

12-1-2004

Arkansas Soybean Performance Tests 2004

D. G. Dombek

University of Arkansas, Fayetteville

D. K. Ahrent

University of Arkansas, Fayetteville

R. D. Bond

University of Arkansas, Fayetteville

I. L. Eldridge

University of Arkansas, Fayetteville

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Recommended Citation

Dombek, D. G.; Ahrent, D. K.; Bond, R. D.; and Eldridge, I. L., "Arkansas Soybean Performance Tests 2004" (2004). *Research Series*. 107.

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Arkansas Soybean Performance Tests



D.G. Dombek
D.K. Ahrent
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I.L. Eldridge

ARKANSAS AGRICULTURAL EXPERIMENT STATION

Division of Agriculture

University of Arkansas System

December 2004

Research Series 524

This publication is available on the Internet at www.uark.edu/depts/agripub/publications

Additional printed copies of this publication can be obtained free of charge from Communication Services, 110 Agriculture Building, University of Arkansas, Fayetteville, Ark. 72701.

Cover graphic by the American Soybean Association

Technical editing and cover design by Camilla Romund and Amalie Holland

Arkansas Agricultural Experiment Station, University of Arkansas System's Division of Agriculture, Fayetteville.
Milo J. Shult, Vice President for Agriculture; Gregory J. Weidemann, Dean, Dale Bumpers College of Agricultural, Food and Life Sciences and Associate Vice President for Agriculture–Research, University of Arkansas Division of Agriculture.
SG1005QX6. The University of Arkansas Division of Agriculture follows a nondiscriminatory policy in programs and employment.
ISSN:1051-3140 CODEN:AKAMA6

ACKNOWLEDGMENTS

The contributions of the following individuals are gratefully acknowledged:

Department of Crop, Soil and Environmental Sciences, University of Arkansas, Fayetteville

Ms. Marilyn McClelland, Research Associate-Weed Science

Department of Plant Pathology, University of Arkansas, Fayetteville

Dr. Bob Robbins, Professor

Dr. John Rupe, Professor

University of Arkansas Agricultural Research and Extension Center, Fayetteville

Mr. J. V. Skinner, Center Director

University of Arkansas Cooperative Extension Service, Little Rock

Dr. Richard D. Cartwright, Extension Plant Pathologist

School of Agriculture, Arkansas State University, Jonesboro

Dr. J. D. Widick, Research Assistant Professor

Mr. Joshua Dunn, Research Specialist

Northeast Research and Extension Center, Keiser

Dr. F. M. Bourland, Center Director

Mr. Eddie Gordon, Program Technician

Cotton Branch Station, Marianna

Mr. Claude Kennedy, Resident Director

Mr. Dale Yadon, Program Technician

Southeast Research and Extension Center, Monticello

Dr. Kelly Bryant, Center Director

Mr. Larry Earnest, Superintendent, Rohwer Division

Mr. Randy Cingolani, Program Associate, Rohwer Division

Rice Research and Extension Center, Stuttgart

Dr. Christopher Deren, Center Director

Mr. Jamie Branson, Program Technician

Vegetable Substation, Kibler

Mr. Dennis Motes, Resident Director

Mr. Steve Eaton, Program Associate

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2004 ARKANSAS SOYBEAN PERFORMANCE TESTS¹
D. G. Dombek², D. K. Ahrent³, R.D. Bond⁴, and I. L. Eldridge³

INTRODUCTION

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

The 2004 soybean cultivar performance tests were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Cotton Branch Station (CBS) near Marianna, the Rice Research and Extension Center (RREC) near Stuttgart, the Southeast Research and Extension Center - Rohwer Division (SEREC-RD) near Rohwer and the Vegetable Substation (VSS) near Kibler. A test location map can be found inside the back cover.

METHODS

Soybean cultivars were entered by commercial seed companies and state and federal institutions. Recommended cultural practices were used at each location and all data were taken from a uniform set of instructions.

Cultivars were grouped by maturity groups based on information provided by the originating company or institution. To facilitate field operations, and to allow for fairer comparisons between cultivars, entries in the Group IV and V Commercial Cultivar Tests (CCT) were separated into "early" cultivars and "late" cultivars. Cultivars in the "early" Group IV test had a relative maturity range of 4.0 to 4.7 and in the Group V test, a range of 5.0 to 5.5. Cultivars in the "late" Group IV test had a relative maturity range of 4.8 or 4.9 and in the "late" Group V test, a range of 5.5 to 5.9.

Early planted tests (EPT) were established at NEREC, SEBS, and VSS. As with the CCT IVs and Vs, entries in the EPT were subdivided into "early" and "late" cultivars.

Within each test, entries were arranged as a randomized complete block design with three replications. Plots in all tests were 4 or 5 rows wide depending on between-row spacing and 20 feet in length. Seed 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. The cultural practice notes that accompany each table have information on end trimming at each location. Percent moisture was recorded for all harvested seed of early-planted tests and plot weights were adjusted to thirteen percent moisture. Harvested seed of all other tests were not adjusted to uniform moisture. Plot weights of all

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.

²Program Director, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, AR 72701.

³Program Associates, Department of Crop, Soil & Environmental Sciences, University of Arkansas, Fayetteville, AR 72701.

⁴Program Technician, Department of Crop, Soil & Environmental Sciences, University of Arkansas, Fayetteville, AR 72701.

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
2. 1-3% shattered
3. 4-8% shattered
4. 9-19% shattered
5. 20% or more shattered

Lodging ratings were recorded on a scale from 1 to 5 based on the following criteria:

1. Almost all plants erect
2. Either all plants leaning slightly, or a few plants down
3. Either all plants leaning moderately, or 25-50% of the plants down
4. Either all plants leaning considerably, or 50-80% of the plants down
5. All plants down badly

Average plant height was recorded in inches for each plot.

Tests were established at the Main Experiment Station at Fayetteville on a Taloka silt loam soil to evaluate cultivar sensitivity to the herbicide propanil. Propanil was applied over-the-top of one-half of each plot at 0.75 lb active ingredient/A (0.25X recommended rate) when plants were in the V4 to V5 growth stage to simulate drift from rice fields. Plots were visually rated 7 and 21 days after propanil application by Marilyn McClelland.

Table 1. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation, Kibler, AR, 2004.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Early Maturing Cultivars (RM 4.7 or Less)</u>							
Progeny 4401RR	68.2	65.8	.	9-13	1.0	1.0	43
Deltapine DP4748S	67.8	.	.	9-17	1.3	1.0	48
Deltapine DP4331RR	63.8	.	.	9-11	1.0	1.0	42
DEKALB DKB36-52	63.7	.	.	9-21	1.0	1.0	42
Armor 44-R5	63.7	63.6	59.4	9-06	1.0	1.0	35
Pioneer 94B73	63.3	63.4	.	9-07	1.0	1.0	43
Dyna Gro 3392nRR	63.0	.	.	9-01	1.0	1.0	40
Delta King 4461RR	61.7	61.3	58.1	9-10	1.0	1.0	47
PGY 4304RR	61.3	.	.	9-08	1.0	1.0	38
Armor 47-G7	61.1	61.5	61.6	9-12	1.0	1.0	41
Morsoy RT4480	60.6	59.6	55.0	9-12	1.0	1.0	44
DEKALB DKB44-51	60.3	62.1	.	8-29	1.0	1.0	34
Delta King 3964RR	60.3	.	.	8-29	1.0	1.0	44
ARX B43104	59.8	.	.	9-08	1.0	1.0	40
Delta Grow 4840RR	59.6	.	.	9-11	1.0	1.0	41
ASGROW AG4201	59.5	62.7	57.9	9-07	1.0	1.0	39
ASGROW AG4403	59.5	60.4	55.7	9-09	1.0	1.0	45
Armor 44-R4	59.4	61.2	56.4	9-09	1.0	1.0	42
Terral TVX44R401	59.4	.	.	9-07	1.0	1.0	41
Terral TVX45RL21	59.2	.	.	9-10	1.0	1.0	43
ASGROW AG4603	59.1	56.6	54.5	9-11	1.0	1.0	42
HBK R4623	59.0	56.8	.	9-10	1.0	1.0	43
Pioneer 93M90	58.8	.	.	9-02	1.0	1.0	41
NK Brand S43-B1	58.7	.	.	9-06	1.0	1.0	37
DEKALB DKB46-51	58.4	58.9	.	9-11	1.0	1.0	41
Delta King 4763RR	58.1	60.2	60.1	9-11	1.0	1.0	39
PGY 4604RR	56.8	.	.	9-14	1.0	1.0	44
HBK R4023	56.7	.	.	9-07	1.0	1.0	41
ASGROW AG3905	56.1	59.8	.	9-03	1.0	1.0	40
Delta King 3968RR	56.0	60.6	56.0	8-30	1.0	1.0	33
Deltapine DP3861RR	55.9	60.7	.	8-30	1.0	1.0	36
Delta Grow 4340RR	55.9	.	.	9-08	1.0	1.0	39
Deltapine DP4724RR	55.7	.	.	9-13	1.0	1.0	40
ASGROW AG4502	55.0	57.4	.	9-10	1.0	1.0	39
Terral TVX45RN21	54.8	.	.	9-11	1.0	1.0	42
Croplan RC4464	54.5	.	.	9-07	1.0	1.0	37
Progeny 3900RR	53.5	56.7	.	9-02	1.0	1.0	38
Delta King 4661RR	53.2	.	.	9-12	1.0	1.0	41
Delta King XTJ546	53.1	.	.	9-11	1.0	1.0	41
Deltapine DPX3950RR	53.0	.	.	9-03	1.0	1.0	41
Delta King XTJ543	52.7	.	.	9-11	1.0	1.0	37
Delta Grow 4630RR	52.0	.	.	9-13	1.0	1.0	42
Delta King 4161RR	51.7	.	.	8-31	1.0	1.0	38

Table 1. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation, Kibler, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Early Maturing Cultivars (RM 4.7 or Less) Continued</u>							
Terral TVX45RM21	51.7	.	.	9-10	1.0	1.0	43
Terral TV39RS31	51.6	52.6	.	9-02	1.0	1.0	39
Southern States RT4502N	51.1	53.6	52.5	9-10	1.0	1.0	47
Dyna Gro 3373nRR	50.6	.	.	8-29	1.0	1.0	36
Armor 39-E9	50.4	57.8	55.3	8-30	1.0	1.0	39
PGY 4703RR	49.4	48.2	.	9-17	1.0	1.0	50
Deltapine DP4546RR	49.1	.	.	9-11	1.0	1.0	41
Armor GP 470	48.4	.	.	9-11	1.0	1.0	44
Pioneer 94B13	48.2	55.5	54.3	9-03	1.0	1.0	38
Pioneer 93M50	47.8	.	.	8-26	1.0	1.0	36
ASGROW AG3802	44.8	.	.	9-20	1.0	1.0	39
Grand mean	56.6	.	.	9-08	1.0	1.0	41
LSD (5%)	10.1	.	.	5	0.1	ns	.
C.V. (%)	11.0	.	.	4	7.8	.	.
<u>Late Maturing Cultivars (RM 4.8 to 5.3)</u>							
DEKALB DKB51-51	75.8	.	.	9-19	1.0	1.0	46
Ozark	69.8	57.7	57.4	9-25	1.0	1.0	38
Progeny 4949RR	69.7	62.3	.	9-20	1.3	1.0	40
Delta King 5161RR	69.6	61.8	.	9-25	1.0	1.0	32
Delta Grow 4970RR	67.3	.	.	9-17	1.0	1.0	41
R98-1817	67.0	62.1	.	9-21	1.0	1.0	35
Deltapine DP5110S	66.8	.	.	9-21	1.0	1.0	46
HBK R4820	66.6	61.9	60.4	9-14	1.0	1.0	43
Croplan RC4992	65.4	58.1	55.1	9-19	1.0	1.0	47
Delta King 4967RR	65.4	63.3	.	9-13	1.0	1.0	40
Delta King 5366RR	65.3	59.4	58.0	9-29	1.0	1.0	39
HBK R4924	65.1	.	.	9-20	1.0	1.0	46
Armor GP 499	64.6	.	.	9-16	1.0	1.0	41
Progeny 4860RR	64.1	59.4	.	9-19	1.0	1.0	38
Armor GP 474	63.5	64.5	.	9-13	1.0	1.0	39
Morsoy RT4802	63.4	62.5	60.8	9-15	1.0	1.0	38
HBK R4724	63.3	.	.	9-18	1.0	1.0	44
ASGROW AG4801	62.1	.	.	9-14	1.0	1.0	36
Deltapine DPX4891RR	62.1	.	.	9-10	1.0	1.0	40
Southern States RT5130N	61.1	.	.	9-18	1.0	1.0	33
Terral TVX48RL27	61.1	.	.	9-17	1.0	1.0	39
Progeny 5250RR	60.9	56.6	59.0	9-23	1.0	1.0	28
Croplan RC5332	60.5	.	.	9-27	1.0	1.0	39
Delta Grow 4960RR	60.5	.	.	9-20	1.0	1.0	34
Croplan RC5003	60.0	.	.	9-19	1.0	1.0	38

Table 1. Performance of Irrigated Early Planted Soybean Cultivars, Vegetable Substation, Kibler, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Late Maturing Cultivars (RM 4.8 to 5.3) Continued</u>							
Delta Grow 4860RR	59.8	.	.	9-12	1.0	1.0	37
Croplan RC5222	59.5	.	.	9-21	1.0	1.0	37
ASGROW AG4903	59.4	.	.	9-11	1.0	1.0	38
Progeny 4910	59.0	56.4	55.7	9-19	1.0	1.0	42
Deltapine DP4933RR	59.0	.	.	9-16	1.0	1.0	47
HBK R5123	58.7	.	.	9-26	1.0	1.0	47
PGY 4804RR	57.7	.	.	9-13	1.0	1.0	35
Southern States RT5302N	57.6	54.8	.	9-26	1.0	1.0	35
ARX D52104	57.3	.	.	9-20	1.0	1.0	33
Southern States RT4902N	57.0	52.8	.	9-20	1.0	1.0	47
Armor 49-T3	56.8	.	.	9-13	1.0	1.0	39
Southern States RT4980N	56.0	48.8	.	9-13	1.0	1.0	41
ASGROW AG4902	55.7	54.3	54.9	9-17	1.0	1.0	42
Morsoy RT4993	55.1	59.0	.	9-11	1.0	1.0	38
Terral TVX48RN27	54.9	.	.	9-17	1.0	1.0	38
Croplan RC4842	54.8	58.0	.	9-12	1.0	1.0	39
Delta Grow 5260RR	54.4	.	.	9-23	1.0	1.0	38
Delta King 4862RR	53.4	.	.	9-14	1.0	1.0	47
Southern States RT5001N	52.2	.	.	9-21	1.0	1.0	39
Pioneer 94M90	49.1	.	.	9-14	1.0	1.0	34
Grand mean	61.1	.	.	9-18	1.0	1.0	39
LSD (5%)	9.2	.	.	3	0.1	ns	.
C.V. (%)	9.2	.	.	3	8.5	.	.

¹ Average yield for 2003 and 2004.

² Average yield for 2002, 2003 and 2004.

Soil Series..... Roxanna silt loam
 Previous Crop..... Soybean
 Row Width..... 36"
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-6-04
 Herbicide Application..... 1.66pts./A Dual Magnum, 5-6-04; 40 gal./A Pursuit 70 DG, 5-6-04
 Irrigation Dates..... 5-7-04, 5-24-04, 7-22-04, 8-17-04
 End Trimming..... None
 Harvest Dates..... EPT: 9-20-04
 EPT: 9-30-04

Precipitation (inches)

	May	June	July	August	September	Total
2004	1.6	10.3	7.6	0.9	0.8	21.2
Average	5.4	5.6	1.3	2.2	4.8	19.3
Departure	-3.8	+4.7	+6.3	-1.3	-4.0	+1.9

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹.

Brand/Hybrid	Keiser ²	Keiser	Mar. ³	Mar. ⁴	Stuttgart ⁵	Rohwer	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	
-----bu/A-----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
435RC	66.8	59.2	53.4	44.7	53.6	55.6	55.6
465RC	69.6	62.3	56.4	44.7	58.2	60.6	58.6
Armor 39-E9	60.4	52.3	55.5	48.2	46.8	51.0	52.4
Armor 44-R4	68.9	66.8	58.1	46.0	59.1	72.1	61.8
Armor 44-R5	71.4	59.9	65.5	52.7	55.5	50.8	59.3
Armor 47-G7	73.5	71.8	59.9	49.7	59.7	68.3	63.8
ARX B43104	69.6	*	*	*	*	60.5	*
ASGROW AG4201	71.1	65.4	64.0	44.2	54.2	62.9	60.3
ASGROW AG4403	70.5	60.1	55.8	43.5	59.2	68.2	59.6
ASGROW AG4502	72.0	63.1	60.8	46.7	61.2	67.8	61.9
ASGROW AG4603	71.6	68.4	55.5	43.5	55.9	55.5	58.4
AV 46J5NRR	73.7	58.4	69.6	50.0	52.3	60.4	60.7
DEKALB DKB44-51	73.4	60.0	63.4	46.2	59.3	68.2	61.8
DEKALB DKB46-51	77.1	62.6	66.4	52.4	52.3	69.3	63.4
Delta Grow 4340RR	66.3	55.1	68.1	41.8	50.7	48.8	55.1
Delta Grow 4630RR	69.2	62.9	48.7	42.0	61.4	63.6	58.0
Delta Grow 4840RR	71.8	66.4	59.6	42.2	62.0	78.4	63.4
Delta King 4161RR	66.9	56.9	52.9	41.7	47.1	48.4	52.3
Delta King 4461RR	75.8	63.1	58.5	45.2	61.1	72.3	62.7
Delta King 4661RR	65.1	53.5	48.7	39.3	50.3	64.3	53.5
Delta King 4763RR	72.5	61.5	66.6	46.0	57.7	62.0	61.1
Delta King XTJ501	69.4	69.5	56.4	44.7	62.7	75.5	63.0
Delta King XTJ502	71.4	66.1	63.7	48.0	58.9	61.3	61.6
Delta King XTJ540	65.2	58.6	56.1	39.3	53.9	58.1	55.2
Delta King XTJ543	61.6	52.0	63.4	45.7	56.1	52.8	55.3
Delta King XTJ545	68.9	67.4	55.5	44.0	66.5	66.7	61.5
Delta King XTJ546	66.7	62.2	51.9	43.2	62.1	61.8	58.0
Deltapine 4331RR	73.0	65.8	58.4	42.7	58.5	70.4	61.5
Deltapine 4546RR	70.4	60.9	46.4	43.0	57.1	65.4	57.2
Deltapine 4724RR	76.8	70.9	60.2	45.7	55.9	64.7	62.4
Dyna Gro 3443NRR	69.0	70.1	55.5	45.7	60.1	72.2	62.1
Dyna Gro 3463NRR	67.0	57.4	53.7	41.5	51.8	63.1	55.8
ESXT-4711	71.2	*	*	*	*	71.6	*
Garst 4612RR/N	78.7	*	*	*	*	70.0	*
Genesis C444RR	68.0	62.9	57.3	44.0	60.2	68.8	60.2
Genesis E434NRR	71.9	45.9	64.3	42.5	51.9	45.6	53.7
Golden Harvest H-4368RR	65.2	53.8	62.5	51.2	42.5	49.6	54.1
Golden Harvest H-4749RR	74.1	66.3	56.4	39.0	57.1	73.4	61.1
HBK R4023	61.1	66.3	48.4	40.5	48.1	69.5	55.7
HBK R4623	68.4	58.1	56.3	43.2	59.4	64.8	58.4
Morsoy RT4304	68.4	53.5	62.8	46.5	57.0	51.6	56.6
Morsoy RT4480	74.0	66.1	55.5	42.7	59.8	64.6	60.5
MPV 4705nRR	71.1	63.2	68.1	51.9	60.3	65.7	63.4
NK Brand S43-B1	71.3	59.0	56.7	42.2	45.5	52.1	54.5

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹, Continued.

Brand/Hybrid	Keiser ² Irr.	Keiser Non.	Mar. ³ Irr.	Mar. ⁴ Non.	Stuttgart ⁵ Irr.	Rohwer Irr.	Avg.
-----bu/A-----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>							
PGY 4304RR	66.7	45.5	64.9	42.7	56.4	59.9	56.0
PGY 4604RR	65.9	67.3	54.9	46.2	64.6	66.1	60.8
Pioneer 94B73	77.3	66.5	58.7	45.0	60.9	77.8	64.4
Pioneer 94M70	76.5	64.9	56.1	42.2	55.5	70.1	60.9
Progeny 3900RR	62.5	57.1	55.8	44.7	54.0	62.7	56.1
Progeny 4401RR	73.3	67.0	56.4	43.0	58.6	71.0	61.6
Progeny 4703RR	63.5	61.5	40.8	32.1	53.7	63.2	52.5
S02-677RR	67.9	58.4	51.4	41.5	61.7	74.4	59.2
S02-679RR	66.0	60.2	57.2	36.0	57.3	64.4	56.9
Terral TVX44R401	60.3	54.9	65.5	40.3	51.3	59.4	55.3
Terral TVX45RL21	70.4	56.6	52.6	41.5	61.6	66.3	58.2
Terral TVX45RM21	62.9	65.6	53.7	50.2	57.5	64.7	59.1
Terral TVX45RN21	71.4	61.4	51.9	40.7	57.5	71.0	59.0
Terral TVX46R401	66.0	61.7	52.5	46.9	62.5	61.8	58.6
USG 7434nRR	76.2	71.9	68.1	44.0	56.2	67.6	64.0
USG 7440nRR	71.7	60.3	55.5	40.0	61.0	74.3	60.5
USG 7443nRR	68.5	57.3	61.7	43.9	52.9	55.1	56.6
Grand mean	69.6	61.4	57.8	44.1	56.7	63.9	58.9
LSD (5%)	6.6	10.9	5.6	8.1	6.1	8.8	*
C.V. (%)	5.8	10.8	5.9	11.2	6.6	8.6	*
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
495RC	66.6	77.9	59.3	43.2	58.3	60.4	61.0
Armor 49-T3	60.1	*	*	*	*	61.7	*
Armor GP 474	65.8	66.1	57.8	41.0	47.0	58.9	56.1
Armor GP 499	65.8	*	*	*	*	57.5	*
ASGROW AG4801	62.9	65.4	65.2	41.5	46.5	51.5	55.5
ASGROW AG4902	60.9	61.9	57.6	36.0	47.8	53.7	53.0
ASGROW AG4903	66.3	70.5	50.5	34.8	55.9	72.7	58.5
AV 49J7NRR	60.3	66.8	58.1	35.0	50.8	62.5	55.6
Delta Grow 4860RR	64.2	70.9	57.5	41.5	47.6	59.0	56.8
Delta Grow 4960RR	61.0	66.2	55.2	42.5	51.3	57.2	55.6
Delta Grow 4970RR	72.4	73.5	58.4	46.0	62.5	71.5	64.1
Delta King 4862RR	60.1	59.5	43.7	34.1	51.6	50.7	50.0
Delta King 4866RR	66.8	70.1	50.2	39.5	51.0	61.2	56.5
Delta King 4868RR	71.2	65.6	54.0	33.5	54.2	53.1	55.3
Delta King 4967RR	70.4	71.4	64.3	42.7	48.3	57.0	59.0
Delta King XTJ503	63.3	68.2	65.5	39.3	48.9	54.9	56.7
Delta King XTJ549	59.0	64.8	46.7	30.1	51.2	52.0	50.6
Delta King XTJ54J9	59.9	60.3	49.6	33.5	48.4	53.3	50.8
Delta King XTJ54X9	56.1	55.4	40.8	26.1	47.7	46.6	45.5
Deltapine 4933RR	61.0	61.0	49.6	31.0	54.1	55.5	52.0

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹, Continued.

Brand/Hybrid	Keiser ²	Keiser	Mar. ³	Mar. ⁴	Stuttgart ⁵	Rohwer	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	
-----bu/A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Deltapine X4891RR	69.1	61.9	65.4	37.4	49.4	63.2	57.7
DT97-4290	66.6	64.0	50.5	38.7	47.4	60.5	54.6
DT98-7278	68.3	64.8	55.2	38.1	54.5	63.4	57.4
DT98-9102	58.0	60.1	44.6	37.3	57.7	69.1	54.5
DT99-17445	62.6	63.6	43.5	36.5	51.8	58.9	52.8
Dyna Gro 3481NRR	70.1	69.9	61.7	40.2	50.0	54.7	57.8
Dyna Gro 3484NRR	58.7	60.8	58.7	32.5	51.3	41.2	50.5
Dyna Gro 36M49	72.9	63.9	61.7	36.5	48.1	59.6	57.1
Dyna Gro SX04349	60.6	59.6	51.4	34.3	52.4	54.2	52.1
ESXVT-17RR	56.1	61.7	48.5	32.5	51.6	62.3	52.1
FFR 4922RR	59.4	63.6	49.3	33.3	52.5	43.0	50.2
Garst 4999RR/N	61.5	*	*	*	*	67.4	*
Garst 5012RR/N	61.5	67.4	54.9	37.0	56.5	60.8	56.4
Garst D484RR/N	63.1	*	*	*	*	48.3	*
Garst XR48N20	63.5	*	*	*	*	60.0	*
Genesis D484RR	62.9	70.4	56.4	36.5	42.7	59.7	54.8
Genesis D491RR	64.2	63.7	62.0	33.3	51.9	54.2	54.9
Genesis E484RR	67.6	64.5	63.1	36.2	48.1	72.3	58.6
HBK R4724	68.0	70.3	50.8	37.0	48.8	55.6	55.1
HBK R4820	66.5	66.8	54.9	36.7	54.9	66.1	57.7
HBK R4924	59.4	60.8	55.2	38.3	54.5	58.8	54.5
HBK R4945CX	55.4	52.7	41.7	23.6	44.4	42.2	43.3
Manokin	58.8	60.2	46.4	37.5	50.2	63.8	52.8
Mor soy RT4993	68.8	60.6	61.1	39.5	48.8	64.6	57.2
MPV 4805nRR	64.9	68.0	61.9	48.9	49.0	66.9	59.9
MPV 4905nRR	66.7	65.6	61.6	37.5	51.6	60.3	57.2
NK Brand S49-Q9	60.6	66.2	56.3	34.0	44.0	51.8	52.2
PGY 4804RR	69.1	64.2	62.5	37.8	49.5	64.7	58.0
Pioneer 94M90	59.0	64.3	57.9	37.0	48.6	57.4	54.0
Progeny 4860RR	60.4	66.0	56.1	39.7	52.3	50.8	54.2
Progeny 4910	68.0	64.7	48.7	28.3	56.4	60.4	54.4
Progeny 4949RR	68.2	70.8	46.1	40.0	61.1	60.6	57.8
R98-1817	62.3	62.3	49.6	43.2	49.3	60.4	54.5
RJ97-500	59.8	*	*	*	*	53.5	*
S00-9925-10	62.3	*	*	*	*	67.7	*
S02-683RR	58.9	60.1	51.7	31.6	53.2	60.0	52.6
Southern States RT4902N	59.3	60.9	47.9	32.0	51.8	50.5	50.4
Southern States RT4980	61.0	59.1	53.1	35.8	42.4	59.1	51.8
Southern States RT5001N	59.1	60.5	47.6	33.0	53.6	51.0	50.8
Southern States RT5130N	58.6	64.6	55.8	44.0	48.8	52.9	54.1
Southern States RT517N	55.8	61.0	44.9	32.8	45.4	52.6	48.8
Terral TV49R12	57.7	54.6	38.8	25.3	51.1	57.4	47.5
Terral TVX48R413	66.5	59.2	63.1	46.7	52.6	73.0	60.2

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹, Continued.

