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Arkansas Small-Grain Cultivar Performance Tests 2007-2008

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A R K A N S A S A G R I C U L T U R A L E X P E R I M E N T S T A T I O N

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CONTENTS

ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS[1] 2007-2008

J.T. Kelly[2], M.J. Emerson[3], and R.K. Bacon[2]

INTRODUCTION

Small-grain cultivar performance tests are conducted each year in Arkansas by the Arkansas Agricultural Experiment Station, Department of Crop, Soil, and Environmental Sciences. 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 small-grain producers.

The tests are conducted at the Northeast Research and Extension Center at Keiser, the Vegetable Substation near Kibler, the Lon Mann Cotton Research Station near Marianna, the Southeast Branch Station near Rohwer, the Rice Research and Extension Center near Stuttgart, and the Southwest Research and Extension Center at Hope. This year the test was also conducted on DID Farms in Jackson County. We appreciate the cooperation of DID Farms for the use of its land and resources. Wheat tests were planted at all locations; oat tests were planted at Marianna and Stuttgart.

Two wheat tests were planted at Stuttgart. The Standard Input Wheat Test and the High Input Wheat Test contained the same entries and were treated identically with respect to cultural practices except the High Input Test received more topdress nitrogen and a foliar fungicide application. This dual approach is utilized to give information on cultivar performance under conventional and high input production strategies employed by Arkansas farmers. Specific location and cultural practice information accompanies each table.

METHODS

Each wheat test contained 91 entries and each oat test contained 20 entries. A randomized complete block experimental design with four replications was used for all tests. Seeding rates of 105 lb/A for wheat and 64 lb/A for oat were used to establish plots 20 feet in length and 49 inches in width (seven rows, seven inches apart). The test at Keiser was planted using a grain drill with 9 rows - seven inches apart. Due to the larger area planted (plot width) the effective seeding rate was reduced to 82 lb/A. All sites used conventional seedbed preparation. Plots were end-trimmed and harvested with a plot combine. Bird feeding affected the yield on a number of plots at Hope, Kibler and Keiser. Those plots with significant visual damage were discarded and not used in the yield calculation.

Characters evaluated

Yield: Yields were calculated from the weight of seed from each plot as measured by the Harvest Master Pro 4100 and are expressed as bushels per acre (bu/A) at 13% moisture content.

Test weight: Test weights, expressed in pounds per bushel (lb/bu), were determined using the Harvest Master Pro 4100.

Lodging: Lodging is reported as an estimated percentage of plants prostrate at maturity: 10 = 10% lodged; 100 = 100% lodged. The lodging ratings are usually taken at harvest, so many of the earlier maturing lines may have higher ratings resulting from a delay in harvest. Also, high lodging scores are sometimes directly associated with more seeds per head or high grain yields.

Heading Date: Heading dates are reported as the day an estimated 50% of the heads had emerged.

Maturity Date: Maturity dates are reported as the day an estimated 90% of the culms were yellow.

Disease Ratings: Disease infections are rated visually based on the percentage of leaf or glume area displaying symptoms.

[1]Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

[2]Program Associate III and Professor, respectively, Department of Crop, Soil, and Environmental Sciences, University of Arkansas, Fayetteville;
[3]Program Associate I, Lonoke Extension Office, Lonoke, AR.

