37P49	4.9
	Dyna-Gro V51N7RS	5.1
	Dyna-Gro 33B52	5.2
	Dyna-Gro 32A53	5.3
	Dyna-Gro 31R54	5.4
	Dyna-Gro 33X55	5.5
	Dyna-Gro 35F55	5.5
	Dyna-Gro 32B57	5.7
Dyna-Gro 33C59	5.9	

Participants and Entries
2009 Full-Season Tests Continued

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	
Cullum Seeds, LLC P.O. Box 178 Fisher, AR 72429	Armor 42-M1	4.2	
	Armor ARX0431	4.3	
	Armor ARX0432	4.3	
	Armor 46-N7	4.5	
	Armor 47-F8	4.7	
	Armor ARX0471	4.7	
	Armor 47-R33	4.7	
	Armor ARX0473	4.7	
	Armor 47-G10	4.7	
	Armor 53-Z5	5.3	
	Armor 55-A5	5.5	
	Delta King DK4560	4.5	
	Delta King DKX0461	4.6	
	Delta King DKR4744s	4.6	
	Delta King DK4770	4.7	
	Delta King DK4968	4.9	
	Delta King DKX049	4.9	
	Delta King GP-500	5.0	
	Delta King DK52K6	5.2	
	Delta King DK5363	5.3	
	Delta King GP-533	5.3	
	Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4150RR	4.1
		Delta Grow 4470RR/STS	4.4
Delta Grow 4770RR		4.7	
Delta Grow 4780RR		4.7	
Delta Grow 4790RR2		4.7	
Delta Grow 4870RR		4.8	
Delta Grow 4970RR		4.9	
Delta Grow 4975RR		4.9	
Delta Grow 5170RR		5.1	
Delta Grow 5280RR		5.2	
Delta Grow 5300RR/STS		5.3	
Delta Grow 5555RR		5.5	
Delta Grow 5970RR		5.9	
Dulaney Seed 6933 Sunflower School Road Clarksdale, MS 38614	AgVenture AV45X5RR	4.5	
	AgVenture AV47G3NRR	4.7	
	AgVenture AVEXA49B	4.9	
	AgVenture AV50X0RR	5.0	
	AgVenture AV50X6RR	5.0	
	AgVenture AV51X5RR/STS	5.1	
	AgVenture AV54X4RR	5.4	
	VP Maxx VPM44X1RR	4.4	
	VP Maxx VPM49X1RR	4.9	
	Eagle Seed Company P.O. Box 308 Weiner, AR 72479	Eagle Seed ES 4777RR	4.7
Eagle Seed ES 4922RR		4.9	
Eagle Seed ES 5507RR		5.5	
Eagle Seed ES 5519RR		5.5	

Participants and Entries
2009 Full-Season Tests Continued

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Erwin-Keith, Inc. 1529 Hwy, 193 South Wynne, AR 72396	Progeny 4206RR	4.2
	Progeny 4508RR	4.5
	Progeny 4606RR	4.6
	Progeny 4706RR	4.7
	Progeny 4807RR	4.8
	Progeny 4906RR	4.9
	Progeny 4908RR	4.9
	Progeny 4949RR	4.9
	Progeny 5115RR	5.1
	Progeny 5218RR	5.2
	Progeny 5309RR	5.3
	Progeny 5319RR	5.3
	Progeny 5409RR	5.4
	Progeny 5622RR	5.6
	Progeny 5650RR	5.6
Progeny 5706RR	5.7	
Hornbeck Seed Company P.O. Box 472 De Witt, AR 72042	HBK R3927	3.9
	HBK R4527	4.5
	HBK R4727	4.7
	HBK R4729	4.7
	HBK R4924	4.9
	HBK R5226	5.2
	HBK R5229	5.2
	HBK R5425	5.4
	HBK R5525	5.5
	HBK R5825	5.8
JGL, Inc. 1550 Pidco Drive Plymouth, IN 46563	JGL 481	4.7
	JGL 482	4.8
	JGL 483	4.9
Legacy Seed South, LLC 191 Jackson 136 Newport, AR 72112	Legacy 47-57RR	4.7
	Legacy 54-17RR/STS	5.4
	Legacy 55-56RR	5.5
Midwest Premium Genetics, LLC 523 S. Main St. Concordia, MO 64020	MPG 4509NRR/STS	4.5
	MPG 4705NRR	4.7
	MPG 4808RR	4.7
	MPG 4907NRR/STS	4.9
	MPG 4909NRR	4.9
	MPG 5308NRR	5.3
	MPG 5407NRR	5.4
	MPG 5505NRR/STS	5.5