Brand/Hybrid	Keiser ²	Keiser	Mar. ³	Mar. ⁴	Stuttgart ⁵	Rohwer	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	
-----bu/A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Terral TVX48RL27	64.8	67.8	52.3	42.7	57.2	69.1	59.0
Terral TVX48RM27	60.8	70.8	54.3	36.5	61.3	60.1	57.3
Terral TVX48RN27	66.7	70.7	50.5	39.0	57.8	56.8	56.9
Terral TVX49R302	58.6	59.5	47.3	24.4	52.8	53.0	49.3
USG 7482nRR	70.4	69.2	60.2	38.2	49.6	49.5	56.2
USG 7484nRR	70.2	64.0	65.8	37.3	48.9	61.3	57.9
USG 7494nRR	66.8	64.0	59.3	40.0	48.2	68.9	57.9
USG 7499nRR	57.4	61.9	57.2	40.5	44.8	49.4	51.9
-							
Grand mean	63.3	64.5	54.2	36.7	51.1	58.2	54.7
LSD (5%)	6.3	5.4	5.9	8.4	6.7	12.1	*
C.V. (%)	6.2	5.3	6.8	14.3	8.1	13.0	*
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
545 RCP	59.4	60.9	59.0	41.7	57.3	56.6	55.8
Armor 53-K3	57.3	58.5	42.3	49.5	49.1	45.9	50.4
Armor 54-03	58.4	*	*	*	*	60.0	*
Armor GP 513	55.6	61.9	46.7	53.9	53.8	78.1	58.3
Armor GP 530	52.8	58.7	39.6	39.1	51.3	74.6	52.7
ARX D52104	61.7	*	*	*	*	49.6	*
ARX E54104	57.2	*	*	*	*	52.1	*
ARX E57104	65.4	*	*	*	*	68.9	*
ASGROW A5427	66.0	60.4	60.2	46.9	56.4	52.7	57.1
ASGROW AG5301	59.2	64.2	49.6	48.9	56.3	59.2	56.2
ASGROW AG5501	59.8	62.2	43.2	43.2	55.8	62.7	54.5
AV50J6NRR	61.5	69.5	48.4	52.4	54.2	60.5	57.8
AV52T2NRR	56.7	64.7	44.3	40.3	54.4	66.7	54.5
Croplan RC5555	54.1	*	*	*	*	54.9	*
DB00-087	63.7	72.2	42.0	53.9	58.0	72.9	60.5
DB00-141	58.3	71.7	37.3	39.2	57.2	66.2	55.0
DB00-155	60.1	66.4	41.4	42.7	54.5	62.2	54.6
DEKALB DKB54-52	57.5	63.1	48.1	48.9	53.8	69.9	56.9
Delsoy 5500	55.1	65.4	39.6	* ⁶	50.9	60.0	54.2
Delta Grow 5260RR	54.8	65.5	49.3	47.6	52.4	66.9	56.1
Delta Grow 5460RR	56.7	59.4	44.6	45.2	52.0	57.8	52.6
Delta Grow 5555RR	57.9	66.3	27.6	38.0	58.8	63.0	51.9
Delta King 5161RR	59.5	64.2	45.5	48.2	57.5	79.2	59.0
Delta King 5366RR	56.4	65.2	44.3	47.7	54.2	69.9	56.3
Delta King 5567RR	61.8	68.9	47.0	50.4	59.1	69.5	59.5
Delta King 55T6	66.3	68.9	47.5	49.4	58.8	72.4	60.6
Delta King XTJ504	60.3	66.3	48.7	44.0	55.7	65.2	56.7
Delta King XTJ505	60.2	63.2	42.0	43.2	52.5	73.3	55.7
Delta King XTJ554	58.1	64.2	51.1	46.5	47.9	51.6	53.2

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹, Continued.

Brand/Hybrid	Keiser ²	Keiser	Mar. ³	Mar. ⁴	Stuttgart ⁵	Rohwer	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	
-----bu/A-----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Delta King XTJ55J5	55.4	63.4	29.7	42.2	54.9	69.9	52.6
Deltapine 5414RR	58.2	62.3	44.6	43.7	54.7	65.1	54.8
Dyna Gro 33B52	59.7	65.0	47.0	47.6	51.7	74.8	57.6
Dyna Gro 3535NRR	56.2	63.4	43.1	44.9	52.3	69.8	55.0
ESXT-5450	56.2	*	*	*	*	70.8	*
ESXVT-19RR	54.0	59.2	41.1	47.5	57.0	67.2	54.3
FFR 5033RR	59.3	72.2	49.6	58.4	55.3	59.0	59.0
FFR 5225RR	56.9	62.6	49.0	43.7	54.3	59.7	54.4
Garst 5212RR/N	57.0	63.3	43.2	38.5	51.2	58.7	52.0
Garst 5225RR	60.3	*	*	*	*	71.5	*
Genesis D524RR	60.8	63.2	48.4	54.1	56.4	66.1	58.2
Golden Harvest H-5053RR	66.8	67.3	58.7	44.2	47.9	63.2	58.0
Golden Harvest H-5492RR	57.4	62.5	44.0	47.2	56.4	48.3	52.6
HBK R5123	55.4	60.4	34.9	35.7	56.9	65.0	51.4
HBK R5224	60.0	62.1	44.0	49.7	51.3	49.4	52.8
HBK R5324	62.5	64.3	45.2	49.7	55.4	56.5	55.6
HBK R5422	56.5	60.9	44.3	50.2	50.5	59.7	53.7
HBK R5424S	60.0	65.6	50.5	49.7	50.9	53.7	55.1
HBK R5524	59.3	66.1	32.6	44.0	54.8	68.9	54.3
Hutcheson	53.8	62.9	35.8	47.9	55.1	69.6	54.2
Morsoy RT5204	58.1	64.7	48.4	47.7	47.3	59.7	54.3
Morsoy RT5252	58.7	63.4	49.9	46.5	52.5	58.8	55.0
Morsoy RT5553	50.2	63.5	45.5	44.2	55.1	52.3	51.8
MPV 5504NRR	51.9	64.1	42.0	39.4	52.1	65.2	52.5
MPV 5505NRR	56.8	64.5	39.6	42.7	57.8	55.8	52.9
NK Brand S50-N3	63.1	67.2	46.7	42.2	46.3	60.8	54.4
NK Brand S52-U3	58.9	62.5	47.9	43.4	50.0	62.0	54.1
Ozark	63.3	65.3	43.8	50.2	51.0	61.2	55.8
PGY 5404RR	58.2	60.6	45.2	43.5	52.0	63.9	53.9
Pioneer 95B32	57.6	66.2	46.7	44.6	51.0	53.0	53.2
Pioneer 95B42	59.2	71.2	43.4	42.5	52.1	53.6	53.7
Pioneer 95B43	58.7	60.6	37.3	36.7	50.5	63.0	51.1
Progeny 5250RR	63.3	61.0	52.3	41.7	53.2	54.6	54.4
Progeny 5503RR	52.6	63.1	46.4	39.4	53.7	57.1	52.1
S00-9970-08	59.9	*	*	*	*	69.6	*
S00-9970-09	61.7	*	*	*	*	73.4	*
S02-611RR	58.8	60.4	47.6	46.9	55.2	67.2	56.0
Southern States RT5302N	54.8	63.2	49.0	46.0	50.4	57.5	53.5
Southern States RT5540N	56.9	64.1	45.2	54.4	55.1	66.2	57.0
Southern States RT557N	54.0	59.9	35.5	39.8	55.2	57.8	50.4
Teejay	60.3	68.9	39.6	48.2	56.7	63.8	56.3
Terral TVX52R301	61.5	64.1	49.9	49.2	50.5	58.3	55.6
Terral TVX55R403	54.4	62.0	43.8	38.8	50.1	63.3	52.1

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹, Continued.

Brand/Hybrid	Keiser ² Irr.	Keiser Non.	Mar. ³ Irr.	Mar. ⁴ Non.	Stuttgart ⁵ Irr.	Rohwer Irr.	Avg.
-----bu/A-----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Terral TVX55RL23	59.0	68.3	29.1	37.0	57.7	67.4	53.1
Terral TVX55RM23	53.5	63.6	29.4	40.5	54.4	63.4	50.8
Terral TVX55RN23	58.5	64.7	29.1	44.0	52.1	63.3	52.0
USG 5002T	68.3	69.9	50.5	56.1	53.8	64.7	60.6
USG 540nRR	56.9	63.8	41.1	49.2	56.6	68.1	56.0
USG 7514nRR	58.8	59.9	51.4	51.9	54.1	56.1	55.4
USG 7553nRS	57.8	62.4	45.5	40.8	56.2	47.3	51.7
Willcross RR2542N	54.1	57.7	44.3	42.5	52.6	53.7	50.8
Grand mean	58.5	64.1	44.2	45.6	53.7	62.4	54.8
LSD (5%)	5.0	4.9	5.6	8.6	6.4	8.8	*
C.V. (%)	5.3	4.8	7.9	11.8	7.4	8.8	*
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>							
Anand	63.5	63.1	51.3	*	39.7	61.3	55.8
Armor 56-J6	59.6	68.1	49.0	*	46.5	67.1	58.1
Armor 58-V8	63.1	69.8	49.9	*	52.9	72.2	61.6
ASGROW AG5605	61.6	65.4	44.9	*	46.8	59.3	55.6
ASGROW AG5903	64.3	66.1	48.4	*	53.1	65.5	59.5
ASGROW AG5905	60.1	62.1	40.6	*	50.6	65.6	55.8
Caviness	60.6	70.6	41.7	*	49.0	52.6	54.9
Croplan RC5972	55.9	*	*	*	*	67.0	*
DEKALB DKB57-51	66.9	70.3	52.0	*	55.3	64.7	61.8
DEKALB DKB58-51	55.2	65.5	46.5	*	50.2	68.0	57.1
Delta Grow 5610RR	59.6	68.9	42.5	*	50.8	63.9	57.1
Delta Grow 5630RR	57.9	63.9	41.1	*	42.2	59.6	52.9
Delta Grow 5650RR	58.2	69.4	46.3	*	50.4	69.6	58.8
Delta Grow 5960RR	61.7	61.9	40.7	*	50.7	68.2	56.6
Delta King 5668RR	62.0	68.4	40.8	*	46.5	67.8	57.1
Delta King 5767RR	59.8	68.4	44.0	*	51.9	58.3	56.5
Delta King 5870	58.5	70.3	48.4	*	53.9	77.3	61.7
Delta King 5967RR	59.6	69.5	42.4	*	46.4	72.1	58.0
Delta King 5995	60.4	67.8	39.9	*	49.4	63.5	56.2
Delta King XTJ506	61.6	68.8	41.7	*	50.2	68.5	58.2
Delta King XTJ5K57	56.9	65.1	44.9	*	49.4	72.6	57.8
Deltapine 114605RR	60.4	66.9	47.6	*	46.9	71.2	58.6
Deltapine 5634RR	54.1	59.2	47.0	*	43.2	68.0	54.3
Deltapine 5806RR	52.0	65.0	39.9	*	51.7	71.9	56.1
Deltapine 5915RR	62.1	66.6	47.6	*	49.7	61.9	57.6
Deltapine X5808RR	58.7	67.6	45.8	*	49.0	60.5	56.3
Dyna Gro 3562NRR	59.8	69.0	41.0	*	46.6	73.1	57.9

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹, Continued.

Brand/Hybrid	Keiser ²	Keiser	Mar. ³	Mar. ⁴	Stuttgart ⁵	Rohwer	Avg.
	Irr.	Non.	Irr.	Non.	Irr.	Irr.	
-----bu/A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
Dyna Gro 3583NRR	61.0	69.7	47.9	*	46.8	60.4	57.2
Dyna Gro 38K57	61.2	71.9	49.6	*	50.2	66.8	59.9
Dyna Gro DGX530	60.6	71.4	49.0	*	57.1	76.5	62.9
Dyna Gro SX04259	58.1	67.0	48.4	*	52.7	73.6	60.0
Dyna Gro SX04358	54.6	59.9	42.3	*	48.4	63.8	53.8
Dyna Gro SX04557	66.4	67.7	53.9	*	44.8	51.5	56.9
ESXVT-34RR	48.8	51.3	31.2	*	45.0	65.4	48.3
ESXVT-41RR	50.0	64.0	39.3	*	48.5	62.8	52.9
ESXVT-46RR	52.9	56.2	34.1	*	47.3	67.0	51.5
FFR 5663RR	64.0	70.7	48.1	*	46.2	64.9	58.8
Freedom	62.1	68.6	29.7	*	53.1	77.2	58.1
Garst 5812RR/N	55.2	63.6	42.6	*	48.3	59.2	53.8
Garst 5924RR/N	64.8	67.5	41.7	*	52.1	66.6	58.5
Garst XRS56N20	62.3	*	*	*	*	61.1	*
HBK C5894	63.2	72.1	48.0	*	53.6	72.4	61.9
HBK R5620	58.9	65.1	45.6	*	45.4	67.7	56.5
HBK R5624	54.8	64.3	41.1	*	48.1	60.3	53.7
HBK R5924	62.8	68.8	45.2	*	50.5	69.7	59.4
Morsoy RT5620	63.6	68.1	42.9	*	47.2	76.2	59.6
Morsoy RT5773	58.2	72.2	41.7	*	51.1	72.3	59.1
Morsoy RT5903	62.3	67.5	48.7	*	49.1	62.2	58.0
NK Brand S56-D7	57.0	67.4	45.5	*	51.1	66.2	57.4
NK Brand S57-P1	61.5	68.1	35.2	*	49.3	55.7	54.0
PGY 5622RR	61.2	67.0	45.5	*	49.2	70.0	58.6
PGY 5714RR	53.8	59.4	45.6	*	48.8	67.9	55.1
PGY 5770	61.7	73.8	51.1	*	52.0	68.7	61.5
Pioneer 95B96	58.0	62.1	40.5	*	49.5	60.4	54.1
Pioneer 95M80	58.6	63.4	41.0	*	47.7	62.6	54.7
Progeny 5660RR	55.0	68.1	46.1	*	44.8	67.5	56.3
Progeny 5703RR	59.4	70.0	47.0	*	52.5	60.2	57.8
Progeny 5822RR	58.5	68.3	46.1	*	53.9	65.1	58.4
R97-1634	63.9	63.6	45.2	*	49.9	69.4	58.4
RJ97-555	61.8	*	*	*	*	69.5	*
Southern States RT5602N	63.7	63.8	45.5	*	46.9	48.4	53.7
Southern States RT5702N	55.3	60.1	42.6	*	46.7	60.7	53.1
Southern States RT5730N	64.0	69.4	47.0	*	51.5	54.9	57.4
Southern States RT5999N	54.0	61.2	46.4	*	45.5	54.1	52.2
Terral TV56R11	60.6	66.3	40.2	*	45.6	59.9	54.5
Terral TV56R12	55.8	60.4	39.4	*	46.7	64.2	53.3
Terral TV57R14	61.1	70.6	49.6	*	55.0	69.3	61.1
Terral TV58R12	55.2	59.6	33.8	*	50.2	63.8	52.5
Terral TV59R14	63.0	68.4	52.8	*	49.4	63.8	59.5

Table 2. Yields (bu./A) of Maturity Groups IV and V Soybean Cultivars at All Locations, 2004¹, Continued.

Brand/Hybrid	Keiser ² Irr.	Keiser Non.	Mar. ³ Irr.	Mar. ⁴ Non.	Stuttgart ⁵ Irr.	Rohwer Irr.	Avg.
-----bu/A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
Terral TVX56R405	61.2	66.3	44.9	*	48.5	67.8	57.7
Terral TVX57R408	66.6	69.6	50.8	*	49.7	61.3	59.6
USG 5601T	65.4	72.1	46.4	*	51.1	57.4	58.5
USG 7562nRR	60.7	68.9	40.8	*	52.5	66.1	57.8
USG 7582nRR	59.7	63.6	52.5	*	48.0	66.6	58.1
Grand mean	59.7	66.4	44.5	*	49.2	65.3	57.0
LSD (5%)	6.5	5.1	8.0	*	5.2	10.0	*
C.V. (%)	6.8	4.8	11.3	*	6.6	9.5	*

¹ Keiser Irr. = Northeast Research and Extension Center.
 Keiser Nonirr. = Northeast Research and Extension Center.
 Marianna Irr. = Cotton Branch Station.
 Marianna Nonirr. = Cotton Branch Station.
 Stuttgart Irr. = Rice Research and Extension Center.
 Rohwer Irr. = Southeast Research and Extension Center - Rohwer Division.

² The early maturing group 4 cultivars (RM 4.7 or less) at this location were planted on May 12. Because of wet weather, all remaining group 4 cultivars and all group 5 cultivars were planted on May 21.

³ Shattering and especially lodging reduced yields at this location.

⁴ The "Late" MG 5 Nonirrigated test will not be reported due to poor uniformity.

⁵ The Maturity Group V tests at this location were first planted on May 24, but an error during planting caused the tests to be unusable. These results are from replanting on June 10.

⁶ Delsoy 5500 was planted but did not emerge. This test is not included in the multi-location average for this variety.

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
Garst 4612RR/N	78.7	76.0	.	9-19	2.0	1.0	37
Pioneer 94B73	77.3	77.4	78.7	9-18	1.0	1.0	41
DEKALB DKB46-51	77.1	75.3	.	9-21	1.0	1.0	36
Deltapine 4724RR	76.8	74.0	.	9-20	1.0	1.0	37
Pioneer 94M70	76.5	72.8	.	9-18	2.0	1.0	37
USG 7434nRR	76.2	.	.	9-18	1.0	1.0	32
Delta King 4461RR	75.8	71.6	72.8	9-17	1.0	1.0	40
Golden Harvest H-4749RR	74.1	.	.	9-18	1.0	1.0	37
Morsoy RT4480	74.0	69.7	70.9	9-18	1.0	1.0	38
AV 46J5NRR	73.7	.	.	9-17	1.0	1.0	31
Armor 47-G7	73.5	72.9	74.6	9-23	2.0	1.0	38
DEKALB DKB44-51	73.4	71.1	.	9-16	1.0	1.0	36
Progeny 4401RR	73.3	70.9	72.5	9-20	1.0	1.0	39
Deltapine 4331RR	73.0	71.0	72.7	9-18	1.0	1.0	34
Delta King 4763RR	72.5	73.3	76.1	9-23	1.0	1.0	37
ASGROW AG4502	72.0	74.1	.	9-15	1.0	1.0	37
Genesis E434NRR	71.9	.	.	9-15	1.0	1.0	28
Delta Grow 4840RR	71.8	.	.	9-19	1.0	1.0	36
USG 7440nRR	71.7	70.0	.	9-18	1.0	1.0	37
ASGROW AG4603	71.6	68.1	71.2	9-19	1.0	1.0	39
Armor 44-R5	71.4	72.0	75.8	9-16	1.0	1.0	29
Delta King XTJ502	71.4	.	.	9-19	1.0	1.0	36
Terral TVX45RN21	71.4	.	.	9-16	2.0	1.0	41
NK Brand S43-B1	71.3	69.3	.	9-16	1.0	1.0	30
ESXT-4711	71.2	.	.	9-19	2.0	1.0	32
ASGROW AG4201	71.1	71.3	73.6	9-14	1.0	1.0	35
MPV 4705nRR	71.1	.	.	9-20	1.0	1.0	31
ASGROW AG4403	70.5	70.2	72.4	9-18	1.0	1.0	34
Deltapine 4546RR	70.4	69.0	.	9-18	1.0	1.0	40
Terral TVX45RL21	70.4	.	.	9-18	2.0	1.0	36
465RC	69.6	.	.	9-13	1.0	1.0	39
ARX B43104	69.6	.	.	9-14	1.0	1.0	32
Delta King XTJ501	69.4	.	.	9-19	1.0	1.0	39
Delta Grow 4630RR	69.2	.	.	9-19	1.0	1.0	39
Dyna Gro 3443NRR	69.0	69.8	72.8	9-20	1.0	1.0	37
Armor 44-R4	68.9	69.0	72.5	9-18	1.0	1.0	33
Delta King XTJ545	68.9	.	.	9-18	2.0	1.0	31
USG 7443nRR	68.5	.	.	9-13	1.0	1.0	32
HBK R4623	68.4	.	.	9-17	2.0	1.0	37
Morsoy RT4304	68.4	.	.	9-15	1.0	1.0	30
Genesis C444RR	68.0	.	.	9-20	1.0	1.0	38
S02-677RR	67.9	.	.	9-20	1.0	1.0	35
Dyna Gro 3463NRR	67.0	64.1	.	9-16	1.0	1.0	33

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>							
Delta King 4161RR	66.9	.	.	9-12	1.0	1.0	33
435RC	66.8	.	.	9-15	1.0	1.0	40
Delta King XTJ546	66.7	.	.	9-18	1.0	1.0	36
PGY 4304RR	66.7	.	.	9-16	1.0	1.0	25
Delta Grow 4340RR	66.3	.	.	9-16	1.0	1.0	30
S02-679RR	66.0	.	.	9-20	2.7	1.0	41
Terral TVX46R401	66.0	.	.	9-19	1.0	1.0	38
PGY 4604RR	65.9	.	.	9-20	1.0	1.0	35
Golden Harvest H-4368RR	65.2	.	.	9-17	1.0	1.0	28
Delta King XTJ540	65.2	.	.	9-15	1.0	1.0	38
Delta King 4661RR	65.1	65.6	.	9-21	2.0	1.0	42
Progeny 4703RR	63.5	.	.	9-23	4.0	1.0	48
Terral TVX45RM21	62.9	.	.	9-14	3.0	1.0	42
Progeny 3900RR	62.5	66.3	.	9-12	1.0	1.0	30
Delta King XTJ543	61.6	.	.	9-17	1.0	1.0	28
HBK R4023	61.1	.	.	9-15	2.0	1.0	36
Armor 39-E9	60.4	.	.	9-12	1.0	1.0	33
Terral TVX44R401	60.3	.	.	9-14	1.0	1.0	33
Grand mean	69.6	.	.	9-17	1.3	1.0	35
LSD (5%)	6.6	.	.	ns	0.1	ns	.
C.V. (%)	5.8	.	.	.	5.8	.	.