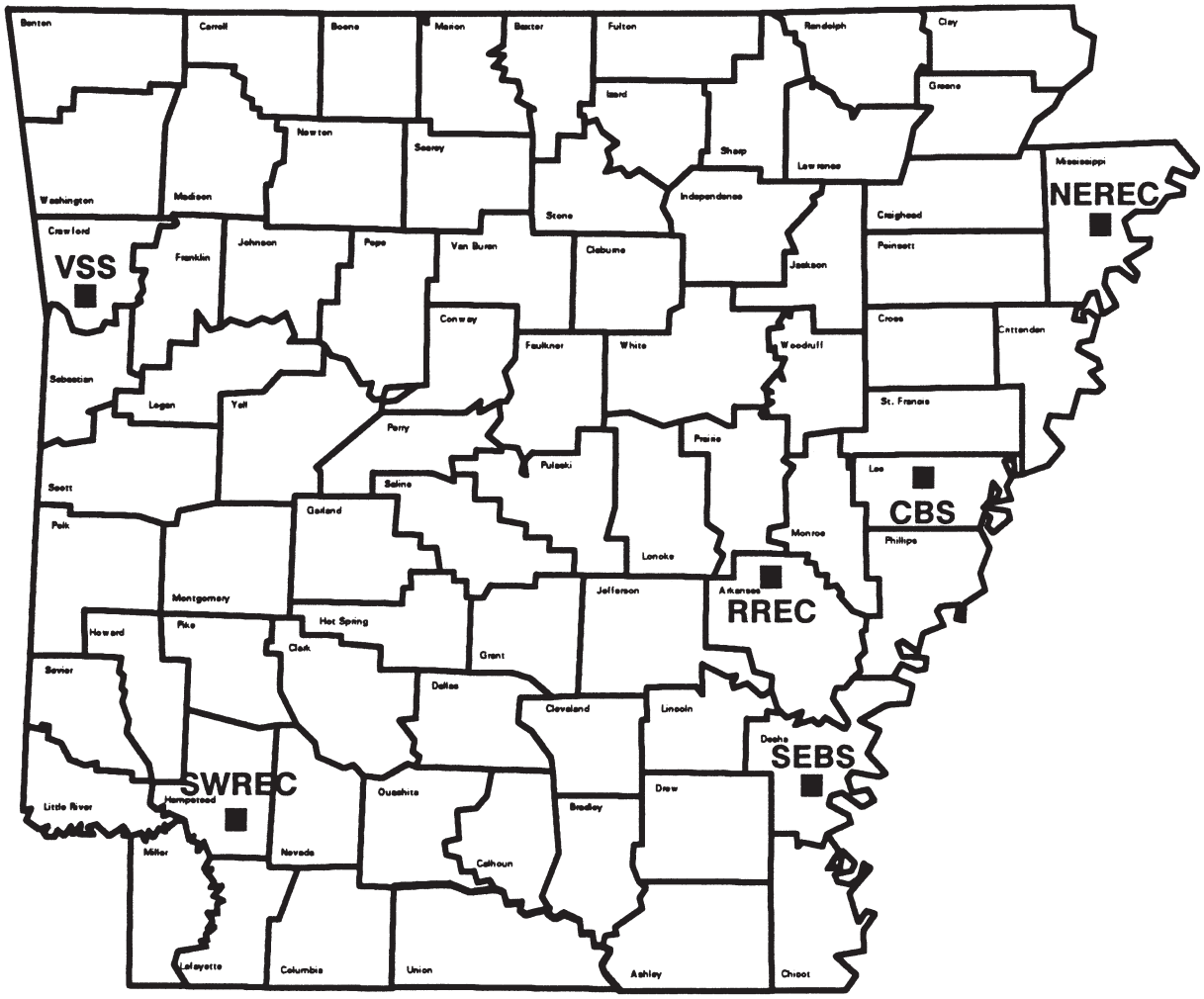
WEATHER SUMMARY

Prior to the planting season most locations were near normal for soil moisture level. Rainfall was generally above or near normal at all locations throughout the growing season. Several locations did record above normal rainfalls for various months while other locations recorded deficit for the growing season. Average temperature in late winter allowed for normal spring growth and development at all locations. Monthly rainfall totals from October through May and the departure from normal (30-year average) are given for each test.

RESULTS

Grain yields were generally good to average for all locations. The growing season was fairly normal with most locations having adequate rainfall. The plots at Kibler and Stuttgart experienced heavy rainfall, hail and high winds from tornadic storms in early May. Due to the results of the 2007 tests, which reflected the consequence of a late freeze, no two and three year averages are reported with the exceptions of the two southern locations (Hope and Rohwer). Disease ratings based on percentage of leaf tissue covered were taken at Stuttgart for Septoria tritici, stripe rust and leaf rust. Results are reported in Table 8 and were compiled by Dr. Scott Monfort, Extension Plant Pathologist. Yields of wheat cultivars at all locations are summarized in Table 1. Grain yields and other agronomic measurements are given in Tables 2-9, along with cultural practice and site information including precipitation summaries. The results from the oat tests are presented in Tables 10-11.