Participants and Entries
2009 Full-Season Tests Continued

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW AG4005	4.0
	ASGROW AG4303	4.3
	ASGROW AG4605	4.6
	ASGROW AG4606	4.6
	ASGROW DKB46-51	4.6
	ASGROW AG4703	4.7
	ASGROW DK4866	4.8
	ASGROW AG4903	4.9
	ASGROW AG4907	4.9
	ASGROW DK5068	5.0
	ASGROW AG5301	5.3
	ASGROW AG5405	5.3
	ASGROW AG5503	5.5
	ASGROW AG5605	5.6
	ASGROW AG5606	5.6
	ASGROW AG5905	5.9
	DELTAPINE DP4888RR/S	4.8
	DELTAPINE DP5335RR/S	5.3
	DELTAPINE DP5915RR	5.9
	NeCo Seed Farms, Inc. P.O. Box 379 Garden City, MO 64747	Willcross RR2446N
Willcross RR2470NSTS		4.7
Willcross RR2477NSTS		4.7
Willcross 2878NSTS		4.7
Willcross RR2484N		4.8
Willcross RR2490NSTS		4.9
Willcross RR2498NSTS		4.9
Willcross RR2544NSTS		5.4
Willcross RR2547N		5.4
Willcross RR2542N		5.4
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Suite 302 Huntsville, AL 35802		Pioneer 93Y92
	Pioneer 94Y01	4.0
	Pioneer 94Y20	4.2
	Pioneer 94Y60	4.6
	Pioneer 94Y70	4.7
	Pioneer 94Y80	4.8
	Pioneer 94Y90	4.9
	Pioneer 94Y91	4.9
	Pioneer 95Y01	5.0
	Pioneer 95Y30	5.3
	Pioneer 95Y40	5.4
Pioneer 95Y70	5.7	
Schillinger Seed 4200 Corporate Drive, Ste 106 West Des Moines, IA 50266	Schillinger 457.RCP	4.5
	Schillinger 458.RCS	4.5
	Schillinger 478.RCS	4.7
	Schillinger 4880.RC	4.8
	Schillinger 495.RC	4.9
	Schillinger 499.RC	4.9
	Schillinger 4990.RC	4.9
	Schillinger 5440.RC	5.4
	Schillinger 557.RCP	5.5

Participants and Entries
2009 Full-Season Tests Continued

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Stine Seed Company 22555 Laredo Trail Adel, IA 50003	Stine 4782-4	4.7
	Stine EXP 5.4R1	5.4
Syngenta Seeds 7500 Olson Memorial Hwy Golden Valley, MN 55427	NK S46-U6 Brand	4.6
	NK S47-D9 Brand	4.7
	NK S48-C9 Brand	4.8
	NK S49-H7 Brand	4.9
	NK S52-F2 Brand	5.2
	NK S54-M7 Brand	5.4
	NK S56-L5 Brand	5.6
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral TV46R15	4.6
	Terral TV46R19	4.6
	Terral TV47R18	4.7
	Terral TV49R19	4.9
	Terral TV52R79	5.2
	Terral TV54R28	5.4
	Terral TV55R15	5.5
	Terral TV55R20	5.5
	Terral TV57R16	5.7
	Terral TV59R16	5.9
	Terral-REVTM 44R11	4.4
	Terral-REVTM 45R10	4.5
	Terral REVTM 46R11	4.6
	Terral-REVTM 47R11	4.7
	Terral-REVTM 47R21	4.7
	Terral-REVTM 48R10	4.8
	Terral-REVTM 49R11	4.9
	Terral-REVTM 49R10	4.9
	Terral-REVTM 49R20	4.9
	Terral-REVTM 49R21	4.9
	Terral-REVTM 53R11	5.3
	Terral-REVTM 53R21	5.3
	Terral-REVTM 54R10	5.4
Terral-REVTM 55R11	5.5	