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

Dyna Gro 36M49	72.9	73.0	.	9-20	1.0	1.0	36
Delta Grow 4970RR	72.4	.	.	9-26	2.0	1.0	41
Delta King 4868RR	71.2	68.8	70.1	9-21	1.0	1.0	36
Delta King 4967RR	70.4	69.8	.	9-24	2.0	1.0	34
USG 7482nRR	70.4	69.7	.	9-21	1.0	1.0	35
USG 7484nRR	70.2	.	.	9-24	2.0	1.0	32
Dyna Gro 3481NRR	70.1	69.7	.	9-22	1.0	1.0	36
Deltapine X4891RR	69.1	.	.	9-22	1.0	1.0	44
PGY 4804RR	69.1	.	.	9-22	2.0	1.0	36
Morsoy RT4993	68.8	69.3	.	9-21	1.0	1.0	29
DT98-7278	68.3	68.9	73.1	9-23	2.0	1.0	30
Progeny 4949RR	68.2	70.3	.	9-25	1.0	1.0	43
HBK R4724	68.0	.	.	9-25	1.0	1.0	37
Progeny 4910	68.0	68.1	70.4	9-25	2.0	1.0	38
Genesis E484RR	67.6	.	.	9-23	2.0	1.0	33
Delta King 4866RR	66.8	.	.	9-23	1.0	1.0	39
USG 7494nRR	66.8	.	.	9-21	1.0	1.0	35

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
MPV 4905nRR	66.7	.	.	9-22	1.0	1.0	28
Terral TVX48RN27	66.7	.	.	9-23	1.0	1.0	32
DT97-4290	66.6	65.1	.	9-24	1.0	1.0	32
495RC	66.6	.	.	9-25	1.0	1.0	38
HBK R4820	66.5	65.3	68.4	9-23	1.0	1.0	35
Terral TVX48R413	66.5	.	.	9-23	1.0	1.0	35
ASGROW AG4903	66.3	.	.	9-24	1.0	1.0	35
Armor GP 474	65.8	67.7	.	9-23	1.0	1.0	34
Armor GP 499	65.8	.	.	9-22	1.0	1.0	41
MPV 4805nRR	64.9	.	.	9-21	1.0	1.0	33
Terral TVX48RL27	64.8	.	.	9-26	1.0	1.0	41
Genesis D491RR	64.2	.	.	9-20	2.0	1.0	34
Delta Grow 4860RR	64.2	65.5	70.1	9-23	1.0	1.0	33
Garst XR48N20	63.5	.	.	9-18	1.0	1.0	33
Delta King XTJ503	63.3	.	.	9-23	1.0	1.0	34
Garst D484RR/N	63.1	61.3	65.0	9-23	1.0	1.0	42
ASGROW AG4801	62.9	.	.	9-23	1.0	1.0	37
Genesis D484RR	62.9	.	.	9-23	1.7	1.0	40
DT99-17445	62.6	63.8	.	9-26	1.0	1.0	31
R98-1817	62.3	60.1	66.0	9-25	1.0	1.0	31
S00-9925-10	62.3	.	.	9-21	1.0	1.0	38
Garst 5012RR/N	61.5	64.2	.	9-26	1.0	1.0	33
Garst 4999RR/N	61.5	.	.	9-25	2.0	1.0	42
Southern States RT4980	61.0	61.3	63.6	9-20	1.0	1.0	32
Delta Grow 4960RR	61.0	64.3	.	9-26	1.0	1.0	33
Deltapine 4933RR	61.0	58.1	62.7	9-23	1.0	1.0	42
ASGROW AG4902	60.9	64.1	69.3	9-23	1.0	1.0	37
Terral TVX48RM27	60.8	.	.	9-25	1.0	1.0	34
NK Brand S49-Q9	60.6	63.6	.	9-24	1.0	1.0	39
Dyna Gro SX04349	60.6	.	.	9-23	1.0	1.0	39
Progeny 4860RR	60.4	63.8	.	9-25	1.0	1.0	37
AV 49J7NRR	60.3	.	.	9-20	1.0	1.0	34
Delta King 4862RR	60.1	61.3	.	9-23	2.0	1.0	32
Armor 49-T3	60.1	.	.	9-24	1.0	1.0	35
Delta King XTJ54J9	59.9	.	.	9-23	1.0	1.0	39
RJ97-500	59.8	.	.	9-28	2.0	1.0	26
HBK R4924	59.4	.	.	9-25	2.0	1.0	43
FFR 4922RR	59.4	57.4	.	9-23	1.0	1.0	40
Southern States RT4902N	59.3	57.5	61.0	9-23	2.0	1.0	45
Southern States RT5001N	59.1	57.0	61.3	9-28	1.0	1.0	36
Pioneer 94M90	59.0	.	.	9-22	1.0	1.0	38
Delta King XTJ549	59.0	.	.	9-24	2.0	1.0	37
S02-683RR	58.9	.	.	9-26	1.0	1.0	38

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
Manokin	58.8	58.9	58.1	9-23	1.0	1.0	25
Dyna Gro 3484NRR	58.7	.	.	9-23	1.0	1.0	38
Southern States RT5130N	58.6	.	.	9-25	1.0	1.0	31
Terral TVX49R302	58.6	.	.	9-22	2.0	1.0	36
DT98-9102	58.0	60.3	66.6	9-24	1.0	1.0	33
Terral TV49R12	57.7	59.9	.	9-24	1.0	1.0	37
USG 7499nRR	57.4	60.3	64.0	9-24	1.0	1.0	40
Delta King XTJ54X9	56.1	.	.	9-20	1.0	1.0	38
ESXVT-17RR	56.1	.	.	9-27	3.0	1.0	42
Southern States RT517N	55.8	57.4	61.6	9-23	1.0	1.0	35
HBK R4945CX	55.4	.	.	9-21	1.0	1.0	42
Grand mean	63.3	.	.	9-23	1.2	1.0	36
LSD (5%)	6.3	.	.	ns	0.1	ns	.
C.V. (%)	6.2	.	.	.	5.5	.	.
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
USG 5002T	68.3	69.6	.	9-28	1.0	1.0	29
Golden Harvest H-5053RR	66.8	.	.	9-23	1.0	1.0	33
Delta King 55T6	66.3	67.9	.	10-01	2.0	1.0	36
ASGROW A5427	66.0	69.1	.	9-30	1.0	1.0	22
ARX E57104	65.4	.	.	9-30	1.0	1.0	28
DB00-087	63.7	.	.	9-30	2.0	1.0	34
Ozark	63.3	67.3	69.5	9-29	1.0	1.0	32
Progeny 5250RR	63.3	64.1	68.6	9-30	1.0	1.0	30
NK Brand S50-N3	63.1	62.5	.	10-01	1.0	1.0	47
HBK R5324	62.5	.	.	9-28	1.0	1.0	27
Delta King 5567RR	61.8	.	.	9-29	1.0	1.0	35
ARX D52104	61.7	.	.	9-24	1.0	1.0	26
S00-9970-09	61.7	.	.	9-29	1.0	1.0	34
AV50J6NRR	61.5	.	.	9-29	1.0	1.0	33
Terral TVX52R301	61.5	.	.	9-28	1.0	1.0	34
Genesis D524RR	60.8	.	.	10-01	1.0	1.0	29
Delta King XTJ504	60.3	.	.	10-01	1.0	1.0	29
Teejay	60.3	62.0	.	9-29	1.0	1.0	30
Garst 5225RR	60.3	.	.	9-27	1.0	1.0	30
Delta King XTJ505	60.2	.	.	10-01	1.0	1.0	34
DB00-155	60.1	.	.	10-01	2.0	1.0	33
HBK R5424S	60.0	.	.	9-26	1.0	1.0	29
HBK R5224	60.0	.	.	9-30	1.0	1.0	35
S00-9970-08	59.9	.	.	9-28	1.0	1.0	39
ASGROW AG5501	59.8	64.3	69.3	9-29	1.0	1.0	35

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Dyna Gro 33B52	59.7	64.0	.	10-01	1.0	1.0	33
Delta King 5161RR	59.5	63.5	.	9-29	1.0	1.0	35
545 RCP	59.4	.	.	9-30	1.0	1.0	26
HBK R5524	59.3	.	.	10-01	1.0	1.0	39
FFR 5033RR	59.3	.	.	9-30	1.0	1.0	32
Pioneer 95B42	59.2	61.1	65.0	9-30	2.0	1.0	34
ASGROW AG5301	59.2	61.5	65.0	9-29	1.0	1.0	31
Terral TVX55RL23	59.0	.	.	10-02	3.0	1.0	39
NK Brand S52-U3	58.9	59.8	64.3	9-28	1.0	1.0	30
S02-611RR	58.8	.	.	9-29	1.0	1.0	35
USG 7514nRR	58.8	.	.	9-30	1.0	1.0	29
Pioneer 95B43	58.7	58.7	63.3	9-28	1.0	1.0	34
Morsoy RT5252	58.7	62.5	67.3	9-29	1.0	1.0	28
Terral TVX55RN23	58.5	.	.	10-02	3.0	1.0	32
Armor 54-03	58.4	.	.	9-29	1.0	1.0	34
DB00-141	58.3	.	.	9-30	1.0	1.0	36
Deltapine 5414RR	58.2	60.3	64.6	9-30	3.0	1.0	38
PGY 5404RR	58.2	.	.	9-30	1.0	1.0	30
Delta King XTJ554	58.1	.	.	9-27	1.0	1.0	30
Morsoy RT5204	58.1	.	.	9-27	1.0	1.0	33
Delta Grow 5555RR	57.9	.	.	10-02	1.0	1.0	38
USG 7553nRS	57.8	63.6	.	9-30	1.0	1.0	33
Pioneer 95B32	57.6	60.7	65.1	9-28	1.0	1.0	29
DEKALB DKB54-52	57.5	.	.	9-29	1.0	1.0	37
Golden Harvest H-5492RR	57.4	58.6	61.7	10-02	1.0	1.0	36
Armor 53-K3	57.3	59.0	61.7	10-01	1.0	1.0	27
ARX E54104	57.2	.	.	9-28	1.0	1.0	30
Garst 5212RR/N	57.0	62.4	.	9-30	1.0	1.0	35
Southern States RT5540N	56.9	.	.	9-28	1.0	1.0	38
FFR 5225RR	56.9	60.8	65.8	9-30	1.0	1.0	37
USG 540nRR	56.9	58.6	63.8	9-29	1.0	1.0	35
MPV 5505NRR	56.8	.	.	9-30	1.0	1.0	39
Delta Grow 5460RR	56.7	62.7	.	9-30	1.0	1.0	32
AV52T2NRR	56.7	.	.	9-30	1.0	1.0	40
HBK R5422	56.5	61.2	64.4	9-27	1.0	1.0	37
Delta King 5366RR	56.4	62.1	66.9	10-01	2.0	1.0	36
Dyna Gro 3535NRR	56.2	61.1	66.0	10-02	2.0	1.0	39
ESXT-5450	56.2	.	.	9-30	1.0	1.0	28
Armor GP 513	55.6	63.7	.	9-29	1.0	1.0	29
HBK R5123	55.4	58.9	.	10-01	4.0	1.0	48
Delta King XTJ55J5	55.4	.	.	10-02	2.0	1.0	40
Delsoy 5500	55.1	55.2	59.1	9-29	1.0	1.0	38
Southern States RT5302N	54.8	61.3	.	9-30	1.0	1.0	27
Delta Grow 5260RR	54.8	59.0	.	9-30	1.0	1.0	39

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Terral TVX55R403	54.4	.	.	9-30	1.0	1.0	36
Willcross RR2542N	54.1	.	.	9-29	1.0	1.0	31
Croplan RC5555	54.1	57.8	.	9-27	1.0	1.0	42
Southern States RT557N	54.0	55.6	58.2	9-29	1.0	1.0	38
ESXVT-19RR	54.0	57.5	.	10-03	1.0	1.0	39
Hutcheson	53.8	57.9	62.0	10-01	1.0	1.0	36
Terral TVX55RM23	53.5	.	.	10-02	3.0	1.0	45
Armor GP 530	52.8	.	.	10-01	3.0	1.0	39
Progeny 5503RR	52.6	60.3	.	9-30	1.0	1.0	32
MPV 5504NRR	51.9	54.3	.	10-02	1.0	1.0	37
Morsoy RT5553	50.2	57.2	.	9-30	1.0	1.0	39
Grand mean	58.5	.	.	9-30	1.3	1.0	34
LSD (5%)	5.0	.	.	ns	ns	ns	.
C.V. (%)	5.3	.	.	.	.	.	.
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>							
DEKALB DKB57-51	66.9	67.4	.	9-30	2.0	1.0	36
Terral TVX57R408	66.6	.	.	10-01	1.0	1.0	31
Dyna Gro SX04557	66.4	.	.	9-30	1.0	1.0	31
USG 5601T	65.4	69.9	71.9	9-30	1.0	1.0	32
Garst 5924RR/N	64.8	.	.	10-06	1.0	1.0	34
ASGROW AG5903	64.3	66.7	71.1	10-03	2.0	1.0	32
Southern States RT5730N	64.0	.	.	9-29	1.0	1.0	32
FFR 5663RR	64.0	.	.	9-29	1.0	1.0	27
R97-1634	63.9	67.7	.	10-03	1.0	1.0	34
Southern States RT5602N	63.7	64.7	.	9-30	1.0	1.0	29
Morsoy RT5620	63.6	62.9	67.5	10-02	1.0	1.0	38
Anand	63.5	68.1	71.4	9-28	1.0	1.0	30
HBK C5894	63.2	.	.	10-04	3.0	1.0	37
Armor 58-V8	63.1	64.8	.	10-03	1.0	1.0	41
Terral TV59R14	63.0	67.2	.	10-04	1.0	1.0	35
HBK R5924	62.8	.	.	10-04	3.0	1.0	37
Morsoy RT5903	62.3	65.5	.	10-03	1.0	1.0	42
Garst XRS56N20	62.3	.	.	10-01	1.0	1.0	33
Deltapine 5915RR	62.1	65.0	69.9	10-07	1.0	1.0	41
Freedom	62.1	60.9	.	10-01	1.0	1.0	37
Delta King 5668RR	62.0	62.3	68.3	10-02	2.0	1.0	35
RJ97-555	61.8	.	.	10-03	2.0	1.0	34
Delta Grow 5960RR	61.7	64.7	68.1	10-03	1.0	1.0	31
PGY 5770	61.7	.	.	10-02	2.0	1.0	33
ASGROW AG5605	61.6	65.4	.	10-02	1.0	1.0	35

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
Delta King XTJ506	61.6	.	.	10-06	1.0	1.0	39
NK Brand S57-P1	61.5	62.1	.	10-01	1.0	1.0	35
Dyna Gro 38K57	61.2	64.1	.	10-02	2.0	1.0	41
PGY 5622RR	61.2	.	.	10-05	1.0	1.0	38
Terral TVX56R405	61.2	.	.	10-01	2.0	1.0	34
Terral TV57R14	61.1	63.2	.	10-02	2.0	1.0	35
Dyna Gro 3583NRR	61.0	64.8	69.9	10-03	2.0	1.0	37
USG 7562nRR	60.7	64.1	.	10-03	2.0	1.0	39
Dyna Gro DGX530	60.6	.	.	10-03	3.0	1.0	36
Caviness	60.6	57.1	62.3	9-29	1.0	1.0	36
Terral TV56R11	60.6	60.9	66.5	10-05	1.0	1.0	38
Deltapine 114605RR	60.4	.	.	10-03	1.0	1.0	30
Delta King 5995	60.4	62.7	67.2	10-02	2.0	1.0	38
ASGROW AG5905	60.1	.	.	10-01	1.0	1.0	41
Dyna Gro 3562NRR	59.8	60.9	66.5	9-28	2.0	1.0	29
Delta King 5767RR	59.8	63.9	68.9	10-02	3.0	1.0	39
USG 7582nRR	59.7	63.4	66.3	10-03	1.0	1.0	39
Armor 56-J6	59.6	63.1	68.0	10-04	2.0	1.0	36
Delta King 5967RR	59.6	64.5	.	10-06	1.0	1.0	37
Delta Grow 5610RR	59.6	.	.	9-28	1.0	1.0	29
Progeny 5703RR	59.4	57.7	.	10-03	2.0	1.0	40
HBK R5620	58.9	63.0	67.3	10-02	2.0	1.0	38
Deltapine X5808RR	58.7	.	.	10-03	3.0	1.0	36
Pioneer 95M80	58.6	.	.	10-01	1.0	1.0	27
Delta King 5870	58.5	.	.	10-02	3.0	1.0	39
Progeny 5822RR	58.5	63.8	70.8	10-06	1.0	1.0	34
Delta Grow 5650RR	58.2	64.8	.	10-03	1.0	1.0	33
Morsoy RT5773	58.2	62.2	.	10-02	1.0	1.0	36
Dyna Gro SX04259	58.1	.	.	10-02	1.0	1.0	37
Pioneer 95B96	58.0	62.0	64.2	10-03	2.0	1.0	35
Delta Grow 5630RR	57.9	61.9	66.4	10-03	1.0	1.0	39
NK Brand S56-D7	57.0	.	.	10-01	3.0	1.0	32
Delta King XTJ5K57	56.9	.	.	10-01	1.0	1.0	36
Croplan RC5972	55.9	62.4	69.4	10-04	1.0	1.0	37
Terral TV56R12	55.8	58.1	.	10-01	2.0	1.0	40
Southern States RT5702N	55.3	56.6	61.9	10-01	1.0	1.0	47
DEKALB DKB58-51	55.2	.	.	10-01	1.0	1.0	35
Garst 5812RR/N	55.2	55.3	.	10-03	1.0	1.0	44
Terral TV58R12	55.2	57.4	.	10-04	2.0	1.0	41
Progeny 5660RR	55.0	60.5	66.1	10-01	1.0	1.0	41
HBK R5624	54.8	.	.	9-30	1.0	1.0	28
Dyna Gro SX04358	54.6	.	.	10-03	2.0	1.0	35
Deltapine 5634RR	54.1	58.4	.	10-01	2.0	1.0	37
Southern States RT5999N	54.0	56.9	59.8	10-05	1.0	1.0	40

Table 3. Performance of Irrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
	-----bu./A -----						
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
PGY 5714RR	53.8	.	.	10-03	2.0	1.0	42
ESXVT-46RR	52.9	53.7	.	10-05	1.0	1.0	42
Deltapine 5806RR	52.0	57.4	62.4	10-06	3.0	1.0	40
ESXVT-41RR	50.0	54.4	.	10-08	3.0	1.0	39
ESXVT-34RR	48.8	.	.	10-16	3.0	1.0	41
Grand mean	59.7	.	.	10-03	1.6	1.0	36
LSD (5%)	6.5	.	.	ns	ns	ns	.
C.V. (%)	6.8	.	.	.	.	.	.

² The early maturing group 4 cultivars (RM 4.7 or less) at this location were planted on May 12. Because of wet weather, all remaining group 4 cultivars and all group 5 cultivars were planted on May 21.

² Average yield for 2003 and 2004.

³ Average yield for 2002, 2003 and 2004.

Soil Series..... Sharkey clay
 Previous Crop..... Grain sorghum
 Row Width..... 38"
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Dates..... MG4 Early: 5-12-04, MG4 Late and MG5 early and late 5-21-04
 Herbicide Application..... 1.25pts/A Flexstar, 10oz/A Select, 6-8-04; 1.25pts/A Flexstar, 10oz./A Select, 6-28-04
 Irrigation Dates..... 8-2-04; 8-12-04
 End Trimming..... None
 Harvest Dates..... MG4 Early: 9-24-04
 MG4 Late: 9-29-04
 MG5 Early: 10-5-04
 MG5 Late: 10-8-04

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2004	6.3	6.5	2.6	7.2	3.4	.04	3.7	29.7
Average	5.0	5.2	4.0	3.7	2.9	3.9	3.0	27.7
Departure	+1.3	+1.3	-1.4	+3.5	+0.5	-3.9	+0.7	+2

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
USG 7434nRR	71.9	.	.	9-11	1.0	1.0	35
Armor 47-G7	71.8	57.0	56.8	9-13	1.0	1.0	36
Deltapine 4724RR	70.9	56.3	.	9-15	1.0	1.0	48
Dyna Gro 3443NRR	70.1	55.6	55.1	9-14	1.0	1.0	33
Delta King XTJ501	69.5	.	.	9-11	1.0	1.0	35
ASGROW AG4603	68.4	54.2	53.6	9-12	1.0	1.0	36
Delta King XTJ545	67.4	.	.	9-12	1.0	2.0	34
PGY 4604RR	67.3	.	.	9-15	1.0	1.0	30
Progeny 4401RR	67.0	55.3	54.1	9-12	1.0	1.0	42
Armor 44-R4	66.8	51.4	51.1	9-10	1.0	1.0	36
Pioneer 94B73	66.5	56.3	57.2	9-13	1.0	1.0	36
Delta Grow 4840RR	66.4	.	.	9-10	1.0	1.0	43
HBK R4023	66.3	.	.	9-10	1.0	1.0	41
Golden Harvest H-4749RR	66.3	.	.	9-10	1.0	1.0	37
Delta King XTJ502	66.1	.	.	9-11	1.0	1.0	36
Morsoy RT4480	66.1	51.8	50.3	9-15	1.0	1.0	36
Deltapine 4331RR	65.8	50.4	.	9-10	1.0	1.0	38
Terral TVX45RM21	65.6	.	.	9-09	1.0	1.0	39
ASGROW AG4201	65.4	50.9	49.6	9-11	1.0	1.0	31
Pioneer 94M70	64.9	50.4	.	9-11	1.0	1.0	36
MPV 4705nRR	63.2	.	.	9-15	1.0	1.0	36
ASGROW AG4502	63.1	52.7	.	9-13	1.0	1.0	35
Delta King 4461RR	63.1	52.5	51.8	9-15	1.0	2.0	36
Genesis C444RR	62.9	.	.	9-12	1.0	1.0	40
Delta Grow 4630RR	62.9	.	.	9-12	1.0	1.0	35
DEKALB DKB46-51	62.6	51.9	.	9-15	1.0	1.0	30
465RC	62.3	.	.	9-12	1.0	1.0	34
Delta King XTJ546	62.2	.	.	9-15	1.0	1.0	38
Terral TVX46R401	61.7	.	.	9-15	1.0	1.0	40
Delta King 4763RR	61.5	50.1	52.0	9-15	1.0	1.0	35
Progeny 4703RR	61.5	.	.	9-22	1.0	1.0	41
Terral TVX45RN21	61.4	.	.	9-10	1.0	1.0	33
Deltapine 4546RR	60.9	51.3	.	9-19	1.0	1.0	40
USG 7440nRR	60.3	52.3	.	9-15	1.0	1.0	35
S02-679RR	60.2	.	.	9-15	1.0	1.0	32
ASGROW AG4403	60.1	53.3	52.3	9-11	1.0	1.0	30
DEKALB DKB44-51	60.0	46.7	.	9-12	1.0	1.0	40
Armor 44-R5	59.9	49.7	.	9-07	1.0	1.0	28
435RC	59.2	.	.	9-11	1.0	1.0	38
NK Brand S43-B1	59.0	50.1	.	9-10	1.0	1.0	30
Delta King XTJ540	58.6	.	.	9-08	1.0	1.0	42
S02-677RR	58.4	.	.	9-20	1.0	1.0	42
AV 46J5NRR	58.4	.	.	9-11	1.0	1.0	32

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>							
HBK R4623	58.1	.	.	9-13	3.0	1.0	36
Dyna Gro 3463NRR	57.4	44.9	.	9-13	1.0	1.0	40
USG 7443nRR	57.3	.	.	9-09	1.0	1.0	29
Progeny 3900RR	57.1	47.3	.	9-03	1.0	1.0	28
Delta King 4161RR	56.9	.	.	9-07	1.0	1.0	29
Terral TVX45RL21	56.6	.	.	9-13	1.0	1.0	38
Delta Grow 4340RR	55.1	.	.	9-07	1.0	1.0	40
Terral TVX44R401	54.9	.	.	9-10	1.0	1.0	35
Golden Harvest H-4368RR	53.8	.	.	9-08	1.0	1.0	29
Delta King 4661RR	53.5	48.9	.	9-11	1.0	1.0	43
Morsoy RT4304	53.5	.	.	9-06	1.0	1.0	24
Armor 39-E9	52.3	.	.	8-30	1.0	1.0	38
Delta King XTJ543	52.0	.	.	9-06	1.0	1.0	25
Genesis E434NRR	45.9	.	.	9-08	1.0	1.0	29
PGY 4304RR	45.5	.	.	9-09	1.0	1.0	27
Grand mean	61.4	.	.	9-12	1.0	1.0	35
LSD (5%)	10.9	.	.	1	ns	ns	.
C.V. (%)	10.8	.	.	1	.	.	.
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
495RC	77.9	.	.	9-15	3.0	1.0	42
Delta Grow 4970RR	73.5	.	.	9-22	2.0	1.0	43
Delta King 4967RR	71.4	55.1	.	9-14	2.0	1.0	38
Delta Grow 4860RR	70.9	55.5	50.8	9-14	2.0	1.0	37
Progeny 4949RR	70.8	60.6	.	9-18	1.0	1.0	46
Terral TVX48RM27	70.8	.	.	9-21	1.0	1.0	40
Terral TVX48RN27	70.7	.	.	9-19	1.0	1.0	27
ASGROW AG4903	70.5	.	.	9-16	3.0	1.0	37
Genesis D484RR	70.4	.	.	9-14	2.0	1.0	36
HBK R4724	70.3	.	.	9-17	2.0	1.0	38
Delta King 4866RR	70.1	.	.	9-15	1.0	1.0	38
Dyna Gro 3481NRR	69.9	55.4	.	9-15	2.0	1.0	38
USG 7482nRR	69.2	56.6	.	9-15	1.0	1.0	36
Delta King XTJ503	68.2	.	.	9-16	2.0	1.0	36
MPV 4805nRR	68.0	.	.	9-13	2.0	1.0	34
Terral TVX48RL27	67.8	.	.	9-16	1.0	1.0	43
Garst 5012RR/N	67.4	.	.	9-20	1.0	1.0	29
HBK R4820	66.8	52.8	49.0	9-11	2.0	1.0	37
AV 49J7NRR	66.8	.	.	9-13	1.0	1.0	33
NK Brand S49-Q9	66.2	55.7	.	9-17	1.0	1.0	40
Delta Grow 4960RR	66.2	57.4	.	9-20	1.0	1.0	28

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Armor GP 474	66.1	53.4	.	9-11	1.0	1.0	35
Progeny 4860RR	66.0	58.8	.	9-19	1.0	1.0	30
Delta King 4868RR	65.6	52.3	48.6	9-13	1.0	1.0	36
MPV 4905nRR	65.6	.	.	9-14	2.0	1.0	34
ASGROW AG4801	65.4	.	.	9-11	1.0	1.0	34
Delta King XTJ549	64.8	.	.	9-16	1.0	1.0	40
DT98-7278	64.8	.	.	9-18	1.0	1.0	25
Progeny 4910	64.7	55.4	53.3	9-17	2.0	1.0	42
Southern States RT5130N	64.6	.	.	9-18	1.0	1.0	29
Genesis E484RR	64.5	.	.	9-15	2.0	1.0	34
Pioneer 94M90	64.3	.	.	9-15	1.0	1.0	36
PGY 4804RR	64.2	.	.	9-15	2.0	1.0	35
USG 7484nRR	64.0	.	.	9-13	2.0	1.0	34
USG 7494nRR	64.0	.	.	9-11	1.0	1.0	34
DT97-4290	64.0	50.7	.	9-15	1.0	1.0	39
Dyna Gro 36M49	63.9	55.9	.	9-12	2.0	1.0	35
Genesis D491RR	63.7	.	.	9-11	3.0	1.0	35
FFR 4922RR	63.6	50.1	.	9-16	2.0	1.0	45
DT99-17445	63.6	.	.	9-23	1.0	1.0	21
R98-1817	62.3	60.8	56.9	9-22	1.0	1.0	23
ASGROW AG4902	61.9	51.9	50.0	9-13	1.0	1.0	35
USG 7499nRR	61.9	52.4	49.8	9-15	1.0	1.0	44
Deltapine X4891RR	61.9	.	.	9-11	1.0	1.0	33
ESXVT-17RR	61.7	.	.	9-24	2.0	1.0	47
Southern States RT517N	61.0	53.6	52.5	9-23	1.0	1.0	29
Deltapine 4933RR	61.0	52.4	.	9-16	2.0	1.0	42
Southern States RT4902N	60.9	50.3	49.5	9-18	1.0	1.0	49
HBK R4924	60.8	.	.	9-16	2.0	1.0	42
Dyna Gro 3484NRR	60.8	.	.	9-14	2.0	1.0	37
Morsoy RT4993	60.6	51.0	.	9-15	1.0	1.0	33
Southern States RT5001N	60.5	53.5	50.3	9-18	1.0	1.0	35
Delta King XTJ54J9	60.3	.	.	9-15	1.0	1.0	37
Manokin	60.2	54.7	53.2	9-20	1.0	1.0	22
S02-683RR	60.1	.	.	9-22	2.0	2.0	46
DT98-9102	60.1	53.3	.	9-18	1.0	1.0	34
Dyna Gro SX04349	59.6	.	.	9-15	1.0	1.0	42
Delta King 4862RR	59.5	54.6	.	9-15	2.0	1.0	43
Terral TVX49R302	59.5	.	.	9-16	1.0	1.0	38