SMALL-GRAIN TEST LOCATIONS



CBS - **Cotton Branch Station, Marianna, Arkansas**
NEREC - **Northeast Research and Extension Center, Keiser, Arkansas**
RREC - **Rice Research and Extension Center, Stuttgart, Arkansas**
SEBS - **Southeast Branch Station, Rohwer, Arkansas**
SWREC - **Southwest Research and Extension Center, Hope, Arkansas**
VSS - **Vegetable Substation, Kibler, Arkansas**

Table 1. Summary of 2007-08 wheat yields in Standard and High Input Tests at Arkansas locations.

Entry Name	Hope	Keiser	Kibler	Marianna	Newport	Rohwer	Stuttgart	
	Standard Input							High Input
	bu/A							
AGINW0731	63.4	64.9	74.3	74.4	76.5	86.9	82.6	99.3
AGRIPRO/COKER BERETTA	68.9	71.8	79.0	79.7	73.6	96.7	83.6	92.0
AGRIPRO/COKER COKER9553	67.8	71.1	57.8	89.3	73.8	90.6	81.0	85.0
AGRIPRO/COKER COKER9700	52.9	66.8	62.9	86.1	73.4	87.0	74.2	77.5
AGRIPRO/COKER D03*9804	53.0	68.8	61.3	77.8	68.9	96.6	77.6	95.1
AGRIPRO/COKER MAGNOLIA	59.9	79.4	73.6	85.3	70.7	98.1	85.6	99.7
AGRIPRO/COKER W1377	52.8	79.5	74.3	72.4	73.4	102.7	81.9	95.9
AGRIPRO/COKER X3443	58.6	73.7	68.8	89.3	74.7	93.8	81.8	95.8
AGS 2020	62.3	62.0	38.6	76.2	76.8	90.9	71.2	83.5
AGS 2026	74.4	68.8	54.0	92.6	72.3	98.7	77.1	81.3
AGS 2031	65.1	71.6	72.8	96.8	83.0	104.4	75.3	90.4
AGS 2050	60.5	68.7	70.9	82.3	73.7	94.1	80.7	88.9
AGS 2055	68.6	74.5	71.9	76.1	70.7	97.1	87.3	97.9
AGS 2060	62.6	68.2	72.6	91.3	68.9	109.2	84.6	94.6
AR 97124-4-2	61.6	57.2	66.3	89.3	65.3	84.8	66.2	74.6
AR 98001-5-1	52.4	66.1	47.0	89.8	65.0	96.0	62.1	82.7
AR 98068-4-1	55.8	61.1	60.4	77.0	59.9	75.6	70.1	73.9
AR 98105-4-1	61.6	64.4	65.1	85.3	72.4	85.8	69.4	88.8
AR96077-7-2	61.1	67.6	57.0	85.6	59.4	84.4	66.4	74.4
ARMOR 260Z	61.7	68.8	68.8	86.7	75.9	99.9	77.7	90.8
ARMOR 5110	52.2	67.6	72.8	83.6	66.6	98.4	79.2	90.5
ARMOR 9901	68.7	69.4	67.7	96.1	79.7	93.6	84.5	83.8
ARMOR ARX 6202	62.6	70.0	74.3	91.6	74.9	96.6	83.4	94.8
ARMOR ARX9603	67.6	73.0	70.1	83.3	70.3	97.8	78.2	92.3
BUCK HARVEST	52.6	46.8	66.4	78.3	66.3	77.3	77.3	86.1
CHESAPEAKE	62.7	70.4	59.2	92.2	70.4	91.1	68.1	80.3
CROPLAN GENET. 554W	70.9	75.1	65.3	83.6	82.8	91.3	79.3	91.3
CROPLAN GENET. 8302	63.3	80.7	70.6	87.4	85.7	105.2	82.6	100.7
DELTA GROW 1600	50.0	68.1	71.3	78.3	78.3	101.1	81.2	93.4
DELTA GROW 5200	53.3	66.2	63.6	79.9	64.6	95.6	76.1	92.3
DELTA GROW 7400	58.8	72.8	66.3	81.2	65.1	92.3	78.8	84.1
DELTA KING 7710	62.3	69.2	69.2	85.4	73.0	84.3	84.9	95.8
DELTA KING 9577	53.1	65.2	44.4	81.2	80.5	96.8	79.5	93.6
DELTA KING GR9108	53.9	60.7	40.3	83.2	62.8	96.9	72.6	84.7
DELTA KING XTJ724	57.4	53.1	66.8	81.3	69.3	90.7	67.3	82.7
DELTA KING XTJ730	68.7	68.0	74.8	89.0	78.2	106.4	87.0	99.3
DELTA KING XTJ732	67.7	68.4	75.1	78.5	67.8	95.0	85.6	105.8
DIXIE BELL DB2100	54.4	77.4	74.9	90.2	84.5	101.3	86.3	99.1
DIXIE BELL DB2125	43.5	52.5	48.7	72.6	70.2	95.1	86.8	96.6
DIXIE BELL DB2150	48.8	65.1	42.0	76.8	68.2	96.8	84.5	98.3
DIXIE BELL DB7411	53.0	75.7	47.5	87.3	81.4	101.8	77.0	95.5
DIXIE BELL DB7440	43.6	63.4	37.3	79.2	65.7	96.5	89.7	95.9