Continued on next page

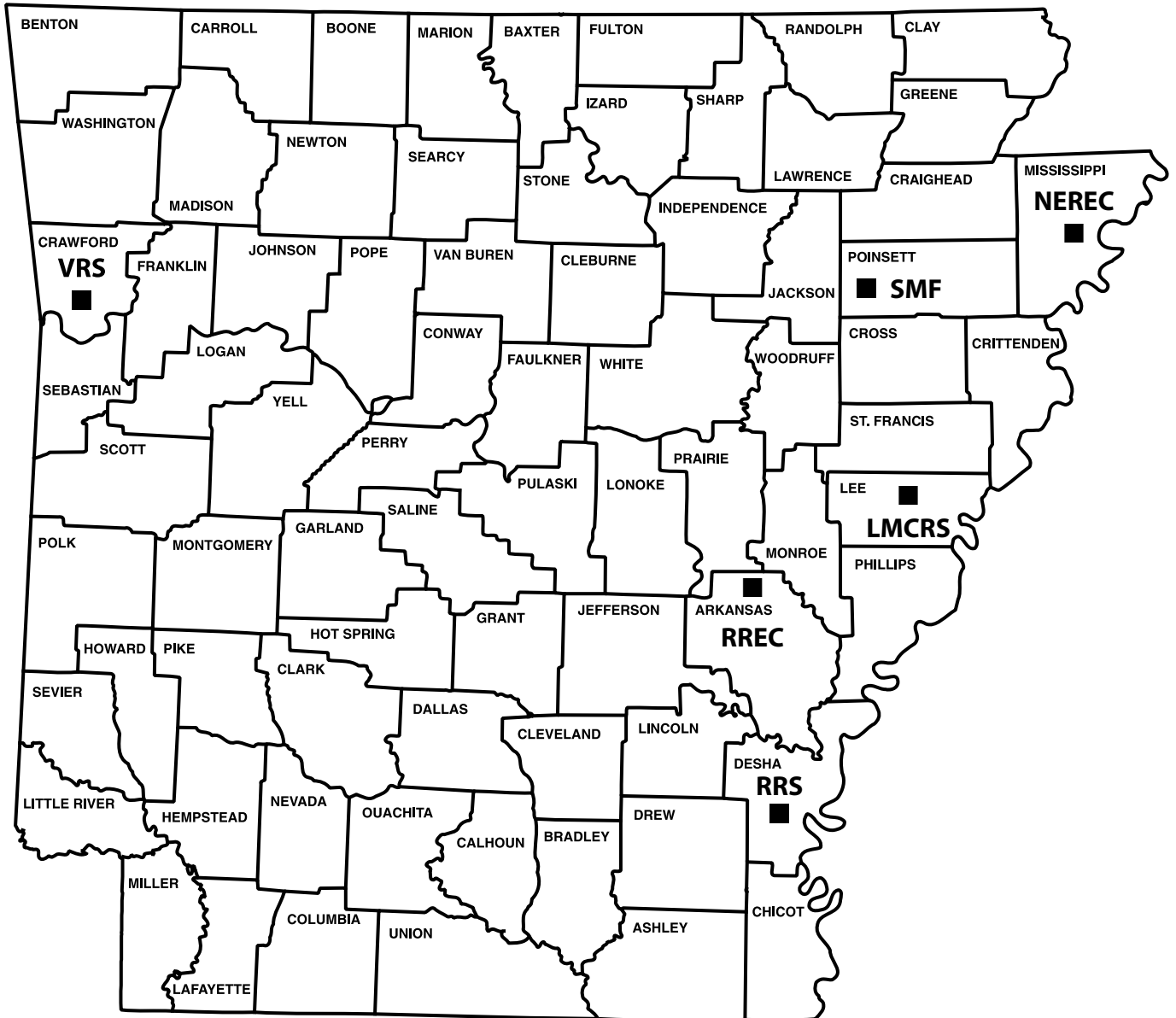
Participants and Entries
2009 Full-Season Tests Continued

<u>Company/Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
UniSouth Genetics, Inc. 1949 Lasea Road Nashville, TN 37211	USG 74A45	4.4
	USG 74C69	4.6
	USG 74A69	4.6
	USG 74A79	4.7
	USG 74D79	4.7
	USG 74G78	4.7
	USG 74A88	4.8
	USG 74E88	4.8
	USG 74A91	4.9
	USG 74F96	4.9
	USG 7495nRS	4.9
	USG 75M49	5.4
	USG 7553nRS	5.5
	USG Allen	5.6
	USG 7582nRR	5.8
	USG 75Z98	5.9
University of Missouri P.O. Box 160 Portageville, MO 63873	S06-10572	4.5
	S06-3929	4.8
	S06-3027	5.2
	S06-3095	5.2

Participants and Entries
2009 Non-Roundup Ready™ and LibertyLink™ Tests

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	MorSoy CB5209	5.2
Erwin-Keith, Inc. 1529 Hwy, 193 South Wynne, AR 72396	Progeny 4910	4.9
	Progeny 4990	4.9
	Progeny 4928	4.9
	Progeny 5770	5.7
Hornbeck Seed Company P.O. Box 472 De Witt, AR 72042	HBK C4926	4.9
	HBK C4929	4.9
	HBK C5025	5.0
	HBK C5029	5.1
	HBK C5528	5.5
	HALO 4:65	4.6
	HALO 4:94	4.9
	HALO 5:25	5.2
HALO 5:65	5.6	
Midwest Premium Genetics, LLC 523 S. Main Street Concordia, MO 64020	MPG 48-4	4.9
	Super Soy-09L.47N	4.7
	Super Soy-09L.49N	4.9
	Super Soy-10L.49N	4.9
	Super Soy-10L.51N	5.1
Schillinger Seed 4200 Corporate Drive, Ste 106 West Des Moines, IA 50266	Schillinger 435.TCS	4.3
	Schillinger 477.TCS	4.7
Virginia Tech Eastern Virginia Research Center 2229 Menokin Road Warsaw, VA 22572	V03-4660	4.0
	V03-4705	4.0
	GLENN	4.0
University of Arkansas 115 Plant Science Bldg. Fayetteville, AR 72701	UA 4805	4.8
	R05-4114	4.8
	R00-1194F	4.9
	Ozark	5.2
	Osage	5.6
	R04-357	5.6
	R01-976	5.8
University of Missouri P.O. Box 160 Portageville, MO 63873	S05-11268	5.2
	S05-11482	5.2
	Jake	5.4
	Stoddard	5.4
USDA-ARS 141 Experiment Station Road Stoneville, MS 38776	DB04-290	5.2
	DB04-10997	5.3
	DB03-10440	5.4
	DB03-8416	5.5
	DB04-10836	5.6
	DB03-1381	5.7

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 2009

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