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Terral TVX48R413	59.2	.	.	9-15	3.0	1.0	35
Southern States RT4980	59.1	49.4	47.8	9-14	1.0	1.0	41
Delta King XTJ54X9	55.4	.	.	9-11	2.0	1.0	40
Terral TV49R12	54.6	49.2	.	9-15	2.0	1.0	44
HBK R4945CX	52.7	.	.	9-13	1.0	1.0	39
Grand mean	64.5	.	.	9-16	1.5	1.0	37
LSD (5%)	5.4	.	.	ns	ns	ns	.
C.V. (%)	5.3	.	.	.	.	.	.
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
FFR 5033RR	72.2	.	.	9-18	1.0	1.0	27
DB00-087	72.2	.	.	9-28	3.0	1.0	29
DB00-141	71.7	.	.	9-28	1.0	1.0	31
Pioneer 95B42	71.2	59.8	56.4	9-22	2.0	1.0	34
USG 5002T	69.9	62.6	.	9-20	1.0	1.0	22
AV50J6NRR	69.5	.	.	9-22	1.0	1.0	27
Delta King 55T6	68.9	59.3	.	9-30	1.0	1.0	30
Delta King 5567RR	68.9	.	.	9-27	1.0	1.0	26
Teejay	68.9	60.6	.	9-23	1.0	1.0	25
Terral TVX55RL23	68.3	.	.	9-28	2.0	1.0	35
Golden Harvest H-5053RR	67.3	.	.	9-12	2.0	1.0	32
NK Brand S50-N3	67.2	58.6	.	9-23	2.0	1.0	40
DB00-155	66.4	.	.	9-23	2.0	1.0	27
Delta King XTJ504	66.3	.	.	9-23	1.0	1.0	29
Delta Grow 5555RR	66.3	.	.	9-27	2.0	1.0	36
Pioneer 95B32	66.2	58.2	56.6	9-23	1.0	1.0	27
HBK R5524	66.1	.	.	9-26	2.0	1.0	34
HBK R5424S	65.6	.	.	9-23	1.0	1.0	29
Delta Grow 5260RR	65.5	55.1	.	9-23	1.0	1.0	30
Delsoy 5500	65.4	59.0	56.9	9-25	1.0	1.0	29
Ozark	65.3	63.1	62.2	9-22	1.0	1.0	27
Delta King 5366RR	65.2	63.6	63.4	9-26	2.0	1.0	32
Dyna Gro 33B52	65.0	56.9	.	9-22	1.0	1.0	25
Morsoy RT5204	64.7	.	.	9-23	1.0	1.0	28
AV52T2NRR	64.7	.	.	9-26	1.0	1.0	33
Terral TVX55RN23	64.7	.	.	9-27	2.0	1.0	35
MPV 5505NRR	64.5	.	.	9-26	1.0	1.0	31
HBK R5324	64.3	.	.	9-24	1.0	1.0	26
ASGROW AG5301	64.2	61.2	57.1	9-23	1.0	1.0	25
Delta King 5161RR	64.2	57.5	.	9-25	1.0	1.0	29
Delta King XTJ554	64.2	.	.	9-22	1.0	1.0	27

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Southern States RT5540N	64.1	.	.	9-24	2.0	1.0	32
MPV 5504NRR	64.1	55.5	.	9-26	1.0	1.0	31
Terral TVX52R301	64.1	.	.	9-23	1.0	1.0	33
USG 540nRR	63.8	56.7	53.0	9-26	1.0	1.0	29
Terral TVX55RM23	63.6	.	.	9-28	2.0	1.0	32
Morsoy RT5553	63.5	59.5	.	9-26	2.0	1.0	32
Dyna Gro 3535NRR	63.4	58.4	58.7	9-26	1.0	1.0	32
Delta King XTJ55J5	63.4	.	.	9-27	1.0	1.0	35
Morsoy RT5252	63.4	59.2	59.1	9-22	1.0	1.0	25
Garst 5212RR/N	63.3	.	.	9-25	1.0	1.0	28
Southern States RT5302N	63.2	53.1	.	9-23	1.0	1.0	24
Delta King XTJ505	63.2	.	.	9-25	1.0	1.0	26
Genesis D524RR	63.2	.	.	9-24	1.0	1.0	25
DEKALB DKB54-52	63.1	.	.	9-25	2.0	1.0	36
Progeny 5503RR	63.1	55.6	.	9-29	1.0	1.0	31
Hutcheson	62.9	57.2	58.2	9-28	1.0	1.0	27
FFR 5225RR	62.6	56.5	53.4	9-25	1.0	1.0	32
NK Brand S52-U3	62.5	54.9	55.4	9-25	1.0	1.0	24
Golden Harvest H-5492RR	62.5	56.1	55.5	9-27	1.0	1.0	26
USG 7553nRS	62.4	56.7	.	9-25	1.0	1.0	25
Deltapine 5414RR	62.3	57.9	58.2	9-26	2.0	1.0	35
ASGROW AG5501	62.2	56.8	57.5	9-25	1.0	1.0	28
HBK R5224	62.1	.	.	9-26	1.0	1.0	31
Terral TVX55R403	62.0	.	.	9-27	1.0	1.0	29
Armor GP 513	61.9	54.2	.	9-22	1.0	1.0	29
Progeny 5250RR	61.0	56.7	56.9	9-23	1.0	1.0	28
HBK R5422	60.9	52.2	51.9	9-26	1.0	1.0	30
545 RCP	60.9	.	.	9-26	1.0	1.0	26
Pioneer 95B43	60.6	57.7	55.5	9-21	1.0	1.0	28
PGY 5404RR	60.6	.	.	9-25	1.0	1.0	31
ASGROW A5427	60.4	58.7	.	9-25	1.0	1.0	22
HBK R5123	60.4	54.4	.	9-22	3.0	1.0	41
S02-611RR	60.4	.	.	9-21	1.0	1.0	26
Southern States RT557N	59.9	53.8	54.7	9-25	1.0	1.0	31
USG 7514nRR	59.9	.	.	9-22	1.0	1.0	26
Delta Grow 5460RR	59.4	55.7	.	9-26	1.0	1.0	27
ESXVT-19RR	59.2	53.6	.	9-26	1.0	1.0	33
Armor GP 530	58.7	.	.	9-25	2.0	1.0	30
Armor 53-K3	58.5	57.1	54.7	9-25	1.0	1.0	26
Willcross RR2542N	57.7	.	.	9-25	1.0	1.0	29
Grand mean	64.1	.	.	9-24	1.3	1.0	29
LSD (5%)	4.9	.	.	ns	ns	ns	.
C.V. (%)	4.8	.	.	.	.	.	.

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>							
PGY 5770	73.8	.	.	10-01	1.0	1.0	30
Morsoy RT5773	72.2	59.2	.	10-01	2.0	1.0	36
HBK C5894	72.1	.	.	9-30	2.0	1.0	36
USG 5601T	72.1	60.5	57.4	9-30	1.0	1.0	28
Dyna Gro 38K57	71.9	59.3	.	9-30	1.0	1.0	37
Dyna Gro DGX530	71.4	.	.	9-30	1.0	1.0	39
FFR 5663RR	70.7	.	.	9-26	1.0	1.0	30
Caviness	70.6	57.9	51.9	9-26	1.0	1.0	33
Terral TV57R14	70.6	57.5	.	9-30	2.0	1.0	39
DEKALB DKB57-51	70.3	58.4	.	9-28	2.0	1.0	36
Delta King 5870	70.3	.	.	10-01	2.0	1.0	38
Progeny 5703RR	70.0	56.2	.	9-27	2.0	1.0	31
Armor 58-V8	69.8	60.9	.	10-02	1.0	1.0	34
Dyna Gro 3583NRR	69.7	58.6	56.1	10-01	1.0	1.0	36
Terral TVX57R408	69.6	.	.	9-27	1.0	1.0	26
Delta King 5967RR	69.5	60.4	.	10-02	1.0	1.0	34
Southern States RT5730N	69.4	.	.	9-26	1.0	1.0	29
Delta Grow 5650RR	69.4	56.3	.	9-29	2.0	1.0	35
Dyna Gro 3562NRR	69.0	57.9	54.8	9-27	2.0	1.0	33
Delta Grow 5610RR	68.9	.	.	9-27	1.0	1.0	26
USG 7562nRR	68.9	60.6	.	9-29	1.0	1.0	37
HBK R5924	68.8	.	.	10-02	2.0	1.0	29
Delta King XTJ506	68.8	.	.	10-01	1.0	1.0	32
Freedom	68.6	56.7	.	9-27	1.0	1.0	33
Delta King 5668RR	68.4	57.7	53.4	10-02	1.0	1.0	36
Delta King 5767RR	68.4	59.0	53.6	9-28	1.0	1.0	34
Terral TV59R14	68.4	62.4	.	10-02	1.0	1.0	35
Progeny 5822RR	68.3	59.6	54.9	10-01	1.0	1.0	32
Armor 56-J6	68.1	57.8	53.3	10-02	1.0	1.0	34
NK Brand S57-P1	68.1	58.2	.	9-28	1.0	1.0	33
Progeny 5660RR	68.1	58.7	54.4	9-30	1.0	1.0	34
Morsoy RT5620	68.1	58.0	54.0	9-30	1.0	1.0	35
Delta King 5995	67.8	58.1	54.9	9-29	2.0	1.0	33
Dyna Gro SX04557	67.7	.	.	9-26	1.0	1.0	28
Deltapine X5808RR	67.6	.	.	9-29	1.0	1.0	37
Garst 5924RR/N	67.5	.	.	10-02	1.0	1.0	36
Morsoy RT5903	67.5	59.8	.	10-01	1.0	1.0	37
NK Brand S56-D7	67.4	.	.	9-27	1.0	1.0	28
Dyna Gro SX04259	67.0	.	.	9-27	1.0	1.0	33
PGY 5622RR	67.0	.	.	10-01	1.0	1.0	36
Deltapine 114605RR	66.9	.	.	9-28	1.0	1.0	31
Deltapine 5915RR	66.6	57.9	53.6	9-30	1.0	1.0	30
Terral TV56R11	66.3	59.6	54.1	10-01	1.0	1.0	35

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A -----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
Terral TVX56R405	66.3	.	.	9-28	1.0	1.0	34
ASGROW AG5903	66.1	60.3	57.2	10-01	1.0	1.0	32
DEKALB DKB58-51	65.5	.	.	9-29	1.0	1.0	36
ASGROW AG5605	65.4	56.4	.	9-27	1.0	1.0	29
HBK R5620	65.1	55.9	52.8	10-01	1.0	1.0	36
Delta King XTJ5K57	65.1	.	.	9-29	1.0	1.0	32
Deltapine 5806RR	65.0	59.8	54.7	10-01	2.0	1.0	38
HBK R5624	64.3	.	.	9-27	1.0	1.0	32
ESXVT-41RR	64.0	57.5	.	10-01	1.0	1.0	37
Delta Grow 5630RR	63.9	56.8	53.6	10-01	1.0	1.0	30
Southern States RT5602N	63.8	58.9	.	9-26	1.0	1.0	30
R97-1634	63.6	58.2	.	9-29	1.0	1.0	29
Garst 5812RR/N	63.6	57.0	.	10-01	1.0	1.0	38
USG 7582nRR	63.6	56.6	53.6	10-01	1.0	1.0	32
Pioneer 95M80	63.4	.	.	9-28	1.0	1.0	29
Anand	63.1	55.7	56.6	9-28	1.0	1.0	23
Pioneer 95B96	62.1	56.8	54.1	9-27	1.0	1.0	29
ASGROW AG5905	62.1	.	.	9-30	1.0	1.0	33
Delta Grow 5960RR	61.9	56.6	52.9	10-01	1.0	1.0	32
Southern States RT5999N	61.2	.	.	10-01	1.0	1.0	34
Terral TV56R12	60.4	54.3	.	9-27	1.0	1.0	35
Southern States RT5702N	60.1	.	.	9-28	1.0	1.0	41
Dyna Gro SX04358	59.9	.	.	9-30	1.0	1.0	38
Terral TV58R12	59.6	56.1	.	10-02	1.0	1.0	37
PGY 5714RR	59.4	.	.	10-02	1.0	1.0	37
Deltapine 5634RR	59.2	54.2	.	9-29	1.0	1.0	36
ESXVT-46RR	56.2	51.7	.	9-30	1.0	1.0	35
ESXVT-34RR	51.3	.	.	10-04	1.0	1.0	38
Grand mean	66.4	.	.	9-29	1.2	1.0	33
LSD (5%)	5.1	.	.	ns	ns	ns	.
C.V. (%)	4.8	.	.	.	.	.	.

¹ Average yield for 2003 and 2004.

² Average yield for 2002, 2003 and 2004.

Table 4. Performance of Nonirrigated Soybean Cultivars, Northeast Research and Extension Center, Keiser, AR, 2004, Continued.

Soil Series.....	Sharkey clay
Previous Crop.....	Grain sorghum
Row Width.....	38"
Fertilizer Applied.....	None
Lime Applied.....	None
Planting Date.....	5-7-04
Herbicide Application.....	1.25pts./A Flexstar, 10ozs./A Select 5-27-0; 1.25pts./A Flexstar, 10ozs./A Select 6-28-04
End Trimming.....	None
Harvest Dates.....	MG4 Early: 9-17-04 MG4 Late: 9-23-04 MG5 Early: 10-1-04 MG5 Late: 10-4-04

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2004	6.3	6.5	2.6	7.2	3.4	0.04	3.7	29.7
Average	5.0	5.2	4.0	3.7	2.9	3.9	3.0	27.7
Departure	+1.3	+1.3	-1.4	+3.5	+0.5	-3.9	+7	+2

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
AV 46J5NRR	69.6	.	.	9-16	1.0	1.7	34
Delta Grow 4340RR	68.1	.	.	9-13	1.0	2.0	37
USG 7434nRR	68.1	.	.	9-15	1.0	1.7	37
MPV 4705nRR	68.1	.	.	9-19	1.0	1.7	37
Delta King 4763RR	66.6	63.3	60.4	9-17	1.3	1.7	41
DEKALB DKB46-51	66.4	63.1	.	9-19	2.0	1.0	44
Armor 44-R5	65.5	60.9	.	9-16	1.0	2.0	38
Terral TVX44R401	65.5	.	.	9-13	1.0	1.7	38
PGY 4304RR	64.9	.	.	9-13	1.0	2.3	39
Genesis E434NRR	64.3	.	.	9-13	1.3	1.7	44
ASGROW AG4201	64.0	64.3	61.7	9-13	1.0	2.0	41
Delta King XTJ502	63.7	.	.	9-19	1.7	1.7	42
DEKALB DKB44-51	63.4	62.7	.	9-14	1.0	2.0	43
Delta King XTJ543	63.4	.	.	9-13	1.0	2.0	36
Morsoy RT4304	62.8	.	.	9-12	1.0	2.7	36
Golden Harvest H-4368RR	62.5	.	.	9-13	1.0	1.3	35
USG 7443nRR	61.7	.	.	9-14	1.0	1.7	36
ASGROW AG4502	60.8	59.9	.	9-18	1.7	2.0	38
Deltapine 4724RR	60.2	61.3	.	9-18	2.0	1.7	41
Armor 47-G7	59.9	61.6	59.4	9-18	1.7	1.3	39
Delta Grow 4840RR	59.6	.	.	9-15	1.3	3.0	40
Pioneer 94B73	58.7	55.5	55.2	9-14	1.0	2.3	45
Delta King 4461RR	58.5	59.5	58.2	9-17	1.0	2.0	44
Deltapine 4331RR	58.4	58.3	.	9-13	1.0	2.3	41
Armor 44-R4	58.1	59.3	56.7	9-15	1.3	2.0	41
Genesis C444RR	57.3	.	.	9-17	1.3	2.3	42
S02-679RR	57.2	.	.	9-18	1.7	1.7	47
NK Brand S43-B1	56.7	57.2	.	9-12	1.7	2.0	41
Golden Harvest H-4749RR	56.4	.	.	9-18	1.7	1.7	40
Delta King XTJ501	56.4	.	.	9-15	1.3	2.0	46
Progeny 4401RR	56.4	55.0	54.1	9-15	1.7	2.3	45
465RC	56.4	.	.	9-16	2.0	1.7	44
HBK R4623	56.3	.	.	9-14	2.3	2.7	43
Pioneer 94M70	56.1	55.7	.	9-14	1.0	2.0	47
Delta King XTJ540	56.1	.	.	9-13	2.0	2.7	43
ASGROW AG4403	55.8	54.6	54.4	9-14	1.0	2.3	44
Progeny 3900RR	55.8	54.8	.	9-09	1.0	1.7	37
ASGROW AG4603	55.5	60.0	58.4	9-17	1.0	2.0	41
Armor 39-E9	55.5	.	.	9-11	1.0	2.3	38
Dyna Gro 3443NRR	55.5	59.0	56.3	9-16	2.0	2.3	45
Delta King XTJ545	55.5	.	.	9-16	2.0	1.0	41
USG 7440nRR	55.5	53.8	.	9-15	1.3	2.0	45
Morsoy RT4480	55.5	52.6	52.4	9-17	1.7	2.0	44

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>							
PGY 4604RR	54.9	.	.	9-18	2.0	1.7	44
Dyna Gro 3463NRR	53.7	53.7	.	9-13	1.7	2.3	46
Terral TVX45RM21	53.7	.	.	9-16	2.0	2.3	47
435RC	53.4	.	.	9-13	1.0	2.7	43
Delta King 4161RR	52.9	.	.	9-12	1.0	2.3	34
Terral TVX45RL21	52.6	.	.	9-15	2.3	3.0	49
Terral TVX46R401	52.5	.	.	9-18	2.3	1.7	43
Delta King XTJ546	51.9	.	.	9-18	2.0	2.0	42
Terral TVX45RN21	51.9	.	.	9-16	2.0	2.7	50
S02-677RR	51.4	.	.	9-18	2.0	1.7	46
Delta King 4661RR	48.7	50.4	.	9-15	1.7	2.0	49
Delta Grow 4630RR	48.7	.	.	9-19	2.3	1.7	43
HBK R4023	48.4	.	.	9-15	4.0	1.3	39
Deltapine 4546RR	46.4	49.5	.	9-18	2.0	2.0	42
Progeny 4703RR	40.8	.	.	9-20	2.7	2.3	48
Grand mean	57.8	.	.	9-15	1.5	2.0	42
LSD (5%)	5.6	.	.	3	0.6	0.9	.
C.V. (%)	5.9	.	.	2	24.7	27.2	.
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
USG 7484nRR	65.8	.	.	9-15	1.7	1.7	39
Delta King XTJ503	65.5	.	.	9-17	1.3	2.0	39
Deltapine X4891RR	65.4	.	.	9-17	2.0	1.7	39
ASGROW AG4801	65.2	.	.	9-17	1.0	1.3	39
Delta King 4967RR	64.3	58.9	.	9-17	1.3	1.0	39
Genesis E484RR	63.1	.	.	9-15	2.0	2.3	39
Terral TVX48R413	63.1	.	.	9-15	2.3	2.3	42
PGY 4804RR	62.5	.	.	9-15	2.3	2.0	39
Genesis D491RR	62.0	.	.	9-16	1.7	2.0	38
MPV 4805nRR	61.9	.	.	9-16	2.0	2.3	40
Dyna Gro 3481NRR	61.7	59.4	.	9-17	1.3	1.3	43
Dyna Gro 36M49	61.7	58.1	.	9-15	2.0	2.3	40
MPV 4905nRR	61.6	.	.	9-15	2.7	2.7	42
Morsoy RT4993	61.1	57.2	.	9-16	2.3	2.3	37
USG 7482nRR	60.2	57.3	.	9-16	1.7	1.3	40
USG 7494nRR	59.3	.	.	9-16	2.3	2.0	42
495RC	59.3	.	.	9-22	3.3	2.0	47
Dyna Gro 3484NRR	58.7	.	.	9-17	1.0	2.0	46
Delta Grow 4970RR	58.4	.	.	9-23	3.3	2.0	46
AV 49J7NRR	58.1	.	.	9-15	2.0	1.7	37
Pioneer 94M90	57.9	.	.	9-15	2.0	2.0	50

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Armor GP 474	57.8	58.9	.	9-15	1.7	2.0	40
ASGROW AG4902	57.6	52.6	54.5	9-19	2.0	2.0	41
Delta Grow 4860RR	57.5	57.5	56.4	9-17	2.0	1.0	37
USG 7499nRR	57.2	56.5	54.3	9-23	1.0	2.0	44
Genesis D484RR	56.4	.	.	9-16	1.7	1.7	38
NK Brand S49-Q9	56.3	54.6	.	9-20	1.3	1.7	46
Progeny 4860RR	56.1	54.2	.	9-22	1.7	1.7	43
Southern States RT5130N	55.8	.	.	9-22	1.3	1.0	40
HBK R4924	55.2	.	.	9-19	2.0	1.0	50
Delta Grow 4960RR	55.2	56.2	.	9-22	2.0	1.0	39
DT98-7278	55.2	.	.	9-22	1.7	2.0	37
HBK R4820	54.9	51.3	50.3	9-17	1.0	1.7	43
Garst 5012RR/N	54.9	.	.	9-22	1.3	1.3	40
Terral TVX48RM27	54.3	.	.	9-20	1.7	2.0	46
Delta King 4868RR	54.0	52.8	51.3	9-17	1.3	2.0	37
Southern States RT4980	53.1	49.5	47.3	9-19	2.0	2.3	44
Terral TVX48RL27	52.3	.	.	9-20	1.7	2.0	46
S02-683RR	51.7	.	.	9-23	2.7	1.7	50
Dyna Gro SX04349	51.4	.	.	9-19	2.0	2.3	50
HBK R4724	50.8	.	.	9-19	2.0	1.3	48
ASGROW AG4903	50.5	.	.	9-19	2.0	2.0	42
DT97-4290	50.5	49.4	.	9-18	2.0	1.7	42
Terral TVX48RN27	50.5	.	.	9-20	1.7	1.7	44
Delta King 4866RR	50.2	.	.	9-17	1.3	1.7	42
R98-1817	49.6	51.7	50.5	9-22	1.3	1.7	35
Delta King XTJ54J9	49.6	.	.	9-19	1.7	2.0	50
Deltapine 4933RR	49.6	51.8	.	9-18	2.0	2.0	47
FFR 4922RR	49.3	48.5	.	9-18	2.0	2.7	50
Progeny 4910	48.7	54.5	51.2	9-20	2.7	2.3	49
ESXVT-17RR	48.5	.	.	9-23	4.0	1.0	50
Southern States RT4902N	47.9	49.1	49.4	9-18	2.3	1.7	47
Southern States RT5001N	47.6	51.3	49.9	9-23	3.0	1.7	45
Terral TVX49R302	47.3	.	.	9-20	2.0	2.7	52
Delta King XTJ549	46.7	.	.	9-18	2.7	1.7	47
Manokin	46.4	46.3	42.2	9-21	2.0	1.3	38
Progeny 4949RR	46.1	47.9	.	9-21	2.7	1.7	45
Southern States RT517N	44.9	45.4	44.5	9-22	1.7	1.0	43
DT98-9102	44.6	41.3	.	9-23	2.0	1.3	39

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Delta King 4862RR	43.7	47.7	.	9-17	2.0	2.3	48
DT99-17445	43.5	.	.	9-23	3.0	1.0	39
HBK R4945CX	41.7	.	.	9-14	2.0	2.0	49
Delta King XTJ54X9	40.8	.	.	9-14	2.0	1.7	48
Terral TV49R12	38.8	41.1	.	9-20	2.7	1.7	55
Grand mean	54.2	.	.	9-19	2.0	1.8	43
LSD (5%)	5.9	.	.	2	0.9	0.8	.
C.V. (%)	6.8	.	.	1	27.2	29.0	.
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
ASGROW A5427	60.2	59.4	.	10-01	1.0	1.0	33
545 RCP	59.0	.	.	10-01	1.0	1.0	35
Golden Harvest H-5053RR	58.7	.	.	9-17	2.0	2.0	41
Progeny 5250RR	52.3	53.9	50.5	9-30	1.7	1.7	36
USG 7514nRR	51.4	.	.	9-30	3.3	1.7	43
Delta King XTJ554	51.1	.	.	9-27	1.7	1.0	39
HBK R5424S	50.5	.	.	9-27	1.7	1.3	41
USG 5002T	50.5	52.2	.	9-27	1.3	1.0	34
Morsoy RT5252	49.9	53.0	53.6	9-30	1.0	1.7	41
Terral TVX52R301	49.9	.	.	9-29	3.3	2.3	42
ASGROW AG5301	49.6	52.8	54.4	9-29	2.0	2.3	47
FFR 5033RR	49.6	.	.	9-26	1.3	2.0	44
Delta Grow 5260RR	49.3	54.4	.	9-30	3.7	1.7	42
Southern States RT5302N	49.0	51.7	.	9-30	2.0	2.0	46
FFR 5225RR	49.0	51.2	50.0	9-29	2.3	2.0	45
Delta King XTJ504	48.7	.	.	9-27	3.0	1.7	40
Genesis D524RR	48.4	.	.	9-30	1.0	1.3	34
Morsoy RT5204	48.4	.	.	9-28	2.7	2.0	39
AV50J6NRR	48.4	.	.	9-26	1.3	1.7	45
DEKALB DKB54-52	48.1	.	.	10-01	3.0	1.7	52
NK Brand S52-U3	47.9	47.7	49.6	9-28	2.7	2.0	39
S02-611RR	47.6	.	.	9-29	4.0	1.3	45
Delta King 55T6	47.5	52.0	.	10-05	3.3	1.3	50
Dyna Gro 33B52	47.0	48.4	.	9-27	3.3	2.0	38
Delta King 5567RR	47.0	.	.	9-30	2.3	1.3	42
NK Brand S50-N3	46.7	49.4	.	9-27	2.3	1.7	48
Pioneer 95B32	46.7	47.7	47.8	9-28	2.0	2.0	40
Armor GP 513	46.7	46.4	.	9-28	2.3	1.3	36
Progeny 5503RR	46.4	51.2	.	9-30	2.3	1.7	43
Delta King 5161RR	45.5	46.3	.	9-28	2.0	2.0	34
USG 7553nRS	45.5	52.4	.	9-30	2.0	1.7	42

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Morsoy RT5553	45.5	50.2	.	9-30	2.7	2.3	53
Southern States RT5540N	45.2	.	.	9-30	3.7	1.7	51
HBK R5324	45.2	.	.	9-30	2.7	2.3	35
PGY 5404RR	45.2	.	.	9-30	2.3	2.0	39
Delta Grow 5460RR	44.6	50.0	.	9-30	2.0	2.0	42
Deltapine 5414RR	44.6	49.8	49.4	10-03	3.3	1.7	52
HBK R5422	44.3	51.1	47.6	9-30	1.7	1.3	43
Delta King 5366RR	44.3	50.3	50.2	10-01	4.0	1.7	53
Willcross RR2542N	44.3	.	.	9-30	1.0	1.0	43
AV52T2NRR	44.3	.	.	9-29	1.3	2.0	46
HBK R5224	44.0	.	.	9-30	3.3	2.0	45
Golden Harvest H-5492RR	44.0	52.2	51.8	9-28	1.0	1.7	38
Ozark	43.8	50.2	49.2	9-29	2.3	1.3	41
Terral TVX55R403	43.8	.	.	9-30	2.0	2.0	42
Pioneer 95B42	43.4	47.7	47.1	9-28	2.3	2.0	44
ASGROW AG5501	43.2	49.6	50.6	9-30	2.3	2.0	42
Garst 5212RR/N	43.2	.	.	9-30	2.0	1.7	46
Dyna Gro 3535NRR	43.1	48.2	49.3	9-30	4.0	2.0	45
Armor 53-K3	42.3	50.7	49.7	9-29	1.3	1.0	38
Delta King XTJ505	42.0	.	.	10-01	4.0	2.0	47
DB00-087	42.0	.	.	10-02	4.7	1.3	41
MPV 5504NRR	42.0	46.7	.	9-29	2.3	1.3	39
DB00-155	41.4	.	.	9-28	2.7	1.7	41
USG 540nRR	41.1	48.2	48.3	10-01	1.7	1.0	43
ESXVT-19RR	41.1	47.3	.	10-04	3.3	2.0	47
Armor GP 530	39.6	.	.	9-30	3.3	1.0	50
Delsoy 5500	39.6	46.5	49.2	9-27	1.3	1.3	36
Teejay	39.6	47.6	.	9-27	1.7	2.3	41
MPV 5505NRR	39.6	.	.	9-30	1.7	2.0	44
Pioneer 95B43	37.3	44.1	45.9	9-26	3.0	1.7	45
DB00-141	37.3	.	.	9-28	1.3	1.7	39
Hutcheson	35.8	44.7	44.3	9-28	2.0	1.3	43
Southern States RT557N	35.5	43.0	42.4	9-29	3.0	2.0	47
HBK R5123	34.9	41.9	.	9-25	3.7	1.7	50
HBK R5524	32.6	.	.	9-29	4.0	2.0	54
Delta King XTJ55J5	29.7	.	.	9-29	3.3	2.0	47
Terral TVX55RM23	29.4	.	.	9-28	2.7	1.3	60
Terral TVX55RL23	29.1	.	.	9-28	3.3	1.3	58
Terral TVX55RN23	29.1	.	.	9-29	3.3	1.7	51
Delta Grow 5555RR	27.6	.	.	9-28	3.7	1.3	44
Grand mean	44.2	.	.	9-29	2.5	1.7	43
LSD (5%)	5.6	.	.	2	0.8	0.9	.
C.V. (%)	7.9	.	.	1	21.5	31.9	.