Table 1. Continued.

	Hope	Keiser	Kibler	Marianna	Newport	Rohwer	Stuttgart	
	Standard Input							High Input
	bu/A							
DIXIE 900	51.9	53.3	55.6	79.5	69.2	108.0	87.9	97.4
DIXIE 907	55.3	66.3	61.7	80.6	72.0	94.7	76.8	91.6
DIXIE 989	62.8	70.1	72.8	77.0	78.8	91.2	83.2	97.4
DIXIE DX940	66.9	71.5	58.7	91.2	72.6	101.5	88.3	104.3
DIXIE DX950	59.3	68.8	65.7	89.5	85.4	88.8	79.6	97.3
DIXIE 427	61.9	76.2	74.3	78.6	71.3	108.3	76.3	101.0
DIXIE 454	62.6	71.4	62.7	96.9	81.5	99.6	86.6	88.6
DIXIE X915	58.6	64.3	65.8	74.6	71.4	93.1	72.1	87.2
DIXIE X920	61.0	69.6	68.6	86.1	76.4	96.3	88.5	98.0
GA 981621-5E34	59.4	69.6	78.2	96.0	70.7	105.3	72.4	98.0
GA 981622-5E35	60.8	71.1	63.8	94.7	82.0	104.5	77.4	94.3
HBK 3266	60.8	71.2	68.0	88.9	70.3	103.1	74.3	80.1
JAMESTOWN	52.1	75.8	69.5	89.3	75.6	95.5	78.2	86.1
LA01138D-55	58.1	55.9	64.9	80.1	60.3	85.8	69.4	85.1
LA98214D-14-1-2	61.0	71.2	60.4	85.3	70.2	100.1	90.9	90.8
LA99005UC-31-3-C	72.5	64.9	63.9	79.3	66.9	88.8	79.6	92.9
LEGACY LW-117	70.7	55.1	52.0	81.2	55.2	92.1	79.6	88.7
LEGACY LW-262	62.3	63.4	59.3	81.8	71.4	97.6	63.2	84.8
PAT	59.5	59.0	66.4	84.5	67.8	85.5	78.9	87.8
PIONEER 26R15	61.9	78.4	76.1	89.8	85.4	101.3	83.9	90.1
PIONEER 26R22	59.8	64.6	72.9	81.2	83.1	97.3	73.3	93.1
PIONEER 26R87	64.9	61.5	60.7	88.4	77.8	97.6	74.3	76.7
PROGENY 117	62.1	77.9	52.9	87.8	79.9	100.3	79.7	99.4
PROGENY 122	55.0	66.7	66.4	79.8	67.3	94.0	74.9	83.8
PROGENY 127	60.7	60.3	64.7	64.3	57.9	82.4	67.1	81.8
PROGENY 145	49.5	65.6	51.4	69.4	65.4	88.5	83.7	87.6
PROGENY 166	55.3	67.2	52.8	91.4	64.8	92.5	85.3	96.8
PROGENY 185	59.3	69.2	69.9	90.2	76.1	98.7	90.3	101.2
ROANE	59.3	62.8	76.9	81.0	68.5	87.7	66.3	83.2
SABBE	62.3	63.3	50.7	76.0	62.4	88.7	72.1	77.8
TERRAL LA482	68.4	54.6	48.5	88.7	70.8	86.5	57.7	76.3
TERRAL LA841	66.4	67.6	66.0	68.9	64.3	94.3	76.8	83.6
TERRAL TV8331	49.2	54.7	59.3	77.4	77.2	89.3	74.2	89.3
TERRAL TV8466	68.9	59.6	70.4	84.9	69.5	98.6	85.6	102.8
TERRAL TV8558	59.4	69.4	62.8	90.8	77.8	85.3	81.0	93.1
TERRAL TV8170	63.2	68.1	65.9	83.7	82.0	104.3	80.6	100.2
TERRAL TV8589	70.1	83.5	73.7	81.3	67.9	104.1	85.4	89.0
TERRAL TV8577	61.2	55.5	44.6	81.7	67.5	83.5	66.2	77.7
TX4A35	59.6	68.8	62.2	73.6	70.5	98.4	53.0	85.5
USG 3209	59.8	63.4	68.2	88.5	82.0	89.6	64.8	86.3
USG 3295	59.5	74.9	81.6	94.9	83.2	100.2	79.9	89.4
USG 3342	56.0	51.0	56.8	70.6	73.7	86.0	47.1	65.5
USG 3350	48.3	61.1	50.0	84.6	62.3	91.6	85.5	91.5
USG 3555	62.1	71.8	72.3	96.7	88.9	93.2	81.4	94.5

Table 1. Continued.

	Hope	Keiser	Kibler	Marianna	Newport	Rohwer	Stuttgart	
	Standard Input							High Input
	bu/A							
USG 3665	60.8	64.8	71.8	92.9	77.7	91.3	88.2	96.1
USG 3860	53.7	67.1	60.1	77.4	79.1	97.3	90.9	89.2
VA01W-205	64.3	73.5	75.8	87.4	81.4	93.7	71.6	92.4
VA03W-409	70.6	71.7	80.0	100.8	90.7	83.4	77.4	83.7
VA03W-434	69.2	68.1	81.9	82.9	74.8	98.8	72.8	90.1
Grand mean	60.1	67.1	64.2	84.0	72.9	94.7	77.8	90.1
LSD (5%)	15.2	11.8	11.5	12.7	6.7	15.3	8.0	8.6
C.V. (%)	18.2	12.7	12.9	10.9	6.7	11.7	7.4	6.9

STANDARD INPUT WHEAT TEST
SOUTHWEST RESEARCH & EXTENSION CENTER, HOPE, AR

SOIL SERIES....Bowie silt loam
PREVIOUS CROP...Fallow
PLANTING DATE....November 1, 2007
FERTILIZER....90 lb/A of 0-0-60 on October 22, 2007; 120 lb 34-0-0/A on Feb. 8, 2008; 150 lb 34-0-0/A on March 20, 2008.
HERBICIDE.... 0.6oz/A Harmony Extra + 2.66 pints Hoelon on March 1, 2008.
INSECTICIDE....None
HARVEST DATE....June 12, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	3.2	0.4	2.4	2.0	6.3	8.5	8.2	4.7	35.8
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	+0.8	-3.7	-2.3	-1.4	+3.30	+3.7	+3.1	-0.6	+3.0

Table 2. Performance of Wheat Cultivars in the Standard Input Test, Hope.