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>							
Dyna Gro SX04557	53.9	.	.	10-01	4.0	1.0	40
Terral TV59R14	52.8	55.3	.	10-10	4.0	1.0	45
USG 7582nRR	52.5	55.4	54.0	10-10	3.3	1.7	47
DEKALB DKB57-51	52.0	57.3	.	10-03	3.7	2.0	45
Anand	51.3	58.2	56.9	9-30	2.0	1.3	34
PGY 5770	51.1	.	.	10-08	3.0	1.0	48
Terral TVX57R408	50.8	.	.	10-01	3.3	1.3	39
Armor 58-V8	49.9	54.3	.	10-07	3.7	1.7	49
Dyna Gro 38K57	49.6	53.9	.	10-02	3.3	1.7	44
Terral TV57R14	49.6	53.4	.	10-03	3.7	1.3	40
Armor 56-J6	49.0	51.9	51.2	10-05	3.0	1.0	45
Dyna Gro DGX530	49.0	.	.	10-03	3.7	1.3	47
Morsoy RT5903	48.7	49.9	.	10-07	3.7	1.0	51
ASGROW AG5903	48.4	51.7	52.5	10-03	3.3	1.3	46
Dyna Gro SX04259	48.4	.	.	10-02	2.7	1.7	42
Delta King 5870	48.4	.	.	10-03	4.0	1.3	45
FFR 5663RR	48.1	.	.	10-01	4.0	1.0	38
HBK C5894	48.0	.	.	10-04	4.0	1.0	46
Dyna Gro 3583NRR	47.9	53.2	53.3	10-07	3.7	1.0	45
Deltapine 114605RR	47.6	.	.	10-02	2.7	1.7	49
Deltapine 5915RR	47.6	52.2	52.7	10-08	3.3	1.3	44
Southern States RT5730N	47.0	.	.	9-30	2.7	1.0	38
Deltapine 5634RR	47.0	50.8	.	10-02	4.0	1.3	50
Progeny 5703RR	47.0	51.9	.	10-04	3.7	1.7	42
DEKALB DKB58-51	46.5	.	.	10-01	3.0	1.7	42
Southern States RT5999N	46.4	.	.	10-06	2.3	1.0	59
USG 5601T	46.4	52.5	53.2	10-02	2.0	1.3	44
Delta Grow 5650RR	46.3	50.2	.	10-03	3.7	1.7	44
Progeny 5660RR	46.1	51.1	50.4	10-04	3.3	1.3	47
Progeny 5822RR	46.1	50.1	51.9	10-06	3.3	1.7	50
Deltapine X5808RR	45.8	.	.	10-03	4.0	1.3	45
HBK R5620	45.6	48.2	49.3	10-05	3.0	1.3	49
PGY 5714RR	45.6	.	.	10-06	4.0	1.0	51
NK Brand S56-D7	45.5	.	.	10-03	4.0	1.7	47
Southern States RT5602N	45.5	49.2	.	9-30	2.7	3.0	45
PGY 5622RR	45.5	.	.	10-06	3.7	1.7	46
HBK R5924	45.2	.	.	10-09	3.7	1.0	50
R97-1634	45.2	50.0	.	10-03	2.3	1.7	38
ASGROW AG5605	44.9	52.5	.	9-30	2.3	1.0	41
Delta King XTJ5K57	44.9	.	.	10-01	3.0	1.3	40
Terral TVX56R405	44.9	.	.	10-02	2.7	1.7	45
Delta King 5767RR	44.0	48.5	49.3	10-03	3.0	1.7	42
Morsoy RT5620	42.9	48.7	49.4	10-04	4.0	1.0	38

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
Southern States RT5702N	42.6	.	.	10-01	4.0	1.3	43
Garst 5812RR/N	42.6	49.6	.	10-05	3.0	1.7	49
Delta Grow 5610RR	42.5	.	.	9-29	3.0	1.0	34
Delta King 5967RR	42.4	50.5	.	10-08	3.0	1.3	44
Dyna Gro SX04358	42.3	.	.	10-04	4.0	1.7	51
Garst 5924RR/N	41.7	.	.	10-09	3.3	1.7	50
Delta King XTJ506	41.7	.	.	10-07	3.0	1.0	40
Morsoy RT5773	41.7	49.4	.	10-04	3.7	1.7	49
Caviness	41.7	47.4	47.9	10-02	4.3	1.7	39
HBK R5624	41.1	.	.	9-29	2.7	1.0	45
Delta Grow 5630RR	41.1	47.0	45.4	10-05	3.0	1.7	45
Pioneer 95M80	41.0	.	.	10-03	3.3	1.7	45
Dyna Gro 3562NRR	41.0	47.3	49.9	10-07	4.0	1.0	36
Delta King 5668RR	40.8	49.5	50.6	10-03	4.0	1.0	39
USG 7562nRR	40.8	50.8	.	10-07	3.7	1.7	47
Delta Grow 5960RR	40.7	48.9	50.9	10-08	3.3	1.7	45
ASGROW AG5905	40.6	.	.	10-04	2.7	1.3	50
Pioneer 95B96	40.5	45.5	45.4	10-02	3.3	1.3	45
Terral TV56R11	40.2	47.6	48.3	10-05	4.0	1.0	53
Delta King 5995	39.9	49.2	49.3	10-05	4.0	1.3	45
Deltapine 5806RR	39.9	44.5	44.4	10-07	3.7	1.3	48
Terral TV56R12	39.4	42.7	.	9-30	2.7	1.7	50
ESXVT-41RR	39.3	46.6	.	10-10	4.0	1.0	50
NK Brand S57-P1	35.2	41.8	.	10-01	4.3	2.3	41
ESXVT-46RR	34.1	40.5	.	10-04	3.0	1.0	50
Terral TV58R12	33.8	40.4	.	10-05	3.0	2.0	48
ESXVT-34RR	31.2	.	.	10-16	3.0	1.3	53
Freedom	29.7	35.1	.	10-02	4.7	1.3	40
Grand mean	44.5	.	.	10-04	3.4	1.4	45
LSD (5%)	8.0	.	.	3	0.9	0.8	.
C.V. (%)	11.3	.	.	2	16.3	35.3	.

¹ Shattering and lodging reduced yields at this location.

² Average yield for 2003 and 2004.

³ Average yield for 2002, 2003 and 2004.

Table 5. Performance of Irrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Soil Series.....	Calloway Silt Loam
Previous Crop.....	Cotton
Row Width.....	30"
Fertilizer Applied.....	100lbs./A 0-0-60, 4-2-04;
Lime Applied.....	None
Planting Date.....	5-25-04
Herbicide Application.....	1pt./A Gramoxonne, 5-22-04; 1/5pts./A Treflan, 5-25-04; 0.75pts./A Fusion, 6-8-04; 1.5pts./A Storm, 6-9-04; 0.5pts./A Fusion, 6-26-04; 1pt./A Blazer, 6-26-04
Irrigation Dates.....	7-17-04, 7-22-04, 8-5-04, 8-10-04, 8-20-04
End Trimming.....	Near maturity
Harvest Dates.....	MG4 Early: 9-20-04 MG4 Late: 9-23-04 MG5 Early: 10-5-04 MG5 Late: 10-9-04

	<u>Precipitation (inches)</u>							
	April	May	June	July	August	September	October	Total
2004	4.2	6.9	6.2	3.2	0.5	0.2	4.	25.2
Average	5.4	5.2	3.4	4.0	2.8	4.0	3.0	27.8
Departure	-1.2	+1.7	+2.8	-.8	-2.3	-3.8	+1.	-2.6

Table 6. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----						
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>						
Armor 44-R5	52.7	47.1	.	1.0	1.0	30
DEKALB DKB46-51	52.4	51.5	.	1.0	1.0	37
MPV 4705nRR	51.9	.	.	1.3	1.0	35
Golden Harvest H-4368RR	51.2	.	.	1.0	1.0	30
Terral TVX45RM21	50.2	.	.	2.3	1.3	41
AV 46J5NRR	50.0	.	.	1.0	1.0	31
Armor 47-G7	49.7	49.2	47.6	1.3	1.0	33
Armor 39-E9	48.2	.	.	1.0	2.0	32
Delta King XTJ502	48.0	.	.	1.3	1.0	37
Terral TVX46R401	46.9	.	.	1.3	1.0	34
ASGROW AG4502	46.7	49.2	.	1.0	1.0	38
Morsoy RT4304	46.5	.	.	1.0	1.0	41
DEKALB DKB44-51	46.2	43.6	.	1.0	1.0	39
PGY 4604RR	46.2	.	.	1.7	1.0	37
Armor 44-R4	46.0	45.2	42.0	1.0	1.0	36
Delta King 4763RR	46.0	46.6	44.7	1.0	1.0	36
Dyna Gro 3443NRR	45.7	42.2	41.1	1.0	1.0	40
Delta King XTJ543	45.7	.	.	1.0	1.0	34
Deltapine 4724RR	45.7	46.1	.	1.7	1.0	35
Delta King 4461RR	45.2	42.1	42.1	1.0	1.0	39
Pioneer 94B73	45.0	45.5	44.9	1.0	1.0	38
Delta King XTJ501	44.7	.	.	1.0	1.0	40
Progeny 3900RR	44.7	42.2	.	1.0	1.0	46
435RC	44.7	.	.	1.3	1.0	39
465RC	44.7	.	.	1.0	1.0	37
ASGROW AG4201	44.2	46.5	42.1	1.0	1.0	53
Delta King XTJ545	44.0	.	.	1.7	1.0	39
Genesis C444RR	44.0	.	.	1.0	1.0	34
USG 7434nRR	44.0	.	.	1.0	1.0	32
USG 7443nRR	43.9	.	.	1.0	1.0	32
ASGROW AG4403	43.5	41.5	41.4	1.0	1.0	33
ASGROW AG4603	43.5	44.5	43.8	1.0	1.0	34
HBK R4623	43.2	.	.	1.7	1.0	40
Delta King XTJ546	43.2	.	.	1.0	1.0	35
Deltapine 4546RR	43.0	42.2	.	2.7	1.0	41
Progeny 4401RR	43.0	41.5	40.4	1.0	1.0	38
Deltapine 4331RR	42.7	43.6	.	1.0	1.0	36
PGY 4304RR	42.7	.	.	1.0	1.0	33
Morsoy RT4480	42.7	42.8	42.3	1.0	1.0	40
Genesis E434NRR	42.5	.	.	1.0	1.0	32
Pioneer 94M70	42.2	45.9	.	1.3	1.0	36
NK Brand S43-B1	42.2	42.2	.	1.0	1.0	32
Delta Grow 4840RR	42.2	.	.	1.7	1.0	37

Table 6. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----						
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>						
Delta Grow 4630RR	42.0	.	.	1.0	1.0	35
Delta Grow 4340RR	41.8	.	.	1.0	1.0	32
Delta King 4161RR	41.7	.	.	1.0	1.0	31
Dyna Gro 3463NRR	41.5	40.9	.	1.7	1.3	41
S02-677RR	41.5	.	.	1.3	1.3	44
Terral TVX45RL21	41.5	.	.	2.3	1.3	43
Terral TVX45RN21	40.7	.	.	2.3	2.0	42
HBK R4023	40.5	.	.	1.7	1.0	38
Terral TVX44R401	40.3	.	.	1.0	1.0	35
USG 7440nRR	40.0	40.7	.	1.0	1.0	40
Delta King XTJ540	39.3	.	.	1.0	1.0	36
Delta King 4661RR	39.3	36.7	.	2.0	1.0	46
Golden Harvest H-4749RR	39.0	.	.	1.0	1.0	40
S02-679RR	36.0	.	.	1.3	1.0	42
Progeny 4703RR	32.1	.	.	2.0	1.0	45
Grand mean	44.1	.	.	1.3	1.1	37
LSD (5%)	8.1	.	.	0.6	0.2	.
C.V. (%)	11.2	.	.	28.0	14.1	.
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>						
MPV 4805nRR	48.9	.	.	1.3	1.7	39
Terral TVX48R413	46.7	.	.	1.3	2.0	37
Delta Grow 4970RR	46.0	.	.	2.0	2.3	42
Southern States RT5130N	44.0	.	.	1.3	1.7	38
R98-1817	43.2	45.7	43.0	1.0	1.3	30
495RC	43.2	.	.	2.0	2.3	43
Delta King 4967RR	42.7	44.9	.	1.0	1.3	38
Terral TVX48RL27	42.7	.	.	1.0	1.0	44
Delta Grow 4960RR	42.5	45.4	.	1.3	1.3	38
ASGROW AG4801	41.5	.	.	1.0	1.3	34
Delta Grow 4860RR	41.5	43.7	40.9	1.3	1.3	35
Armor GP 474	41.0	42.2	.	1.3	1.3	37
USG 7499nRR	40.5	43.1	39.9	1.0	1.3	40
Dyna Gro 3481NRR	40.2	44.4	.	1.3	1.0	37
USG 7494nRR	40.0	.	.	1.3	2.0	37
Progeny 4949RR	40.0	42.2	.	2.0	1.7	43
Progeny 4860RR	39.7	47.2	.	1.3	1.3	44
Delta King 4866RR	39.5	.	.	1.0	1.3	37
Morsoy RT4993	39.5	41.1	.	1.7	2.0	36
Delta King XTJ503	39.3	.	.	1.0	1.3	32
Terral TVX48RN27	39.0	.	.	1.0	1.7	42

Table 6. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----						
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>						
DT97-4290	38.7	38.9	.	1.0	1.3	41
HBK R4924	38.3	.	.	1.3	1.3	47
USG 7482nRR	38.2	39.7	.	1.3	1.7	36
DT98-7278	38.1	.	.	1.0	1.7	39
PGY 4804RR	37.8	.	.	1.0	2.0	38
Manokin	37.5	41.8	37.4	1.0	1.0	37
MPV 4905nRR	37.5	.	.	1.7	2.3	37
Deltapine X4891RR	37.4	.	.	1.3	1.7	38
USG 7484nRR	37.3	.	.	1.3	1.7	36
DT98-9102	37.3	33.8	.	1.7	1.3	37
Pioneer 94M90	37.0	.	.	1.0	2.0	41
HBK R4724	37.0	.	.	1.7	2.3	45
Garst 5012RR/N	37.0	.	.	1.3	1.7	41
HBK R4820	36.7	39.7	38.2	1.0	2.0	36
Dyna Gro 36M49	36.5	41.0	.	1.0	1.7	36
Genesis D484RR	36.5	.	.	1.0	1.3	36
DT99-17445	36.5	.	.	1.0	1.3	33
Terral TVX48RM27	36.5	.	.	1.0	2.0	45
Genesis E484RR	36.2	.	.	1.0	2.3	38
ASGROW AG4902	36.0	41.0	38.2	1.0	1.7	37
Southern States RT4980	35.8	38.5	36.4	1.3	1.7	43
AV 49J7NRR	35.0	.	.	1.0	1.7	38
ASGROW AG4903	34.8	.	.	1.0	1.3	36
Dyna Gro SX04349	34.3	.	.	1.0	2.3	43
Delta King 4862RR	34.1	35.8	.	1.3	1.7	46
NK Brand S49-Q9	34.0	41.8	.	1.3	2.3	44
Delta King 4868RR	33.5	38.2	37.7	1.0	1.0	35
Delta King XTJ54J9	33.5	.	.	1.0	3.0	41
Genesis D491RR	33.3	.	.	1.0	2.3	36
FFR 4922RR	33.3	34.6	.	1.3	2.3	43
Southern States RT5001N	33.0	42.4	40.9	1.3	1.3	42
Southern States RT517N	32.8	38.9	37.9	1.0	1.0	37
Dyna Gro 3484NRR	32.5	.	.	1.0	1.7	41
ESXVT-17RR	32.5	.	.	2.7	1.3	48
Southern States RT4902N	32.0	36.0	35.6	1.3	1.3	46
S02-683RR	31.6	.	.	1.0	2.0	47
Deltapine 4933RR	31.0	36.4	.	1.3	2.3	45
Delta King XTJ549	30.1	.	.	1.3	2.3	36
Progeny 4910	28.3	37.0	35.6	1.7	2.0	44
Delta King XTJ54X9	26.1	.	.	1.0	2.0	41
Terral TV49R12	25.3	32.5	.	1.3	1.3	48
Terral TVX49R302	24.4	.	.	1.0	2.3	43
HBK R4945CX	23.6	.	.	1.0	1.7	41
Grand mean	36.7	.	.	1.2	1.7	40
LSD (5%)	8.4	.	.	0.7	1.0	.
C.V. (%)	14.3	.	.	35.5	36.0	.

Table 6. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----						
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)⁴</u>						
FFR 5033RR	58.4	.	.	1.3	1.7	37
USG 5002T	56.1	53.0	.	1.0	1.7	28
Southern States RT5540N	54.4	.	.	1.7	2.0	44
Genesis D524RR	54.1	.	.	1.0	1.0	30
Armor GP 513	53.9	49.5	.	1.0	1.0	32
DB00-087	53.9	.	.	1.7	2.0	34
AV50J6NRR	52.4	.	.	1.3	2.0	39
USG 7514nRR	51.9	.	.	1.0	1.7	31
Delta King 5567RR	50.4	.	.	1.0	1.0	34
HBK R5422	50.2	50.8	41.4	1.3	2.0	38
Ozark	50.2	50.3	42.5	1.3	1.0	34
HBK R5424S	49.7	.	.	1.0	1.3	35
HBK R5324	49.7	.	.	1.3	2.7	35
HBK R5224	49.7	.	.	1.3	1.3	33
Armor 53-K3	49.5	50.5	41.2	1.0	1.7	28
Delta King 55T6	49.4	53.0	.	1.0	1.7	33
USG 540nRR	49.2	50.3	40.5	1.0	1.3	37
Terral TVX52R301	49.2	.	.	1.7	1.3	41
ASGROW AG5301	48.9	51.6	42.1	1.0	1.7	40
DEKALB DKB54-52	48.9	.	.	1.7	1.7	45
Delta King 5161RR	48.2	48.4	.	1.0	1.7	35
Teejay	48.2	47.9	.	1.0	1.7	36
Hutcheson	47.9	47.4	39.4	1.0	2.0	26
Delta King 5366RR	47.7	50.0	40.6	2.7	1.3	43
Morsoy RT5204	47.7	.	.	1.0	1.3	38
Delta Grow 5260RR	47.6	50.1	.	1.3	1.3	41
Dyna Gro 33B52	47.6	46.0	.	1.0	1.3	27
ESXVT-19RR	47.5	51.7	.	1.3	1.3	41
Golden Harvest H-5492RR	47.2	47.9	39.9	1.0	1.0	34
ASGROW A5427	46.9	48.5	.	1.0	1.7	26
S02-611RR	46.9	.	.	1.3	2.0	39
Delta King XTJ554	46.5	.	.	1.0	1.3	34
Morsoy RT5252	46.5	47.3	39.2	1.0	1.7	32
Southern States RT5302N	46.0	48.6	.	1.0	2.0	37
Delta Grow 5460RR	45.2	49.1	.	1.3	1.0	39
Dyna Gro 3535NRR	44.9	48.2	38.7	2.0	1.0	37
Pioneer 95B32	44.6	44.9	38.4	1.0	1.3	28
Golden Harvest H-5053RR	44.2	.	.	2.0	2.0	37
Morsoy RT5553	44.2	50.1	.	2.0	1.0	44
HBK R5524	44.0	.	.	2.3	2.0	43
Delta King XTJ504	44.0	.	.	1.3	2.3	35
Terral TVX55RN23	44.0	.	.	2.7	1.3	46
FFR 5225RR	43.7	47.7	37.9	1.0	2.0	41

Table 6. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----						
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)⁴ Continued</u>						
Deltapine 5414RR	43.7	46.5	40.5	2.0	2.0	44
PGY 5404RR	43.5	.	.	1.3	1.3	31
NK Brand S52-U3	43.4	47.5	39.4	1.0	1.0	31
ASGROW AG5501	43.2	48.4	41.3	1.0	2.3	35
Delta King XTJ505	43.2	.	.	1.7	1.3	40
DB00-155	42.7	.	.	1.0	1.3	29
MPV 5505NRR	42.7	.	.	1.0	1.3	34
Pioneer 95B42	42.5	45.1	37.9	1.3	1.7	43
Willcross RR2542N	42.5	.	.	1.0	1.3	33
NK Brand S50-N3	42.2	42.8	.	1.7	2.0	43
Delta King XTJ55J5	42.2	.	.	2.7	1.3	46
Progeny 5250RR	41.7	47.0	38.9	1.0	2.0	23
545 RCP	41.7	.	.	1.0	2.0	29
USG 7553nRS	40.8	47.6	.	1.0	1.3	36
Terral TVX55RM23	40.5	.	.	2.7	1.3	45
AV52T2NRR	40.3	.	.	1.0	1.7	36
Southern States RT557N	39.8	45.4	39.9	1.3	1.3	46
Progeny 5503RR	39.4	46.7	.	1.0	1.3	29
MPV 5504NRR	39.4	43.5	.	1.3	1.3	33
DB00-141	39.2	.	.	1.0	1.0	31
Armor GP 530	39.1	.	.	1.7	1.0	39
Terral TVX55R403	38.8	.	.	1.3	1.0	35
Garst 5212RR/N	38.5	.	.	1.0	2.3	45
Delta Grow 5555RR	38.0	.	.	2.7	1.0	45
Terral TVX55RL23	37.0	.	.	1.7	1.3	42
Pioneer 95B43	36.7	40.6	35.8	1.0	2.0	43
HBK R5123	35.7	39.5	.	1.7	1.7	42
Grand mean	45.6	.	.	1.4	1.5	37
LSD (5%)	8.6	.	.	0.7	0.8	.
C.V. (%)	11.8	.	.	32.0	31.8	.

¹ The "Late" MG 5 test will not be reported due to poor uniformity.

² Average yield for 2003 and 2004.

³ Average yield for 2002, 2003 and 2004.

⁴ Delsoy 5500 was planted but did not emerge.

Table 6. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 2004¹, Continued.

Soil Series.....	Calloway Silt Loam	
Previous Crop.....	Soybean/Cotton	
Row Width.....	30"	
Fertilizer Applied.....	None	
Lime Applied.....	None	
Planting Date.....	5-25-04	
Herbicide Application.....	64ozs./A Clarity, 10-8-03, 1.5pts./A Treflan, 5-25-04; 0.75pts./A Fusion, 6-8-04; 1.5pts./A Storm, 6-9-04 8ozs./A Select, 7-7-09; 1pt./A Blazer Ultra, 7-7-04	
End Trimming.....	None	
Harvest Dates.....	MG4 Early:	9-14-04
	MG4 Late:	9-20-04
	MG5 Early:	9-27-04
	MG5 Late:	10-6-04

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2004	4.2	6.9	6.2	3.2	0.5	0.2	4.0	25.2
Average	5.4	5.2	3.4	4.0	2.8	4.0	3.0	27.8
Departure	-1.2	+1.7	+2.8	-.8	-2.3	-3.8	+1.0	-2.6

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----						
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>						
Delta King XTJ545	66.5	.	.	1.0	1.0	28
PGY 4604RR	64.6	.	.	1.0	1.0	27
Delta King XTJ501	62.7	.	.	1.0	1.0	29
Terral TVX46R401	62.5	.	.	1.0	1.0	28
Delta King XTJ546	62.1	.	.	1.0	1.0	26
Delta Grow 4840RR	62.0	.	.	1.0	1.0	27
S02-677RR	61.7	.	.	1.0	1.0	31
Terral TVX45RL21	61.6	.	.	1.0	1.0	30
Delta Grow 4630RR	61.4	.	.	1.0	1.0	28
ASGROW AG4502	61.2	61.3	.	1.0	1.0	25
Delta King 4461RR	61.1	61.8	61.3	1.0	1.0	29
USG 7440nRR	61.0	61.5	.	1.0	1.0	27
Pioneer 94B73	60.9	63.7	61.3	1.0	1.0	28
MPV 4705nRR	60.3	.	.	1.0	1.0	26
Genesis C444RR	60.2	.	.	1.0	1.0	25
Dyna Gro 3443NRR	60.1	60.0	57.5	1.0	1.0	28
Morsoy RT4480	59.8	57.3	55.1	1.0	1.0	24
Armor 47-G7	59.7	61.8	59.1	1.0	1.0	26
HBK R4623	59.4	.	.	1.0	1.0	29
DEKALB DKB44-51	59.3	58.8	.	1.0	1.0	28
ASGROW AG4403	59.2	58.6	55.5	1.0	1.0	26
Armor 44-R4	59.1	57.9	54.8	1.0	1.0	29
Delta King XTJ502	58.9	.	.	1.0	1.0	23
Progeny 4401RR	58.6	57.4	53.8	1.0	1.0	28
Deltapine 4331RR	58.5	56.0	.	1.0	1.0	25
465RC	58.2	.	.	1.0	1.0	25
Delta King 4763RR	57.7	58.1	57.6	1.0	1.0	24
Terral TVX45RM21	57.5	.	.	1.0	1.0	29
Terral TVX45RN21	57.5	.	.	1.0	1.0	28
S02-679RR	57.3	.	.	1.0	1.0	30
Golden Harvest H-4749RR	57.1	.	.	1.0	1.0	25
Deltapine 4546RR	57.1	60.3	.	1.0	1.0	24
Morsoy RT4304	57.0	.	.	1.0	1.0	25
PGY 4304RR	56.4	.	.	1.0	1.0	26
USG 7434nRR	56.2	.	.	1.0	1.0	21
Delta King XTJ543	56.1	.	.	1.0	1.0	24
ASGROW AG4603	55.9	56.9	54.1	1.0	1.0	27
Deltapine 4724RR	55.9	56.6	.	1.0	1.0	27
Pioneer 94M70	55.5	62.2	.	1.0	1.0	29
Armor 44-R5	55.5	59.3	.	1.0	1.0	24
ASGROW AG4201	54.2	57.6	55.6	1.0	1.0	21
Progeny 3900RR	54.0	55.3	.	1.0	1.0	25
Delta King XTJ540	53.9	.	.	1.0	1.0	28

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----						
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>						
Progeny 4703RR	53.7	.	.	1.0	1.0	34
435RC	53.6	.	.	1.0	1.0	27
USG 7443nRR	52.9	.	.	1.0	1.0	25
DEKALB DKB46-51	52.3	57.5	.	1.0	1.0	22
AV 46J5NRR	52.3	.	.	1.0	1.0	21
Genesis E434NRR	51.9	.	.	1.0	1.0	29
Dyna Gro 3463NRR	51.8	51.5	.	1.0	1.0	25
Terral TVX44R401	51.3	.	.	1.0	1.0	27
Delta Grow 4340RR	50.7	.	.	1.0	1.0	24
Delta King 4661RR	50.3	52.2	.	1.0	1.0	28
HBK R4023	48.1	.	.	1.0	1.0	25
Delta King 4161RR	47.1	.	.	1.0	1.0	24
Armor 39-E9	46.8	.	.	1.0	1.0	19
NK Brand S43-B1	45.5	55.6	.	1.0	1.0	24
Golden Harvest H-4368RR	42.5	.	.	1.0	1.0	20
Grand mean	56.7	.	.	1.0	1.0	26
LSD (5%)	6.1	.	.	ns	ns	.
C.V. (%)	6.6.	.	.	.	.	.