Entry Name	Yield	Test wt	2-yr avg	3-yr avg
	bu/A	lb/bu	bu/A	bu/A
AGS 2026	74.4	59.9	75.2	
LA99005UC-31-3-C	72.5	57.5	64.8	
CROPLAN GENET. 554W	70.9	58.8	68.4	65.5
LEGACY LW-117	70.7	58.5		
VA03W-409	70.6	59.3		
TERRAL TV8589	70.1	56.2		
VA03W-434	69.2	60.1		
AGRIPRO/COKER BERETTA	68.9	59.7	66.7	66.1
TERRAL TV8466	68.9	58.7	67.1	72.3
DELTA KING XTJ730	68.7	58.7	70.4	
ARMOR 9901	68.7	61.0	67.5	
AGS 2055	68.6	57.5	70.4	
TERRAL LA482	68.4	56.7	64.9	
AGRIPRO/COKER COKER9553	67.8	61.2	70.5	71.2
DELTA KING XTJ732	67.7	60.0	65.4	
ARMOR ARX9603	67.6	59.2		
DIXIE DX940	66.9	58.0		
TERRAL LA841	66.4	57.2	64.0	64.5
AGS 2031	65.1	60.4		
PIONEER 26R87	64.9	61.9	82.7	86.8
VA01W-205	64.3	60.1		
AGINW0731	63.4	58.5		
CROPLAN GENET. 8302	63.3	59.7	69.3	72.1
TERRAL TV8170	63.2	57.7	63.4	
DIXIE 989	62.8	58.4	69.5	71.2
CHESAPEAKE	62.7	60.5	72.7	77.2
AGS 2060	62.6	62.2	76.9	77.4
DIXIE 454	62.6	60.1	73.0	
ARMOR ARX 6202	62.6	60.0	71.2	
DELTA KING 7710	62.3	59.8	69.4	67.9
AGS 2020	62.3	57.8	62.6	

Table 2. Continued.

Entry Name	Yield	Test wt	2-yr avg	3-yr avg
	bu/A	lb/bu	bu/A	bu/A
LEGACY LW-262	62.3	57.3		
SABBE	62.3	58.5	61.9	60.1
PROGENY 117	62.1	56.3		
USG 3555	62.1	60.1		
DIXIE 427	61.9	60.0	62.2	
PIONEER 26R15	61.9	58.7	61.0	71.4
ARMOR 260Z	61.7	59.7	67.3	71.8
AR 97124-4-2	61.6	59.7		
AR 98105-4-1	61.6	60.6		
TERRAL TV8577	61.2	56.9		
AR96077-7-2	61.1	58.4	70.6	
LA98214D-14-1-2	61.0	57.5		
DIXIE X920	61.0	56.8		
USG 3665	60.8	60.3	69.5	70.4
HBK 3266	60.8	60.0	71.6	70.6
GA 981622-5E35	60.8	61.0		
PROGENY 127	60.7	58.3		
AGS 2050	60.5	60.7	66.3	70.1
AGRIPRO/COKER MAGNOLIA	59.9	57.9	67.3	74.4
PIONEER 26R22	59.8	58.5	66.9	75.2
USG 3209	59.8	59.0	68.5	73.9
TX4A35	59.6	57.4		
PAT	59.5	57.7	61.8	63.0
USG 3295	59.5	59.6	70.3	78.9
GA 981621-5E34	59.4	59.2		
TERRAL TV8558	59.4	59.6	64.5	68.0
PROGENY 185	59.3	59.7	68.2	71.9
DIXIE DX950	59.3	59.0		
ROANE	59.3	60.6	62.5	69.6
DELTA GROW 7400	58.8	60.9		
DIXIE X915	58.6	59.2		
AGRIPRO/COKER X3443	58.6	59.3		
LA01138D-55	58.1	57.3		
DELTA KING XTJ724	57.4	59.7	67.2	
USG 3342	56.0	59.0	65.8	
AR 98068-4-1	55.8	60.0		
PROGENY 166	55.3	59.5	54.9	57.5
DIXIE 907	55.3	58.9		
PROGENY 122	55.0	57.5		
DIXIE BELL DB2100	54.4	58.8		
DELTA KING GR9108	53.9	58.5	61.2	59.0
USG 3860	53.7	57.0		
DELTA GROW 5200	53.3	59.2	50.1	54.8
DELTA KING 9577	53.1	60.6	64.8	70.0
DIXIE BELL DB7411	53.0	55.9		
AGRIPRO/COKER D03*9804	53.0	59.0		
AGRIPRO/COKER COKER9700	52.9	59.8	45.2	
AGRIPRO/COKER W1377	52.8	60.4		
BUCK HARVEST	52.6	58.4	60.5	65.5
AR 98001-5-1	52.4	56.8		

Table 2. Continued.

Entry Name	Yield	Test wt	2-yr avg	3-yr avg
	bu/A	lb/bu	bu/A	bu/A
ARMOR 5110	52.2	59.3	54.2	56.8
JAMESTOWN	52.1	59.2	64.0	
DIXIE 900	51.9	59.3	54.2	57.6
DELTA GROW 1600	50.0	58.0		
PROGENY 145	49.5	58.5	47.5	53.5
TERRAL TV8331	49.2	58.9	55.1	66.1
DIXIE BELL DB2150	48.8	59.0		
USG 3350	48.3	59.7	52.7	56.4
DIXIE BELL DB7440	43.6	58.9	47.0	
DIXIE BELL DB2125	43.5	58.5		
Grand mean	60.1	59.0		
LSD (5%)	15.2	1.5		
C.V. (%)	18.2	1.8		

STANDARD INPUT WHEAT TEST
NORTHEAST RESEARCH & EXTENSION CENTER, KEISER, AR

SOIL SERIES....Sharkey silty clay
PREVIOUS CROP...Fallow
PLANTING DATE....October 10, 2007
FERTILIZER....60lb N/A on Feb. 22, 2008; 70 lb N/A on March 22, 2008
HERBICIDE....0.6 oz/A Harmony Extra on March 7, 2008
INSECTICIDE....None
HARVEST DATE....June 16, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	6.8	4.7	6.1	2.3	3.1	4.7	7.9	5.6	41.2
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	+4.4	+0.6	+1.4	-1.1	+0.1	-0..1	+2.8	+0.3	+8.4

Table 3. Performance of Wheat Cultivars in the Standard Input Test, Keiser.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date
	bu/A	lb/bu	in		
TERRAL TV8589	83.5	55.4	40	4-28	6-02
CROPLAN GENET. 8302	80.7	60.3	38	4-27	5-31
AGRIPRO/COKER W1377	79.5	60.5	38	4-30	6-01
AGRIPRO/COKER MAGNOLIA	79.4	59.4	40	4-24	5-27
PIONEER 26R15	78.4	58.2	38	4-27	5-29
PROGENY 117	77.9	59.3	38	4-21	5-18
DIXIE BELL DB2100	77.4	59.0	39	4-28	6-01
DIXIE 427	76.2	58.3	40	4-27	5-29
JAMESTOWN	75.8	61.3	35	4-22	5-25
DIXIE BELL DB7411	75.7	58.8	38	4-22	5-27
CROPLAN GENET. 554W	75.1	57.1	34	4-28	5-30
USG 3295	74.9	59.9	38	4-26	5-28
AGS 2055	74.5	55.8	40	4-28	6-01
AGRIPRO/COKER X3443	73.7	59.5	37	4-24	5-26
VA01W-205	73.5	59.3	34	4-26	5-26
ARMOR ARX9603	73.0	60.1	37	4-24	5-26
DELTA GROW 7400	72.8	59.2	42	4-29	5-31
USG 3555	71.8	59.0	34	4-25	5-28
AGRIPRO/COKER BERETTA	71.8	58.0	36	4-28	5-31
VA03W-409	71.7	56.7	36	4-28	5-31
AGS 2031	71.6	59.4	37	4-25	5-26
DIXIE DX940	71.5	58.1	43	4-27	5-28
DIXIE 454	71.4	59.8	36	4-27	5-29
HBK 3266	71.2	59.6	39	4-21	5-18
LA98214D-14-1-2	71.2	59.5	37	4-20	5-24
AGRIPRO/COKER COKER9553	71.1	61.2	36	4-25	5-26
GA 981622-5E35	71.1	60.3	41	4-21	5-19
CHESAPEAKE	70.4	59.7	37	4-24	5-28
DIXIE 989	70.1	58.5	38	4-28	5-30
ARMOR ARX 6202	70.0	57.7	37	4-30	6-02