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
Delta Grow 4970RR	62.5	.	.	9-25	1.0	1.0	30
Terral TVX48RM27	61.3	.	.	9-24	1.0	1.0	30
Progeny 4949RR	61.1	66.4	.	9-24	1.0	1.0	29
495RC	58.3	.	.	9-24	1.0	1.0	28
Terral TVX48RN27	57.8	.	.	9-23	1.0	1.0	30
DT98-9102	57.7	59.9	.	9-25	1.0	1.0	23
Terral TVX48RL27	57.2	.	.	9-24	1.0	1.0	30
Garst 5012RR/N	56.5	52.6	.	9-23	1.0	1.0	20
Progeny 4910	56.4	59.3	59.4	9-24	1.0	1.0	33
ASGROW AG4903	55.9	.	.	9-21	1.0	1.0	24
HBK R4820	54.9	53.6	57.2	9-20	1.0	1.0	27
HBK R4924	54.5	.	.	9-24	1.0	1.0	31
DT98-7278	54.5	.	.	9-24	1.0	1.0	19
Delta King 4868RR	54.2	55.7	56.9	9-21	1.0	1.0	25
Deltapine 4933RR	54.1	52.9	.	9-21	1.0	1.0	30
Southern States RT5001N	53.6	58.0	56.5	9-23	1.0	1.0	27
S02-683RR	53.2	.	.	9-25	1.0	1.0	29
Terral TVX49R302	52.8	.	.	9-22	1.0	1.0	30
Terral TVX48R413	52.6	.	.	9-19	1.0	1.0	27
FFR 4922RR	52.5	58.3	.	9-21	1.0	1.0	27
Dyna Gro SX04349	52.4	.	.	9-20	1.0	1.0	30
Progeny 4860RR	52.3	58.7	.	9-24	1.0	1.0	21
Genesis D491RR	51.9	.	.	9-20	1.0	1.0	27
Southern States RT4902N	51.8	52.7	54.4	9-21	1.0	1.0	30
DT99-17445	51.8	.	.	9-26	1.0	1.0	20
Delta King 4862RR	51.6	54.5	.	9-21	1.0	1.0	33
ESXVT-17RR	51.6	.	.	9-25	1.0	1.0	31
MPV 4905nRR	51.6	.	.	9-22	1.0	1.0	25
Dyna Gro 3484NRR	51.3	.	.	9-21	1.0	1.0	27
Delta Grow 4960RR	51.3	58.3	.	9-23	1.0	1.0	21
Delta King XTJ549	51.2	.	.	9-23	1.0	1.0	28
Terral TV49R12	51.1	53.7	.	9-21	1.0	1.0	31
Delta King 4866RR	51.0	.	.	9-21	1.0	1.0	26
AV 49J7NRR	50.8	.	.	9-21	1.0	1.0	27
Manokin	50.2	51.0	50.8	9-23	1.0	1.0	20
Dyna Gro 3481NRR	50.0	53.3	.	9-21	1.0	1.0	22
USG 7482nRR	49.6	53.8	.	9-20	1.0	1.0	25
PGY 4804RR	49.5	.	.	9-20	1.0	1.0	24
Deltapine X4891RR	49.4	.	.	9-20	1.0	1.0	24
R98-1817	49.3	56.8	59.2	9-24	1.0	1.0	20
MPV 4805nRR	49.0	.	.	9-19	1.0	1.0	26
Delta King XTJ503	48.9	.	.	9-20	1.0	1.0	23
USG 7484nRR	48.9	.	.	9-20	1.0	1.0	25

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Southern States RT5130N	48.8	.	.	9-25	1.0	1.0	19
HBK R4724	48.8	.	.	9-22	1.0	1.0	24
Morsoy RT4993	48.8	50.3	.	9-19	1.0	1.0	23
Pioneer 94M90	48.6	.	.	9-20	1.0	1.0	22
Delta King XTJ54J9	48.4	.	.	9-20	1.0	1.0	28
Delta King 4967RR	48.3	52.9	.	9-19	1.0	1.0	24
USG 7494nRR	48.2	.	.	9-19	1.0	1.0	24
Dyna Gro 36M49	48.1	53.1	.	9-22	1.0	1.0	25
Genesis E484RR	48.1	.	.	9-21	1.0	1.0	26
ASGROW AG4902	47.8	56.8	58.0	9-20	1.0	1.0	24
Delta King XTJ54X9	47.7	.	.	9-21	1.0	1.0	27
Delta Grow 4860RR	47.6	50.6	52.4	9-20	1.0	1.0	25
DT97-4290	47.4	49.9	.	9-22	1.0	1.0	24
Armor GP 474	47.0	50.8	.	9-20	1.0	1.0	25
ASGROW AG4801	46.5	.	.	9-19	1.0	1.0	20
Southern States RT517N	45.4	54.4	53.8	9-25	1.0	1.0	20
USG 7499nRR	44.8	50.1	51.9	9-22	1.0	1.0	27
HBK R4945CX	44.4	.	.	9-20	1.0	1.0	26
NK Brand S49-Q9	44.0	55.8	.	9-23	1.0	1.0	25
Genesis D484RR	42.7	.	.	9-20	1.0	1.0	22
Southern States RT4980	42.4	43.2	47.6	9-22	1.0	1.0	24
Grand mean	51.1	.	.	9-22	1.0	1.0	26
LSD (5%)	6.7	.	.	3	ns	ns	4
C.V. (%)	8.1	.	.	2	.	.	9
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
Delta King 5567RR	59.1	.	.	10-09	1.0	1.0	17
Delta King 55T6	58.8	64.7	.	10-14	1.0	1.0	23
Delta Grow 5555RR	58.8	.	.	10-10	1.0	1.0	24
DB00-087	58.0	.	.	10-02	1.0	1.0	27
MPV 5505NRR	57.8	.	.	10-07	1.0	1.0	22
Terral TVX55RL23	57.7	.	.	10-09	1.0	1.0	26
Delta King 5161RR	57.5	59.7	.	10-07	1.0	1.0	20
545 RCP	57.3	.	.	10-12	1.0	1.0	19
DB00-141	57.2	.	.	10-07	1.0	1.0	20
ESXVT-19RR	57.0	58.4	.	10-11	1.0	1.0	28
HBK R5123	56.9	60.8	.	10-03	1.0	1.0	32
Teejay	56.7	63.2	.	10-01	1.0	1.0	20
USG 540nRR	56.6	62.5	59.4	10-07	1.0	1.0	22
ASGROW A5427	56.4	64.9	.	10-07	1.0	1.0	18
Golden Harvest H-5492RR	56.4	59.8	58.1	10-10	1.0	1.0	21

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Genesis D524RR	56.4	.	.	10-12	1.0	1.0	21
ASGROW AG5301	56.3	61.8	60.2	10-05	1.0	1.0	25
USG 7553nRS	56.2	58.1	.	10-08	1.0	1.0	22
ASGROW AG5501	55.8	63.9	62.9	10-09	1.0	1.0	18
Delta King XTJ504	55.7	.	.	10-06	1.0	1.0	22
HBK R5324	55.4	.	.	10-01	1.0	1.0	18
FFR 5033RR	55.3	.	.	10-02	1.0	1.0	18
Southern States RT557N	55.2	61.4	60.0	10-04	1.0	1.0	30
S02-611RR	55.2	.	.	10-02	1.0	1.0	30
Southern States RT5540N	55.1	.	.	10-06	1.0	1.0	28
Hutcheson	55.1	60.9	60.0	10-10	1.0	1.0	17
Morsoy RT5553	55.1	57.1	.	10-08	1.0	1.0	25
Delta King XTJ55J5	54.9	.	.	10-09	1.0	1.0	26
HBK R5524	54.8	.	.	10-09	1.0	1.0	24
Deltapine 5414RR	54.7	60.6	59.2	10-05	1.0	1.0	23
DB00-155	54.5	.	.	10-07	1.0	1.0	19
AV52T2NRR	54.4	.	.	10-07	1.0	1.0	24
Terral TVX55RM23	54.4	.	.	10-09	1.0	1.0	24
FFR 5225RR	54.3	58.0	57.3	10-04	1.0	1.0	25
Delta King 5366RR	54.2	53.4	56.1	10-10	1.0	1.0	26
AV50J6NRR	54.2	.	.	10-01	1.0	1.0	22
USG 7514nRR	54.1	.	.	10-02	1.0	1.0	21
DEKALB DKB54-52	53.8	.	.	10-08	1.0	1.0	23
Armor GP 513	53.8	55.4	.	10-05	1.0	1.0	23
USG 5002T	53.8	54.1	.	10-02	1.0	1.0	18
Progeny 5503RR	53.7	55.7	.	10-09	1.0	1.0	23
Progeny 5250RR	53.2	60.1	58.1	10-11	1.0	1.0	19
Willcross RR2542N	52.6	.	.	10-06	1.0	1.0	21
Delta King XTJ505	52.5	.	.	10-11	1.0	1.0	21
Morsoy RT5252	52.5	61.0	60.4	10-11	1.0	1.0	20
Delta Grow 5260RR	52.4	60.4	.	10-02	1.0	1.0	22
Dyna Gro 3535NRR	52.3	51.7	55.6	10-11	1.0	1.0	22
Pioneer 95B42	52.1	56.7	57.7	10-04	1.0	1.0	27
MPV 5504NRR	52.1	59.2	.	10-09	1.0	1.0	22
Terral TVX55RN23	52.1	.	.	10-10	1.0	1.0	24
Delta Grow 5460RR	52.0	56.0	.	10-08	1.0	1.0	20
PGY 5404RR	52.0	.	.	10-10	1.0	1.0	23
Dyna Gro 33B52	51.7	57.4	.	10-06	1.0	1.0	22
HBK R5224	51.3	.	.	10-07	1.0	1.0	18
Armor GP 530	51.3	.	.	10-07	1.0	1.0	26
Garst 5212RR/N	51.2	.	.	10-06	1.0	1.0	23
Pioneer 95B32	51.0	51.7	54.6	10-04	1.0	1.0	17
Ozark	51.0	60.9	61.3	10-03	1.0	1.0	20

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
HBK R5424S	50.9	.	.	10-02	1.0	1.0	20
Delsoy 5500	50.9	56.2	56.3	10-07	1.0	1.0	21
Pioneer 95B43	50.5	59.6	59.9	10-05	1.0	1.0	24
HBK R5422	50.5	57.0	56.0	10-05	1.0	1.0	23
Terral TVX52R301	50.5	.	.	10-06	1.0	1.0	17
Southern States RT5302N	50.4	57.4	.	10-04	1.0	1.0	19
Terral TVX55R403	50.1	.	.	10-08	1.0	1.0	20
NK Brand S52-U3	50.0	59.8	60.3	10-04	1.0	1.0	20
Armor 53-K3	49.1	57.2	57.3	10-09	1.0	1.0	17
Golden Harvest H-5053RR	47.9	.	.	9-30	1.0	1.0	26
Delta King XTJ554	47.9	.	.	10-01	1.0	1.0	19
Morsoy RT5204	47.3	.	.	10-03	1.0	1.0	20
NK Brand S50-N3	46.3	56.1	.	10-05	1.0	1.0	21
Grand mean	53.7	.	.	10-06	1.0	1.0	22
LSD (5%)	6.4	.	.	3	ns	ns	.
C.V. (%)	7.4	.	.	2	.	.	.
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>							
Dyna Gro DGX530	57.1	.	.	10-09	1.0	1.0	27
DEKALB DKB57-51	55.3	59.3	.	10-09	1.0	1.0	26
Terral TV57R14	55.0	59.0	.	10-12	1.0	1.0	24
Delta King 5870	53.9	.	.	10-10	1.0	1.0	22
Progeny 5822RR	53.9	63.3	63.0	10-14	1.0	1.0	20
HBK C5894	53.6	.	.	10-10	1.0	1.0	25
ASGROW AG5903	53.1	57.3	61.2	10-13	1.0	1.0	23
Freedom	53.1	59.9	.	10-09	1.0	1.0	22
Armor 58-V8	52.9	58.7	.	10-13	1.0	1.0	20
Dyna Gro SX04259	52.7	.	.	10-09	1.0	1.0	22
USG 7562nRR	52.5	53.1	.	10-12	1.0	1.0	25
Progeny 5703RR	52.5	57.5	.	10-09	1.0	1.0	23
Garst 5924RR/N	52.1	.	.	10-14	1.0	1.0	23
PGY 5770	52.0	.	.	10-12	1.0	1.0	20
Delta King 5767RR	51.9	58.2	57.6	10-11	1.0	1.0	23
Deltapine 5806RR	51.7	57.5	56.6	10-13	1.0	1.0	24
Southern States RT5730N	51.5	.	.	10-08	1.0	1.0	21
NK Brand S56-D7	51.1	.	.	10-09	1.0	1.0	21
USG 5601T	51.1	62.5	62.7	10-11	1.0	1.0	18
Morsoy RT5773	51.1	56.7	.	10-11	1.0	1.0	22
Delta Grow 5610RR	50.8	.	.	10-09	1.0	1.0	18
Delta Grow 5960RR	50.7	61.2	62.5	10-13	1.0	1.0	20
ASGROW AG5905	50.6	.	.	10-11	1.0	1.0	23

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
HBK R5924	50.5	.	.	10-12	1.0	1.0	27
Delta Grow 5650RR	50.4	58.2	.	10-09	1.0	1.0	21
DEKALB DKB58-51	50.2	.	.	10-09	1.0	1.0	23
Dyna Gro 38K57	50.2	56.8	.	10-13	1.0	1.0	23
Delta King XTJ506	50.2	.	.	10-13	1.0	1.0	22
Terral TV58R12	50.2	55.0	.	10-11	1.0	1.0	28
R97-1634	49.9	57.5	.	10-11	1.0	1.0	18
Deltapine 5915RR	49.7	60.5	62.2	10-14	1.0	1.0	24
Terral TVX57R408	49.7	.	.	10-07	1.0	1.0	19
Pioneer 95B96	49.5	61.0	60.2	10-15	1.0	1.0	20
Delta King 5995	49.4	57.7	59.1	10-13	1.0	1.0	21
Delta King XTJ5K57	49.4	.	.	10-09	1.0	1.0	22
Terral TV59R14	49.4	60.4	.	10-14	1.0	1.0	20
NK Brand S57-P1	49.3	58.1	.	10-08	1.0	1.0	21
PGY 5622RR	49.2	.	.	10-12	1.0	1.0	20
Morsoy RT5903	49.1	60.0	.	10-11	1.0	1.0	24
Deltapine X5808RR	49.0	.	.	10-11	1.0	1.0	24
Caviness	49.0	52.9	54.6	10-09	1.0	1.0	19
PGY 5714RR	48.8	.	.	10-09	1.0	1.0	29
ESXVT-41RR	48.5	55.6	.	10-11	1.0	1.0	27
Terral TVX56R405	48.5	.	.	10-11	1.0	1.0	17
Dyna Gro SX04358	48.4	.	.	10-09	1.0	1.0	25
Garst 5812RR/N	48.3	53.1	.	10-13	1.0	1.0	21
HBK R5624	48.1	.	.	10-08	1.0	1.0	20
USG 7582nRR	48.0	60.8	59.9	10-15	1.0	1.0	18
Pioneer 95M80	47.7	.	.	10-13	1.0	1.0	20
ESXVT-46RR	47.3	57.3	.	10-10	1.0	1.0	24
Morsoy RT5620	47.2	53.1	55.8	10-12	1.0	1.0	20
Southern States RT5602N	46.9	56.9	.	10-11	1.0	1.0	23
Deltapine 114605RR	46.9	.	.	10-09	1.0	1.0	17
ASGROW AG5605	46.8	52.9	.	10-08	1.0	1.0	18
Dyna Gro 3583NRR	46.8	57.1	57.6	10-12	1.0	1.0	21
Southern States RT5702N	46.7	.	.	10-10	1.0	1.0	23
Terral TV56R12	46.7	51.2	.	10-09	1.0	1.0	24
Dyna Gro 3562NRR	46.6	51.9	54.3	10-12	1.0	1.0	24
Armor 56-J6	46.5	50.7	55.0	10-12	1.0	1.0	21
Delta King 5668RR	46.5	51.5	56.3	10-12	1.0	1.0	23
Delta King 5967RR	46.4	58.2	.	10-14	1.0	1.0	20
FFR 5663RR	46.2	.	.	10-07	1.0	1.0	19
Terral TV56R11	45.6	51.7	53.8	10-14	1.0	1.0	23
Southern States RT5999N	45.5	.	.	10-11	1.0	1.0	23
HBK R5620	45.4	48.9	52.9	10-11	1.0	1.0	22
ESXVT-34RR	45.0	.	.	10-15	1.0	1.0	29

Table 7. Performance of Irrigated Soybean Cultivars, Rice Research and Extension Center, Stuttgart, AR, 2004¹, Continued.

Brand/Cultivar	2004	2-Year ² Avg.	3-Year ³ Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
Dyna Gro SX04557	44.8	.	.	10-09	1.0	1.0	20
Progeny 5660RR	44.8	48.9	52.3	10-13	1.0	1.0	23
Deltapine 5634RR	43.2	53.1	.	10-09	1.0	1.0	21
Delta Grow 5630RR	42.2	47.8	52.1	10-15	1.0	1.0	20
Anand	39.7	47.0	51.4	10-13	1.0	1.0	17
Grand mean	49.2	.	.	10-11	1.0	1.0	22
LSD (5%)	5.2	.	.	2	ns	ns	.
C.V. (%)	6.6	.	.	1	.	.	.

¹ The Maturity Group V tests at this location were first planted on May 24, but an error during planting caused the tests to be unusable. These results are from replanting on June 10.

² Average yield for 2003 and 2004.

³ Average yield for 2002, 2003 and 2004.

Soil Series..... Crowley Silt Loam
 Previous Crop..... Rice
 Row Width..... 32"
 Fertilizer Applied..... 0-45-90, 5-24-04
 Lime Applied..... None
 Planting Date..... MG4 5-24-04; MG5 6-10-04
 Herbicide Application..... 1.33pts./A Dual II Mag, 2ozs./A Septor, 5-24-04; 8ozs./A Select 7-8-04; 1pt./A Flexstar, 7-10-04
 Irrigation Dates..... 7-16-04, 7-26-04, 8-12-04, 8-30-04, 9-14-04
 End Trimming..... None
 Harvest Dates..... MG4 Early: 9-30-04
 MG4 Late: 9-30-04
 MG5 Early: 10-30-04
 MG5 Late: 10-30-04

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2004	5.2	6.0	6.4	3.6	1.7	.02	5.7	28.6
Average	5.6	4.7	3.6	3.4	2.8	4.1	2.7	26.9
Departure	-.4	+1.3	+2.8	+.2	-1.1	-4.1	+3.	+1.7

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
Delta Grow 4840RR	78.4	.	.	9-04	1.0	1.0	31
Pioneer 94B73	77.8	62.7	64.7	9-01	1.0	1.0	30
Delta King XTJ501	75.5	.	.	9-03	1.0	1.0	33
S02-677RR	74.4	.	.	9-06	1.0	1.0	36
USG 7440nRR	74.3	63.2	.	9-02	1.0	1.0	29
Golden Harvest H-4749RR	73.4	.	.	9-05	1.0	1.0	27
Delta King 4461RR	72.3	60.5	63.0	9-04	1.0	1.0	35
Dyna Gro 3443NRR	72.2	60.5	61.5	9-02	1.0	1.0	32
Armor 44-R4	72.1	61.3	60.9	8-31	1.0	1.0	32
ESXT-4711	71.6	.	.	9-03	1.3	1.0	34
Progeny 4401RR	71.0	59.7	60.4	9-02	1.0	1.0	24
Terral TVX45RN21	71.0	.	.	8-31	1.7	1.0	35
Deltapine 4331RR	70.4	61.3	.	8-31	1.0	1.0	30
Pioneer 94M70	70.1	59.3	.	8-31	1.0	1.0	29
Garst 4612RR/N	70.0	61.2	.	9-01	1.3	1.0	32
HBK R4023	69.5	.	.	8-28	1.7	1.0	32
DEKALB DKB46-51	69.3	60.1	.	9-01	1.0	1.0	26
Genesis C444RR	68.8	.	.	9-01	1.0	1.0	26
Armor 47-G7	68.3	58.3	61.8	9-01	1.0	1.0	23
DEKALB DKB44-51	68.2	57.5	.	8-31	1.0	1.0	30
ASGROW AG4403	68.2	60.0	61.6	8-31	1.0	1.0	28
ASGROW AG4502	67.8	58.1	.	8-31	1.0	1.0	29
USG 7434nRR	67.6	.	.	9-01	1.0	1.0	18
Delta King XTJ545	66.7	.	.	9-02	1.0	1.0	27
Terral TVX45RL21	66.3	.	.	8-30	1.3	1.0	35
PGY 4604RR	66.1	.	.	9-07	1.0	1.0	32
MPV 4705nRR	65.7	.	.	9-02	1.0	1.0	29
Deltapine 4546RR	65.4	54.5	.	9-01	1.3	1.0	29
HBK R4623	64.8	.	.	8-31	1.3	1.0	33
Deltapine 4724RR	64.7	59.8	.	9-03	1.0	1.0	27
Terral TVX45RM21	64.7	.	.	8-31	1.3	1.0	39
Morsoy RT4480	64.6	58.2	60.1	9-02	1.0	1.0	33
S02-679RR	64.4	.	.	9-01	1.0	1.0	26
Delta King 4661RR	64.3	58.7	.	9-02	1.3	1.0	33
Delta Grow 4630RR	63.6	.	.	9-05	1.0	1.0	18
Progeny 4703RR	63.2	.	.	9-07	1.3	1.0	36
Dyna Gro 3463NRR	63.1	54.5	.	8-29	1.0	1.0	32
ASGROW AG4201	62.9	56.3	59.1	8-29	1.0	1.0	23
Progeny 3900RR	62.7	54.7	.	8-26	1.0	1.0	25
Delta King 4763RR	62.0	58.3	61.9	9-01	1.0	1.0	25
Delta King XTJ546	61.8	.	.	9-06	1.0	1.0	35
Terral TVX46R401	61.8	.	.	9-03	1.0	1.0	31
Delta King XTJ502	61.3	.	.	8-30	1.0	1.0	26

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>							
465RC	60.6	.	.	9-02	1.0	1.0	28
ARX B43104	60.5	.	.	8-26	1.0	1.0	21
AV 46J5NRR	60.4	.	.	9-02	1.0	1.0	25
PGY 4304RR	59.9	.	.	8-26	1.0	1.0	24
Terral TVX44R401	59.4	.	.	8-25	1.0	1.0	21
Delta King XTJ540	58.1	.	.	8-31	1.0	1.0	29
435RC	55.6	.	.	8-31	1.0	1.0	30
ASGROW AG4603	55.5	51.2	55.0	9-03	1.0	1.0	28
USG 7443nRR	55.1	.	.	8-27	1.0	1.0	25
Delta King XTJ543	52.8	.	.	8-26	1.0	1.0	22
NK Brand S43-B1	52.1	49.7	.	8-27	1.0	1.0	27
Morsoy RT4304	51.6	.	.	8-28	1.0	1.0	24
Armor 39-E9	51.0	.	.	8-26	1.0	1.0	21
Armor 44-R5	50.8	51.3	58.8	9-01	1.0	1.0	22
Golden Harvest H-4368RR	49.6	.	.	8-29	1.0	1.0	21
Delta Grow 4340RR	48.8	.	.	8-26	1.0	1.0	22
Delta King 4161RR	48.4	.	.	8-28	1.0	1.0	26
Genesis E434NRR	45.6	.	.	8-26	1.0	1.0	21
Grand mean	63.9	.	.	8-31	1.1	1.0	28
LSD (5%)	8.8	.	.	3	0.4	ns	.
C.V. (%)	8.6	.	.	3	22.5	.	.
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
Terral TVX48R413	73.0	.	.	9-05	1.0	1.0	28
ASGROW AG4903	72.7	.	.	9-10	1.0	1.0	28
Genesis E484RR	72.3	.	.	9-06	1.3	1.0	29
Delta Grow 4970RR	71.5	.	.	9-10	1.0	1.0	32
DT98-9102	69.1	56.3	58.9	9-13	1.0	1.0	19
Terral TVX48RL27	69.1	.	.	9-10	1.0	1.0	30
USG 7494nRR	68.9	.	.	9-05	1.0	1.0	29
S00-9925-10	67.7	.	.	9-13	1.0	1.0	15
Garst 4999RR/N	67.4	.	.	9-11	1.0	1.0	32
MPV 4805nRR	66.9	.	.	9-05	1.0	1.0	29
HBK R4820	66.1	56.9	59.3	9-05	1.0	1.0	29
PGY 4804RR	64.7	.	.	9-06	1.3	1.0	26
Morsoy RT4993	64.6	61.7	.	9-06	1.0	1.0	31
Manokin	63.8	56.0	56.8	9-13	1.0	1.0	15
DT98-7278	63.4	.	.	9-12	1.0	1.0	15
Deltapine X4891RR	63.2	.	.	9-05	1.0	1.0	27
AV 49J7NRR	62.5	.	.	9-06	1.0	1.0	26
ESXVT-17RR	62.3	.	.	9-13	1.3	1.0	36

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Armor 49-T3	61.7	.	.	9-07	1.0	1.0	24
USG 7484nRR	61.3	.	.	9-06	1.3	1.0	26
Delta King 4866RR	61.2	.	.	9-06	1.0	1.0	24
Garst 5012RR/N	60.8	.	.	9-11	1.0	1.0	22
Progeny 4949RR	60.6	58.0	.	9-10	1.0	1.0	37
DT97-4290	60.5	58.8	.	9-08	1.0	1.0	28
R98-1817	60.4	56.5	62.0	9-13	1.0	1.0	18
Progeny 4910	60.4	58.0	59.5	9-12	1.0	1.0	36
495RC	60.4	.	.	9-09	1.0	1.0	28
MPV 4905nRR	60.3	.	.	9-07	1.0	1.0	27
Terral TVX48RM27	60.1	.	.	9-10	1.0	1.0	30
S02-683RR	60.0	.	.	9-10	1.0	1.0	35
Garst XR48N20	60.0	.	.	9-06	1.7	1.0	27
Genesis D484RR	59.7	.	.	9-03	1.0	1.0	26
Dyna Gro 36M49	59.6	57.8	.	9-06	1.0	1.0	28
Southern States RT4980	59.1	51.7	54.7	9-07	1.0	1.0	27
Delta Grow 4860RR	59.0	53.0	57.6	9-03	1.0	1.0	27
Armor GP 474	58.9	57.0	.	9-06	1.0	1.0	28
DT99-17445	58.9	46.3	.	9-10	1.0	1.0	20
HBK R4924	58.8	.	.	9-13	1.0	1.0	31
Armor GP 499	57.5	.	.	9-10	1.0	1.0	31
Pioneer 94M90	57.4	.	.	9-07	1.0	1.0	20
Terral TV49R12	57.4	54.2	.	9-10	1.0	1.0	36
Delta Grow 4960RR	57.2	52.8	.	9-10	1.0	1.0	18
Delta King 4967RR	57.0	53.5	.	9-03	1.0	1.0	26
Terral TVX48RN27	56.8	.	.	9-10	1.0	1.0	31
HBK R4724	55.6	.	.	9-09	1.0	1.0	27
Deltapine 4933RR	55.5	52.4	53.9	9-09	1.0	1.0	33
Delta King XTJ503	54.9	.	.	9-03	1.0	1.0	24
Dyna Gro 3481NRR	54.7	55.5	.	9-03	1.0	1.0	26
Dyna Gro SX04349	54.2	.	.	9-09	1.0	1.0	34
Genesis D491RR	54.2	.	.	9-05	1.0	1.0	29
ASGROW AG4902	53.7	47.0	51.1	9-03	1.0	1.0	29
RJ97-500	53.5	.	.	9-13	1.0	1.0	16
Delta King XTJ54J9	53.3	.	.	9-09	1.0	1.0	31
Delta King 4868RR	53.1	56.2	60.5	9-04	1.0	1.0	30
Terral TVX49R302	53.0	.	.	9-09	1.0	1.0	30
Southern States RT5130N	52.9	.	.	9-09	1.0	1.0	19
Southern States RT517N	52.6	49.5	54.1	9-10	1.0	1.0	21
Delta King XTJ549	52.0	.	.	9-10	1.0	1.0	31
NK Brand S49-Q9	51.8	49.8	.	9-11	1.0	1.0	28
ASGROW AG4801	51.5	.	.	9-03	1.0	1.0	24
Southern States RT5001N	51.0	48.3	49.6	9-10	1.0	1.0	21

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>							
Progeny 4860RR	50.8	52.1	.	9-09	1.0	1.0	16
Delta King 4862RR	50.7	52.7	.	9-10	1.0	1.0	33
Southern States RT4902N	50.5	50.4	52.9	9-10	1.0	1.0	33
USG 7482nRR	49.5	50.5	.	9-03	1.0	1.0	27
USG 7499nRR	49.4	48.0	50.4	9-04	1.0	1.0	26
Garst D484RR/N	48.3	46.1	49.6	9-05	1.0	1.0	27
Delta King XTJ54X9	46.6	.	.	9-03	1.0	1.0	31
FFR 4922RR	43.0	44.1	.	9-10	1.0	1.0	36
HBK R4945CX	42.2	.	.	9-03	1.0	1.0	27
Dyna Gro 3484NRR	41.2	.	.	9-03	1.0	1.0	27
Grand mean	58.2	.	.	9-08	1.0	1.0	27
LSD (5%)	12.1	.	.	2	0.3	ns	.
C.V. (%)	13.0	.	.	2	18.9	.	.
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)</u>							
Delta King 5161RR	79.2	69.4	.	9-23	1.0	1.0	22
Armor GP 513	78.1	67.2	.	9-22	1.0	1.0	19
Dyna Gro 33B52	74.8	66.2	.	9-22	1.0	1.0	20
Armor GP 530	74.6	.	.	9-21	1.0	1.0	33
S00-9970-09	73.4	.	.	9-21	1.0	1.0	18
Delta King XTJ505	73.3	.	.	9-28	1.0	1.0	26
DB00-087	72.9	.	.	9-22	1.0	1.0	24
Delta King 55T6	72.4	68.1	.	9-29	1.0	1.0	24
Garst 5225RR	71.5	.	.	9-21	1.0	1.0	19
ESXT-5450	70.8	.	.	9-28	1.0	1.0	18
DEKALB DKB54-52	69.9	.	.	9-21	1.0	1.0	19
Delta King 5366RR	69.9	63.4	68.8	9-26	1.0	1.0	21
Delta King XTJ55J5	69.9	.	.	9-24	1.0	1.0	20
Dyna Gro 3535NRR	69.8	61.3	66.6	9-26	1.0	1.0	21
Hutcheson	69.6	63.3	63.8	9-25	1.0	1.0	21
S00-9970-08	69.6	.	.	9-23	1.0	1.0	19
Delta King 5567RR	69.5	.	.	9-26	1.0	1.0	18
HBK R5524	68.9	.	.	9-24	1.0	1.0	23
ARX E57104	68.9	.	.	9-23	1.0	1.0	19
USG 540nRR	68.1	60.5	64.9	9-28	1.0	1.0	20
Terral TVX55RL23	67.4	.	.	9-24	1.0	1.0	24
S02-611RR	67.2	.	.	9-20	1.0	1.0	21
ESXVT-19RR	67.2	61.2	.	9-28	1.0	1.0	20
Delta Grow 5260RR	66.9	62.3	.	9-20	1.0	1.0	21
AV52T2NRR	66.7	.	.	9-21	1.0	1.0	19
Southern States RT5540N	66.2	.	.	9-23	1.0	1.0	27

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
DB00-141	66.2	.	.	9-23	1.0	1.0	23
Genesis D524RR	66.1	.	.	9-21	1.0	1.0	17
Delta King XTJ504	65.2	.	.	9-21	1.0	1.0	19
MPV 5504NRR	65.2	58.8	.	9-22	1.0	1.0	25
Deltapine 5414RR	65.1	59.4	63.0	9-20	1.0	1.0	24
HBK R5123	65.0	59.7	.	9-18	2.0	1.0	35
USG 5002T	64.7	61.7	.	9-17	1.0	1.0	14
PGY 5404RR	63.9	.	.	9-24	1.0	1.0	18
Teejay	63.8	59.7	.	9-19	1.0	1.0	17
Terral TVX55RM23	63.4	.	.	9-25	1.0	1.0	23
Terral TVX55RN23	63.3	.	.	9-25	1.0	1.0	23
Terral TVX55R403	63.3	.	.	9-23	1.0	1.0	20
Golden Harvest H-5053RR	63.2	.	.	9-10	1.3	1.0	29
Pioneer 95B43	63.0	59.4	60.5	9-20	1.0	1.0	18
Delta Grow 5555RR	63.0	.	.	9-24	1.0	1.0	24
ASGROW AG5501	62.7	60.8	61.8	9-23	1.0	1.0	22
DB00-155	62.2	.	.	9-20	1.0	1.0	18
NK Brand S52-U3	62.0	56.5	60.1	9-21	1.0	1.0	14
Ozark	61.2	61.4	64.3	9-21	1.0	1.0	24
NK Brand S50-N3	60.8	56.5	.	9-12	1.7	1.0	33
AV50J6NRR	60.5	.	.	9-10	1.0	1.0	17
Delsoy 5500	60.0	56.0	56.6	9-19	1.0	1.0	20
Armor 54-03	60.0	.	.	9-23	1.0	1.0	17
HBK R5422	59.7	55.5	57.1	9-21	1.0	1.0	22
FFR 5225RR	59.7	55.2	58.9	9-20	1.0	1.0	18
Morsoy RT5204	59.7	.	.	9-20	1.0	1.0	20
ASGROW AG5301	59.2	56.5	60.2	9-21	1.0	1.0	20
FFR 5033RR	59.0	.	.	9-11	1.0	1.0	19
Morsoy RT5252	58.8	57.7	60.6	9-18	1.0	1.0	14
Garst 5212RR/N	58.7	56.8	.	9-20	1.0	1.0	22
Terral TVX52R301	58.3	.	.	9-19	1.0	1.0	18
Southern States RT557N	57.8	52.3	53.9	9-20	1.0	1.0	21
Delta Grow 5460RR	57.8	56.0	.	9-20	1.0	1.0	16
Southern States RT5302N	57.5	54.4	.	9-20	1.0	1.0	20
Progeny 5503RR	57.1	58.9	.	9-21	1.0	1.0	17
545 RCP	56.6	.	.	9-20	1.0	1.0	18
HBK R5324	56.5	.	.	9-18	1.0	1.0	17
USG 7514nRR	56.1	.	.	9-21	1.0	1.0	18
MPV 5505NRR	55.8	.	.	9-22	1.0	1.0	18
Croplan RC5555	54.9	56.2	.	9-22	1.0	1.0	23
Progeny 5250RR	54.6	56.1	59.5	9-20	1.0	1.0	16
HBK R5424S	53.7	.	.	9-16	1.0	1.0	15
Willcross RR2542N	53.7	.	.	9-19	1.0	1.0	16

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>							
Pioneer 95B42	53.6	50.9	55.6	9-19	1.0	1.0	18
Pioneer 95B32	53.0	52.1	55.1	9-18	1.0	1.0	16
ASGROW A5427	52.7	54.3	.	9-18	1.0	1.0	14
Morsoy RT5553	52.3	52.5	.	9-23	1.0	1.0	21
ARX E54104	52.1	.	.	9-18	1.0	1.0	15
Delta King XTJ554	51.6	.	.	9-16	1.0	1.0	17
ARX D52104	49.6	.	.	9-18	1.0	1.0	17
HBK R5224	49.4	.	.	9-22	1.0	1.0	17
Golden Harvest H-5492RR	48.3	51.3	54.8	9-24	1.0	1.0	18
USG 7553nRS	47.3	51.0	.	9-20	1.0	1.0	16
Armor 53-K3	45.9	50.4	54.0	9-25	1.0	1.0	15
Grand mean	62.4	.	.	9-21	1.0	1.0	20
LSD (5%)	8.8	.	.	2	0.1	ns	.
C.V. (%)	8.8	.	.	2	8.9	.	.
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>							
Delta King 5870	77.3	.	.	9-26	1.0	1.0	24
Freedom	77.2	61.3	.	9-27	1.0	1.0	21
Dyna Gro DGX530	76.5	.	.	9-28	1.0	1.0	26
Morsoy RT5620	76.2	66.3	67.4	9-28	1.0	1.0	20
Dyna Gro SX04259	73.6	.	.	9-24	1.0	1.0	17
Dyna Gro 3562NRR	73.1	62.4	63.6	9-29	1.0	1.0	21
Delta King XTJ5K57	72.6	.	.	9-23	1.0	1.0	21
HBK C5894	72.4	.	.	9-25	1.0	1.0	26
Morsoy RT5773	72.3	63.7	.	9-25	1.0	1.0	20
Armor 58-V8	72.2	65.0	.	10-01	1.0	1.0	20
Delta King 5967RR	72.1	63.8	.	9-30	1.0	1.0	22
Deltapine 5806RR	71.9	63.8	61.6	9-30	1.0	1.0	22
Deltapine 114605RR	71.2	.	.	9-23	1.0	1.0	16
PGY 5622RR	70.0	.	.	10-01	1.0	1.0	19
HBK R5924	69.7	.	.	10-01	1.0	1.0	20
Delta Grow 5650RR	69.6	62.4	.	9-25	1.0	1.0	19
RJ97-555	69.5	.	.	9-26	1.0	1.0	21
R97-1634	69.4	64.2	.	9-27	1.0	1.0	16
Terral TV57R14	69.3	61.0	.	9-25	1.0	1.0	22
PGY 5770	68.7	.	.	9-28	1.0	1.0	18
Delta King XTJ506	68.5	.	.	10-01	1.0	1.0	20
Delta Grow 5960RR	68.2	63.6	67.1	10-01	1.0	1.0	21
DEKALB DKB58-51	68.0	.	.	9-23	1.0	1.0	19
Deltapine 5634RR	68.0	62.2	.	9-23	1.0	1.0	21
PGY 5714RR	67.9	.	.	9-24	1.0	1.0	22

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
Delta King 5668RR	67.8	63.8	63.3	9-27	1.0	1.0	22
Terral TVX56R405	67.8	.	.	9-27	1.0	1.0	18
HBK R5620	67.7	62.2	64.0	9-28	1.0	1.0	22
Progeny 5660RR	67.5	61.9	65.5	9-26	1.0	1.0	22
Armor 56-J6	67.1	62.4	64.2	9-28	1.0	1.0	20
ESXVT-46RR	67.0	61.2	.	10-01	1.0	1.0	21
Croplan RC5972	67.0	62.6	64.3	10-01	1.0	1.0	21
Dyna Gro 38K57	66.8	58.9	.	9-23	1.0	1.0	21
Garst 5924RR/N	66.6	.	.	10-01	1.0	1.0	18
USG 7582nRR	66.6	64.1	66.9	10-01	1.0	1.0	20
NK Brand S56-D7	66.2	.	.	9-23	1.0	1.0	19
USG 7562nRR	66.1	60.4	.	9-28	1.0	1.0	17
ASGROW AG5905	65.6	.	.	9-26	1.0	1.0	23
ASGROW AG5903	65.5	58.6	61.2	9-29	1.0	1.0	19
ESXVT-34RR	65.4	.	.	10-04	1.0	1.0	25
Progeny 5822RR	65.1	62.4	64.7	9-30	1.0	1.0	18
FFR 5663RR	64.9	.	.	9-23	1.0	1.0	19
DEKALB DKB57-51	64.7	60.4	.	9-23	1.0	1.0	21
Terral TV56R12	64.2	60.0	.	9-22	1.0	1.0	23
Delta Grow 5610RR	63.9	.	.	9-23	1.0	1.0	17
Dyna Gro SX04358	63.8	.	.	9-24	1.0	1.0	23
Terral TV59R14	63.8	62.3	.	9-30	1.0	1.0	18
Terral TV58R12	63.8	58.0	.	9-30	1.0	1.0	24
Delta King 5995	63.5	62.6	64.7	9-27	1.0	1.0	20
ESXVT-41RR	62.8	58.1	.	10-01	1.0	1.0	24
Pioneer 95M80	62.6	.	.	9-23	1.0	1.0	17
Morsoy RT5903	62.2	62.1	.	9-30	1.0	1.0	17
Deltapine 5915RR	61.9	61.3	63.6	9-30	1.0	1.0	19
Anand	61.3	61.2	66.8	9-25	1.0	1.0	14
Terral TVX57R408	61.3	.	.	9-22	1.0	1.0	18
Garst XRS56N20	61.1	.	.	9-21	1.0	1.0	16
Southern States RT5702N	60.7	56.5	56.8	9-22	1.0	1.0	25
Deltapine X5808RR	60.5	.	.	9-24	1.0	1.0	19
Pioneer 95B96	60.4	55.9	57.2	9-28	1.0	1.0	19
Dyna Gro 3583NRR	60.4	56.2	60.7	10-01	1.0	1.0	24
HBK R5624	60.3	.	.	9-21	1.0	1.0	16
Progeny 5703RR	60.2	56.7	.	9-25	1.0	1.0	19
Terral TV56R11	59.9	57.6	61.0	9-28	1.0	1.0	23
Delta Grow 5630RR	59.6	60.2	62.4	9-27	1.0	1.0	23
ASGROW AG5605	59.3	58.9	.	9-21	1.0	1.0	16
Garst 5812RR/N	59.2	56.3	.	9-27	1.0	1.0	24
Delta King 5767RR	58.3	58.0	59.7	9-23	1.0	1.0	20
USG 5601T	57.4	57.7	59.7	9-26	1.0	1.0	17

Table 8. Performance of Irrigated Soybean Cultivars, Southeast Research and Extension Center, Rohwer, AR, 2004, Continued.

Brand/Cultivar	2004	2-Year ¹ Avg.	3-Year ² Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
-----bu./A-----							
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>							
NK Brand S57-P1	55.7	55.2	.	9-21	1.0	1.0	16
Southern States RT5730N	54.9	.	.	9-22	1.0	1.0	16
Southern States RT5999N	54.1	54.0	.	9-25	1.0	1.0	22
Caviness	52.6	49.5	53.4	9-21	1.0	1.0	17
Dyna Gro SX04557	51.5	.	.	9-23	1.0	1.0	17
Southern States RT5602N	48.4	50.0	.	9-20	1.0	1.0	14
Grand mean	65.3	.	.	9-26	1.0	1.0	20
LSD (5%)	10.0	.	.	2	ns	ns	.
C.V. (%)	9.5	.	.	2	.	.	.

¹ Average yield for 2003 and 2004.

² Average yield for 2002, 2003 and 2004.

Soil Series..... Sharkey clay
 Previous Crop..... Soybean
 Row Width..... 19"
 Fertilizer Applied..... None
 Lime Applied..... None
 Planting Date..... 5-7-04
 Herbicide Application..... 1.4ozs./A Septor, 2pts./A Prowl, 4-23-04; 1.5pts./A Flexstar, 8ozs./A Select, 6-7-04; 8ozs./A Select, 7-10-04
 Irrigation Dates..... 7-13-04, 7-29-04, 8-10-04, 8-24-04
 End Trimming..... Near maturity
 Harvest Dates..... MG4 Early: 9-13-04
 MG4 Late: 9-20-04
 MG5 Early: 10-7-04
 MG5 Late: 10-7-04

Precipitation (inches)

	April	May	June	July	August	September	October	Total
2004	4.2	4.8	5.6	3.0	1.0	0.05	8.2	26.9
Average	5.0	4.7	3.5	3.9	2.7	3.1	2.7	25.6
Departure	-.8	+1	+2.1	-.9	-1.7	-3.1	+5.5	+1.3

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
<u>Early Planted Early Maturing Cultivars (RM 4.7 or Less)</u>		
Armor GP 470	17	7
ASGROW AG3802	30	17
ASGROW AG3905	25	8
Croplan RC4464	38	15
DEKALB DKB36-52	32	8
Delta King 3964RR	23	7
Delta King 3968RR	22	12
Deltapine DP3861RR	38	20
Deltapine DP4748S	32	17
Deltapine DPX3950RR	38	17
Dyna Gro 3373nRR	23	7
Dyna Gro 3392nRR	13	3
PGY 4703RR	40	25
Pioneer 93M50	32	10
Pioneer 93M90	42	22
Pioneer 94B13	32	15
Southern States RT4502N	40	20
Terral TV39RS31	30	5
Grand mean	30	13
<u>Early Planted Late Maturing Cultivars (RM 4.8 to 5.3)</u>		
Croplan RC4842	20	0
Croplan RC4992	20	0
Croplan RC5003	20	7
Croplan RC5222	18	3
Croplan RC5332	17	5
DEKALB DKB51-51	20	0
Deltapine DP5110S	22	0
Morsoy RT4802	30	17
Grand mean	21	4
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>		
435RC	3	0
465RC	10	2
Armor 39-E9	8	0
Armor 44-R4	8	0
Armor 44-R5	8	0
Armor 47-G7	5	0
ARX B43104	2	0

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹, Continued.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>		
ASGROW AG4201	10	0
ASGROW AG4403	7	0
ASGROW AG4502	8	0
ASGROW AG4603	13	0
AV 46J5NRR	7	0
DEKALB DKB44-51	12	7
DEKALB DKB46-51	10	0
Delta Grow 4340RR	5	0
Delta Grow 4630RR	5	0
Delta Grow 4840RR	7	0
Delta King 4161RR	10	0
Delta King 4461RR	8	0
Delta King 4661RR	12	3
Delta King 4763RR	8	0
Delta King XTJ501	7	0
Delta King XTJ502	7	0
Delta King XTJ540	12	0
Delta King XTJ543	10	0
Delta King XTJ545	5	0
Delta King XTJ546	10	0
Deltapine 4331RR	12	2
Deltapine 4546RR	5	0
Deltapine 4724RR	8	2
Dyna Gro 3443NRR	10	0
Dyna Gro 3463NRR	10	0
Garst 4612RR/N	8	0
Genesis C444RR	8	0
Genesis E434NRR	7	0
Golden Harvest H-4368RR	3	0
Golden Harvest H-4749RR	5	0
HBK R4023	10	0
HBK R4623	10	3
Morsoy RT4304	5	0
Morsoy RT4480	12	2
MPV 4705nRR	3	0
NK Brand S43-B1	10	0
PGY 4304RR	12	7
PGY 4604RR	15	10
Pioneer 94B73	10	0
Pioneer 94M70	13	2
Progeny 3900RR	7	0
Progeny 4401RR	7	0
Progeny 4703RR	8	0

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹, Continued.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less) Continued</u>		
S02-677RR	3	0
S02-679RR	8	3
Terral TVX44R401	8	0
Terral TVX45RL21	12	3
Terral TVX45RM21	8	0
Terral TVX45RN21	7	0
Terral TVX46R401	8	0
USG 7434nRR	10	0
USG 7440nRR	8	0
USG 7443nRR	10	0
Grand mean	8	1
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>		
495RC	2	0
Armor 49-T3	5	0
Armor GP 474	0	0
Armor GP 499	0	0
ASGROW AG4801	3	0
ASGROW AG4902	5	0
ASGROW AG4903	3	0
AV 49J7NRR	2	0
Delta Grow 4860RR	2	0
Delta Grow 4960RR	5	0
Delta Grow 4970RR	3	3
Delta King 4862RR	3	0
Delta King 4866RR	2	0
Delta King 4868RR	0	0
Delta King 4967RR	3	0
Delta King XTJ503	5	0
Delta King XTJ549	3	0
Delta King XTJ54J9	10	0
Delta King XTJ54X9	2	0
Deltapine 4933RR	2	0
Deltapine X4891RR	3	0
DT97-4290	2	0
DT98-7278	7	0
DT98-9102	3	0
DT99-17445	12	0
Dyna Gro 3481NRR	2	0
Dyna Gro 3484NRR	2	0
Dyna Gro 36M49	3	0

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹, Continued.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9) Continued</u>		
Dyna Gro SX04349	8	0
ESXVT-17RR	3	0
FFR 4922RR	3	0
Garst 4999RR/N	3	0
Garst 5012RR/N	8	0
Garst D484RR/N	0	0
Garst XR48N20	0	0
Genesis D484RR	8	0
Genesis D491RR	2	0
Genesis E484RR	2	0
HBK R4724	2	0
HBK R4820	3	0
HBK R4924	3	0
HBK R4945CX	0	0
Manokin	2	0
Morsoy RT4993	2	0
MPV 4805nRR	2	0
MPV 4905nRR	8	7
NK Brand S49-Q9	5	0
PGY 4804RR	2	0
Pioneer 94M90	3	0
Progeny 4860RR	7	0
Progeny 4910	3	0
Progeny 4949RR	5	0
R98-1817	5	0
RJ97-500	2	0
S00-9925-10	3	0
S02-683RR	2	0
Southern States RT4902N	3	0
Southern States RT4980	0	0
Southern States RT5001N	3	0
Southern States RT5130N	7	0
Southern States RT517N	8	0
Terral TV49R12	2	0
Terral TVX48R413	0	0
Terral TVX48RL27	3	0
Terral TVX48RM27	2	0
Terral TVX48RN27	5	0
Terral TVX49R302	8	0
USG 7482nRR	5	0
USG 7484nRR	0	0
USG 7494nRR	3	0
USG 7499nRR	3	0
Grand mean	3	0

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹, Continued.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
Maturity Group V Early Maturing Cultivars (RM 5.5 or Less)		
545 RCP	13	0
Armor 53-K3	17	13
Armor 54-03	3	0
Armor GP 513	23	17
Armor GP 530	23	20
ARX D52104	7	0
ARX E54104	8	0
ARX E57104	7	3
ASGROW A5427	10	0
ASGROW AG5301	2	0
ASGROW AG5501	10	0
AV50J6NRR	17	5
AV52T2NRR	12	0
Croplan RC5555	12	0
DB00-087	25	17
DB00-141	13	0
DB00-155	20	0
DEKALB DKB54-52	12	0
Delsoy 5500	25	10
Delta Grow 5260RR	8	3
Delta Grow 5460RR	10	0
Delta Grow 5555RR	12	0
Delta King 5161RR	32	23
Delta King 5366RR	12	0
Delta King 5567RR	10	2
Delta King 55T6	23	13
Delta King XTJ504	12	0
Delta King XTJ505	12	0
Delta King XTJ554	15	5
Delta King XTJ55J5	8	0
Deltapine 5414RR	2	0
Dyna Gro 33B52	23	17
Dyna Gro 3535NRR	15	3
ESXVT-19RR	18	2
FFR 5033RR	12	3
FFR 5225RR	12	0
Garst 5212RR/N	18	15
Garst 5225RR	20	5
Genesis D524RR	3	0
Golden Harvest H-5053RR	10	0
Golden Harvest H-5492RR	12	0
HBK R5123	17	0
HBK R5224	20	17

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹, Continued.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
<u>Maturity Group V Early Maturing Cultivars (RM 5.5 or Less) Continued</u>		
HBK R5324	3	0
HBK R5422	10	3
HBK R5424S	22	18
HBK R5524	10	0
Hutcheson	22	10
Morsoy RT5204	7	0
Morsoy RT5252	10	0
Morsoy RT5553	8	0
MPV 5504NRR	10	0
MPV 5505NRR	10	0
NK Brand S50-N3	23	13
NK Brand S52-U3	18	15
Ozark	22	7
PGY 5404RR	7	0
Pioneer 95B32	15	7
Pioneer 95B42	12	0
Pioneer 95B43	18	8
Progeny 5250RR	13	0
Progeny 5503RR	3	0
S00-9970-08	10	0
S00-9970-09	8	0
S02-611RR	8	0
Southern States RT5302N	12	0
Southern States RT5540N	8	0
Southern States RT557N	18	7
Teejay	8	0
Terral TVX52R301	8	0
Terral TVX55R403	8	3
Terral TVX55RL23	18	5
Terral TVX55RM23	10	0
Terral TVX55RN23	17	5
USG 5002T	10	0
USG 540nRR	12	5
USG 7514nRR	20	17
USG 7553nRS	12	0
Willcross RR2542N	17	0
Grand mean	13	4

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹, Continued.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9)</u>		
Anand	8	0
Armor 56-J6	2	0
Armor 58-V8	5	0
ASGROW AG5605	5	0
ASGROW AG5903	7	0
ASGROW AG5905	5	0
Caviness	17	0
Croplan RC5972	5	0
DEKALB DKB57-51	0	0
DEKALB DKB58-51	2	0
Delta Grow 5610RR	2	0
Delta Grow 5630RR	5	0
Delta Grow 5650RR	2	0
Delta Grow 5960RR	5	0
Delta King 5668RR	12	0
Delta King 5767RR	5	0
Delta King 5870	8	0
Delta King 5967RR	3	0
Delta King 5995	3	0
Delta King XTJ506	5	0
Delta King XTJ5K57	2	0
Deltapine 114605RR	2	0
Deltapine 5634RR	5	0
Deltapine 5806RR	3	0
Deltapine 5915RR	5	0
Deltapine X5808RR	10	0
Dyna Gro 3562NRR	12	0
Dyna Gro 3583NRR	5	0
Dyna Gro 38K57	2	0
Dyna Gro DGX530	3	0
Dyna Gro SX04259	2	0
Dyna Gro SX04358	3	0
Dyna Gro SX04557	2	0
ESXVT-34RR	7	0
ESXVT-41RR	5	0
ESXVT-46RR	8	0
FFR 5663RR	3	0
Freedom	13	0
Garst 5812RR/N	7	0
Garst 5924RR/N	7	0
Garst XRS56N20	2	0
HBK C5894	5	0
HBK R5620	2	0

Table 9. Tolerance of Soybean Cultivars to Propanil Drift, 2004¹, Continued.

Brand/Cultivar	7 DAA ²	21DAA ²
-----% injury-----		
<u>Maturity Group V Late Maturing Cultivars (RM 5.6 to 5.9) Continued</u>		
HBK R5624	3	0
HBK R5924	2	0
Morsoy RT5620	17	0
Morsoy RT5773	5	0
Morsoy RT5903	5	0
NK Brand S56-D7	13	5
NK Brand S57-P1	2	0
PGY 5622RR	3	0
PGY 5714RR	5	0
PGY 5770	0	0
Pioneer 95B96	2	0
Pioneer 95M80	10	0
Progeny 5660RR	5	0
Progeny 5703RR	2	0
Progeny 5822RR	5	0
R97-1634	2	0
RJ97-555	10	0
Southern States RT5602N	3	0
Southern States RT5702N	8	0
Southern States RT5730N	2	0
Southern States RT5999N	5	0
Terral TV56R11	5	0
Terral TV56R12	5	0
Terral TV57R14	7	0
Terral TV58R12	2	0
Terral TV59R14	7	0
Terral TVX56R405	3	0
Terral TVX57R408	2	0
USG 5601T	3	0
USG 7562nRR	0	0
USG 7582nRR	3	0
Grand mean	5	0

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

² 7DAA and 21DAA represent ratings seven and twenty-one days after propanil application, respectively. Ratings by Ms. Marilyn McClelland.

**Participants and Entries
2004 Early Planted Tests**

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Armor Seed Company PO Box 178 Fisher, AR 72429	Armor 39-E9 (3.9) Armor 44-R4 (4.4) Armor 44-R5 (4.4) Armor 47-G7 (4.7) Armor 49-T3 (4.8) Armor GP 470 (3.9) Armor GP 474 (4.9) Armor GP 499 (4.8) ARX B43104 (4.3) ARX D52104 (5.2)
Cache River Valley Seed PO Box 10 Cash, AR 72421	Morsoy RT4480 (4.4) Morsoy RT4802 (4.8) Morsoy RT4993 (4.9)
Croplan Genetics 4990 NCR 583 Blytheville, AR 72315	RC4464 (4.4) RC4842 (4.8) RC4992 (4.9) RC5003 (5.0) RC5222 (5.2) RC5332 (5.3)
Delta Grow Seed 220 N.W. 2nd Street England, AR 72046	Delta Grow 4340RR (4.3) Delta Grow 4630RR (4.6) Delta Grow 4840RR (4.7) Delta Grow 4860RR (4.8) Delta Grow 4960RR (4.9) Delta Grow 4970RR (4.9) Delta Grow 5260RR (5.2)
Delta King Seed Company	Delta King 3964RR (3.9) Delta King 3968RR (3.9) Delta King 4161RR (4.1) Delta King 4461RR (4.6) Delta King 4661RR (4.6) Delta King 4763RR (4.7) Delta King 4862RR (4.8) Delta King 4967RR (4.9) Delta King 5161RR (5.1) Delta King 5366RR (5.3) Delta King XTJ543 (4.3) Delta King XTJ546 (4.6)

**Participants and Entries
2004 Early Planted Tests**

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Delta and Pine Land Co. 1301 E. 50th St. Lubbock, TX 79404	DP 3861RR (3.8)
	DP 4331RR (4.3)
	DP 4546RR (4.5)
	DP 4724RR (4.7)
	DP 4748S (4.7)
	DP 4933RR (4.9)
	DP 5110S (5.1)
	DPX 3950RR (3.9)
	DPX 4891RR (4.8)
Hornbeck Seed Co., Inc. PO Box 472 DeWitt, AR 72042	HBK R4023 (4.1)
	HBK R4623 (4.5)
	HBK R4724 (4.8)
	HBK R4820 (4.8)
	HBK R4924 (4.9)
	HBK R5123 (5.1)
Monsanto 800 North Lindbergh Boulevard St. Louis, MO 63167	Asgrow AG3802 (3.8)
	Asgrow AG3905 (3.9)
	Asgrow AG4201 (4.2)
	Asgrow AG4403 (4.4)
	Asgrow AG4502 (4.5)
	Asgrow AG4603 (4.6)
	Asgrow AG4801 (4.8)
	Asgrow AG4902 (4.9)
	Asgrow AG4903 (4.9)
	DEKALB DKB36-52 (3.6)
	DEKALB DKB44-51 (4.4)
DEKALB DKB51-51 (5.1)	
Pioneer, A DuPont Company 6767 Old Madison Pike, Suite 110 Huntsville, AL35806	Pioneer 93M50 (3.5)
	Pioneer 93M90 (3.9)
	Pioneer 94B13 (4.1)
	Pioneer 94B73 (4.7)
	Pioneer 94M90 (4.9)
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	PGY 4304RR (4.3)
	PGY 4604RR (4.6)
	PGY 4703RR (4.7)
	PGY 4804RR (4.8)
	Progeny 3900RR (3.9)
	Progeny 4401RR (4.4)
	Progeny 4860RR (4.8)
	Progeny 4910 (4.9)
	Progeny 4949RR (4.9)
Progeny 5250RR (5.2)	

**Participants and Entries
2004 Early Planted Tests**

Company/Institution

Cultivar (Relative Maturity)¹

Southern States Coop.
PO Box 26234
Richmond, VA 23260

Southern States RT4502N (4.5)
Southern States RT4902N (4.9)
Southern States RT4980N (4.9)
Southern States RT5001N (4.9)
Southern States RT5130N (4.9)
Southern States RT5302N (5.3)

Syngenta Seeds, Inc.
535 Pennyrile Drive
Madisonville, KY 42431

NK Brand S43-B1 (3.9)

Terral Seed, Inc.
PO Box 826
Lake Providence, LA 71254

Terral TV39RS31 (3.9)
Terral TV44R401 (4.4)
Terral TVX4RN21 (4.5)
Terral TVX45RL21 (4.5)
Terral TVX45RM21 (4.5)
Terral TVX48RL27 (4.8)
Terral TVX48RN27 (4.8)

UAP MidSouth Dyna Gro Seed
57 Germantown Court, Suite 200
Cordova, TN 38018

Dyna Gro 3373 (3.7)
Dyna Gro 3392NRR (3.9)

University of Arkansas
115 Plant Science
Fayetteville, AR 72701

Ozark (5.3)
R98-1817 (4.8)

Participants and Entries
2004 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Armor Seed Company P. O. Box 178 Fisher, AR 72429	Armor 39-E9 (3.9) Armor 44-R4 (4.4) Armor 44-R5 (4.4) Armor 47-G7 (4.7) Armor 53-K3 (5.3) Armor 56-J6 (5.6) Armor 58-V8 (5.8) Armor GP 474 (4.9) Armor GP 513 (5.2) Armor GP 530 (5.3)
Cache River Valley Seed PO Box 10 Cash, AR 72421	Morsoy RT4304 (4.3) Morsoy RT4480 (4.4) Morsoy RT4993 (4.9) Morsoy RT5204 (5.2) Morsoy RT5252 (5.2) Morsoy RT5553 (5.5) Morsoy RT5620 (5.6) Morsoy RT5773 (5.7) Morsoy RT5903 (5.9)
Delta Grow Seed PO Box 219 England, AR 72046	Delta Grow 4340RR (4.3) Delta Grow 4630RR (4.6) Delta Grow 4840RR (4.7) Delta Grow 4860RR (4.8) Delta Grow 4960RR (4.9) Delta Grow 4970RR (4.9) Delta Grow 5260RR (5.2) Delta Grow 5460RR (5.4) Delta Grow 5555RR (5.5) Delta Grow 5610RR (5.6) Delta Grow 5630RR (5.6) Delta Grow 5650RR (5.6) Delta Grow 5960RR (5.9)

Participants and Entries
2004 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Delta King Seed Co. PO Box 970 McCrary, AR 72101	Delta King 55T6 (5.2)
	Delta King 5995 (5.9)
	Delta King 4161RR (4.1)
	Delta King 4461RR (4.6)
	Delta King 4661RR (4.6)
	Delta King 4763RR (4.7)
	Delta King 4862RR (4.8)
	Delta King 4866RR (4.8)
	Delta King 4868RR (4.8)
	Delta King 4967RR (4.9)
	Delta King 5161RR (5.1)
	Delta King 5366RR (5.3)
	Delta King 5567RR (5.5)
	Delta King 5668RR (5.6)
	Delta King 5767RR (5.7)
	Delta King 5870 (5.8)
	Delta King 5967RR (5.9)
	Delta King XTJ5K57 (5.7)
	Delta King XTJ54J9 (4.9)
	Delta King XTJ54X9 (4.9)
	Delta King XTJ55J5 (5.5)
	Delta King XTJ501 (4.4)
	Delta King XTJ502 (4.7)
	Delta King XTJ503 (4.9)
	Delta King XTJ504 (5.1)
	Delta King XTJ505 (5.3)
	Delta King XTJ506 (5.9)
	Delta King XTJ540 (4.0)
	Delta King XTJ543 (4.3)
	Delta King XTJ546 (4.6)
	Delta King XTJ545 (4.5)
	Delta King XTJ549 (4.9)
	Delta King XTJ554 (5.4)
Delta & Pine Land Co. 1301 E. 50th St. Lubbock, TX 79404	Deltapine DP 4331RR (4.3)
	Deltapine DP 4546RR (4.5)
	Deltapine DP 4724RR (4.7)
	Deltapine DP 4933RR (4.9)
	Deltapine DP 5414RR (5.4)
	Deltapine DP 5634RR (5.6)
	Deltapine DP 5806RR (5.8)
	Deltapine DP 5915RR (5.9)
	Deltapine X4891RR (4.8)
	Deltapine X5808RR (5.8)
	Deltapine 114605RR (5.6)
Dulaney Seed, Inc. 6933 Sunflower School Road Clarksdale, MS 38614	AV 46J5NRR (4.6)
	AV 49J7NRR (4.9)
	AV 50J6NRR (5.0)
	AV 52T2NRR (5.2)

**Participants and Entries
2004 Commercial Cultivar Tests**

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Eagle Seed Co. PO Box 308 Weiner, AR 72479	ES XVT-17RR (4.9)
	ES XVT-19RR (5.5)
	ES XVT-34RR (5.8)
	ES XVT-41RR (5.8)
	ES XVT-46RR (5.7)
FFR Seed 969 Cloverleaf Dr. Southaven, MS 38671	FFR 4922RR (4.9)
	FFR 5033RR (5.0)
	FFR 5225RR (5.2)
	FFR 5663RR (5.6)
Garst Seed Co. 1005 Georgetown Cove West Memphis, AR 72301	Garst 5012RR/N (4.9)
	Garst 5212RR/N (5.2)
	Garst 5812RR/N (5.8)
	Garst 5924RR/N (5.9)
Genesis Brand Seed PO Box 25103 Lansing, MI 48909	Genesis C444RR (4.4)
	Genesis D484RR (4.8)
	Genesis D491RR (4.9)
	Genesis D524RR (5.2)
	Genesis E434NRR (4.3)
Genesis E484RR (4.8)	
Golden Harvest PO Box 248 Pekin, IL 61555	H-4368RR (4.3)
	H-4749RR (4.7)
	H-5053RR (5.0)
	H-5492RR (5.4)
Hornbeck Seed Co., Inc. PO Box 472 DeWitt, AR 72042	HBK C5894 (5.8)
	HBK R4023 (4.1)
	HBK R4623 (4.5)
	HBK R4724 (4.8)
	HBK R4820 (4.8)
	HBK R4924 (4.9)
	HBK R4945CX (4.8)
	HBK R5123 (5.1)
	HBK R5224 (5.1)
	HBK R5324 (5.2)
	HBK R5422 (5.3)
	HBK R5424S (5.4)
	HBK R5524 (5.5)
	HBK R5620 (5.6)
HBK R5624 (5.6)	
HBK R5924 (5.9)	

Participants and Entries
2004 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
MidWest Premium Genetics 523 South Main, Box 688 Concordia, MO 64020	MPV 4705NRR (4.7)
	MPV 4805NRR (4.8)
	MPV 4905NRR (4.9)
	MPV 5504NRR (5.5)
	MPV 5505NRR (5.5)
Monsanto 800 North Lindbergh Blvd. St. Louis, MO 63167	Asgrow A5427 (5.4)
	Asgrow AG4201 (4.2)
	Asgrow AG4403 (4.4)
	Asgrow AG4502 (4.5)
	Asgrow AG4603 (4.6)
	Asgrow AG4801 (4.8)
	Asgrow AG4902 (4.9)
	Asgrow AG4903 (4.9)
	Asgrow AG5301 (5.3)
	Asgrow AG5501 (5.5)
	Asgrow AG5605 (5.6)
	Asgrow AG5903 (5.9)
	Asgrow AG5905 (5.9)
	DEKALB DKB44-51 (4.4)
	DEKALB DKB46-51 (4.6)
DEKALB DKB54-52 (5.4)	
DEKALB DKB57-51 (5.7)	
DEKALB DKB58-51 (5.8)	
Pioneer Hi-Bred International 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer Brand 94B73 (4.3)
	Pioneer Brand 94M70 (4.7)
	Pioneer Brand 94M90 (4.9)
	Pioneer Brand 95B32 (5.3)
	Pioneer Brand 95B42 (5.2)
	Pioneer Brand 95B43 (5.4)
	Pioneer Brand 95B96 (5.9)
	Pioneer Brand 95M80 (5.8)

**Participants and Entries
2004 Commercial Cultivar Tests**

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>	
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	PGY 4304RR (4.3)	
	PGY 4604RR (4.6)	
	PGY 4804RR (4.8)	
	PGY 5404RR (5.4)	
	PGY 5622RR (5.6)	
	PGY 5714RR (5.7)	
	PGY 5770 (5.7)	
	Progeny 3900RR (3.9)	
	Progeny 4401RR (4.4)	
	Progeny 4703RR (4.7)	
	Progeny 4860RR (4.8)	
	Progeny 4910 (4.9)	
	Progeny 4949RR (4.9)	
	Progeny 5250RR (5.2)	
	Progeny 5503RR (5.5)	
	Progeny 5660RR (5.6)	
	Progeny 5703RR (5.7)	
	Progeny 5822RR (5.8)	
	Schillenger Seed 200 Bennett's Outlet Lane Queenstown, MD 21658	435.RC (4.3)
		465.RC (4.6)
495.RC (4.9)		
545.RCP (5.4)		
Southern States Coop. P. O. Box 26234 Richmond, VA 23260	Southern States RT517N (4.9)	
	Southern States RT557N (5.5)	
	Southern States RT4902N (4.9)	
	Southern States RT4980 (4.9)	
	Southern States RT5001N (4.9)	
	Southern States RT5130N (4.9)	
	Southern States RT5302N (5.3)	
	Southern States RT5540N (5.5)	
	Southern States RT5602N (5.6)	
	Southern States RT5702N (5.7)	
	Southern States RT5730N (5.7)	
Southern States RT5999N (5.9)		
Syngenta Seeds, Inc. 535 Pennyrile Drive Madisonville, KY 42431	NK Brand S43-B1 (4.3)	
	NK Brand S49-Q9 (4.9)	
	NK Brand S50-N3 (5.0)	
	NK Brand S52-U3 (5.2)	
	NK Brand S56-D7 (5.6)	
	NK Brand S57-P1 (5.7)	

Participants and Entries
2004 Commercial Cultivar Tests

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	Terral TV49R12 (4.9)
	Terral TV56R11 (5.6)
	Terral TV56R12 (5.6)
	Terral TV57R14 (5.7)
	Terral TV58R12 (5.8)
	Terral TV59R14 (5.9)
	Terral TVX44R401 (4.4)
	Terral TVX45RL21 (4.5)
	Terral TVX45RM21 (4.5)
	Terral TVX45RN21 (4.5)
	Terral TVX46R401 (4.6)
	Terral TVX48R413 (4.8)
	Terral TVX48RL27 (4.8)
	Terral TVX48RM27 (4.8)
	Terral TVX48RN27 (4.8)
	Terral TVX49R302 (4.9)
	Terral TVX52R301 (5.2)
	Terral TVX55R403 (5.5)
	Terral TVX55RL23 (5.5)
	Terral TVX55RM23 (5.5)
	Terral TVX55RN23 (5.5)
	Terral TVX56R405 (5.6)
	Terral TVX57R408 (5.7)
UAP Dyna Gro Seed 57 Germantown Court, Suite 200 Cordova, TN 38018	Dyna Gro 33B52 (5.2)
	Dyna Gro 36M49 (4.9)
	Dyna Gro 38K57 (5.7)
	Dyna Gro 3443NRR (4.4)
	Dyna Gro 3463NRR (4.6)
	Dyna Gro 3481NRR (4.8)
	Dyna Gro 3484NRR (4.8)
	Dyna Gro 3535NRR (5.3)
	Dyna Gro 3562NRR (5.6)
	Dyna Gro 3583NRR (5.9)
	Dyna Gro DGX530 (5.8)
	Dyna Gro SX04259 (5.9)
	Dyna Gro SX04349 (4.9)
	Dyna Gro SX04358 (5.8)
	Dyna Gro SX04557 (5.7)

**Participants and Entries
2004 Commercial Cultivar Tests**

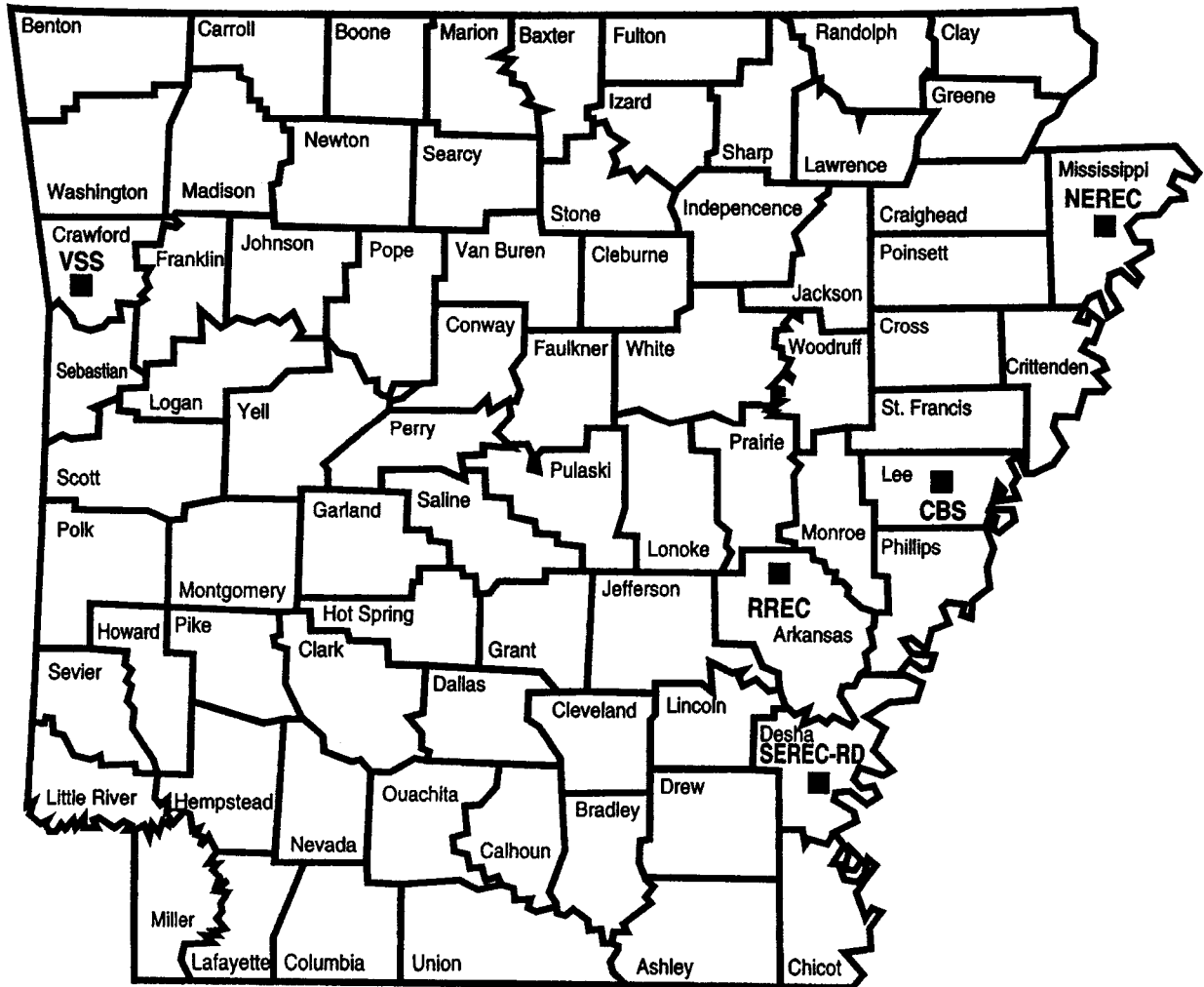
<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
UniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211	USG 540nRR (5.4) USG 5002T (5.0) USG 5601T (5.6) USG 7434nRR (4.4) USG 7440nRR (4.4) USG 7443nRR (4.4) USG 7482nRR (4.8) USG 7484nRR (4.8) USG 7494nRR (4.9) USG 7499nRR (4.9) USG 7514nRR (5.1) USG 7553nRS (5.5) USG 7562nRR (5.6) USG 7582nRR (5.8)
University of Arkansas 115 Plant Science Fayetteville, AR 72701	Caviness (5.7) Hutcheson (5.3) Ozark (5.3) R97-1634 (5.2) R98-1817 (4.8)
University of Maryland Room 1112 H.J. Patterson Hall College Park, MD 20742	Manokin (4.9)
University of Missouri-Delta Center 147 State Highway T Portageville, MO 63873	Anand (5.6) Delsoy 5500 (5.5) S02-611RR (5.3) S02-677RR (4.6) S02-679RR (4.6) S02-683 (4.9)
USDA-ARS P. O. Box 345 Stoneville, MS 38776	Freedom (5.6) DB00-087 (5.5) DB00-141 (5.5) DB00-155 (5.5) DT97-4290 (4.8) DT98-7278 (4.8) DT98-9102 (4.8) DT99-17445 (4.8)
Willcross PO Box 379 Garden City, MO 64747	Willcross RR2542N (5.4)
Virginia Tech CSES Department Blacksburg, VA 24061-0404	Teejay (5.3)

**Participants and Entries
2004 New Strains Tests**

<u>Company/Institution</u>	<u>Cultivar (Relative Maturity)¹</u>
Arkansas State University PO Box 2340 State University, AR 72467	RJ97-500 (4.8) RJ97-555 (5.8)
Armor Seed Company PO Box 178 Fisher, AR 72429	Armor 49-T3 (4.8) Armor 54-03 (5.5) Armor GP 499 (4.8) ARX B43104 (4.3) ARX D52104 (5.2) ARX E54104 (5.4) ARX E57104 (5.5)
Croplan Genetics 4990 NCR 583 Blytheville, AR 72315	RC 5555 (5.5) RC 5972 (5.9)
Eagle Seed PO Box 308 Weiner, AR 72479	ESXT 4711 (4.7) ESXT 5450 (5.4)
Garst Seed Company 761 Walnut Knoll Lane, Suite 200 Cordova, TN 38018	Garst 4612RR/N (4.6) Garst 4999RR/N (4.9) Garst 5225RR (5.2) Garst D484RR/N (4.8) Garst XR48N20 (4.8) Garst XRS56N20 (5.6)
University of Missouri PO Box 160 147 State Hwy. T Portageville, MO 63875	S00-9925-10 (4.9) S00-9970-09 (5.5) S00-9970-08 (5.5)

¹Relative maturity provided by companies and institutions submitting entries.

SOYBEAN TEST LOCATIONS



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

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DIVISION OF AGRICULTURE