Table 3. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date
	bu/A	lb/bu	in		
GA 981621-5E34	69.6	60.6	42	4-26	6-01
PROGENY 185	69.6	58.4	37	4-27	5-30
DIXIE X920	69.6	56.2	37	4-28	5-30
TERRAL TV8558	69.4	58.2	38	4-27	5-28
ARMOR 9901	69.4	61.0	35	4-27	5-27
DELTA KING 7710	69.2	59.6	40	4-28	6-01
TX4A35	68.8	57.8	37	4-22	5-17
ARMOR 260Z	68.8	58.9	38	4-28	5-28
DIXIE DX950	68.8	58.5	38	4-27	5-31
AGS 2026	68.8	57.6	37	4-24	5-26
AGRIPRO/COKER D03*9804	68.8	59.2	37	4-27	5-30
AGS 2050	68.7	57.9	38	4-26	5-27
DELTA KING XTJ732	68.4	58.0	37	4-28	6-03
AGS 2060	68.2	61.3	39	4-22	5-28
VA03W-434	68.1	56.7	34	4-28	6-02
DELTA GROW 1600	68.1	58.4	39	4-28	5-30
TERRAL TV8170	68.1	55.5	34	4-29	5-31
DELTA KING XTJ730	68.0	56.3	38	4-28	5-31
ARMOR 5110	67.6	59.6	36	4-28	5-31
TERRAL LA841	67.6	58.6	38	4-21	5-24
AR96077-7-2	67.6	59.1	35	4-27	6-01
PROGENY 166	67.2	59.6	39	4-26	5-31
USG 3860	67.1	55.5	37	5-01	6-01
AGRIPRO/COKER COKER9700	66.8	60.5	36	4-20	5-23
PROGENY 122	66.7	57.5	38	4-30	6-01
DIXIE 907	66.3	59.5	40	4-27	5-31
DELTA GROW 5200	66.2	59.0	40	4-28	5-31
AR 98001-5-1	66.1	58.5	39	4-24	5-28
PROGENY 145	65.6	59.7	40	4-27	5-26
DELTA KING 9577	65.2	58.9	35	4-28	5-29
DIXIE BELL DB2150	65.1	59.0	38	4-25	5-26
AGINW0731	64.9	57.8	37	4-29	6-02
LA99005UC-31-3-C	64.9	59.6	33	4-18	5-24
USG 3665	64.8	58.8	38	4-29	6-01
PIONEER 26R22	64.6	58.4	38	4-28	6-01
AR 98105-4-1	64.4	61.0	39	4-27	5-28
DIXIE X915	64.3	56.3	40	4-30	6-02
USG 3209	63.4	58.3	34	4-24	5-28
LEGACY LW-262	63.4	56.0	37	4-29	6-02
DIXIE BELL DB7440	63.4	60.1	39	4-26	5-28
SABBE	63.3	56.9	39	4-30	6-03
ROANE	62.8	59.5	35	5-02	6-02
AGS 2020	62.0	60.2	37	4-18	5-27
PIONEER 26R87	61.5	61.4	36	4-24	5-26
USG 3350	61.1	59.6	37	4-25	5-29
AR 98068-4-1	61.1	59.0	40	4-29	6-02
DELTA KING GR9108	60.7	58.8	38	4-21	5-25
PROGENY 127	60.3	57.8	39	4-29	6-01

Table 3. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date
	bu/A	lb/bu		in	
TERRAL TV8466	59.6	56.8	38	4-28	5-29
PAT	59.0	58.3	39	5-03	6-02
AR 97124-4-2	57.2	57.1	39	4-29	6-01
LA01138D-55	55.9	56.7	38	4-21	5-26
TERRAL TV8577	55.5	56.6	37	4-21	5-23
LEGACY LW-117	55.1	58.0	38	4-29	6-01
TERRAL TV8331	54.7	58.7	38	4-26	5-31
TERRAL LA482	54.6	55.5	39	4-22	5-21
DIXIE 900	53.3	59.8	41	4-26	5-29
DELTA KING XTJ724	53.1	56.9	40	4-30	5-30
DIXIE BELL DB2125	52.5	59.3	39	4-26	5-28
USG 3342	51.0	57.2	33	4-26	5-26
BUCK HARVEST	46.8	58.4	40	5-03	6-02
Grand mean	67.1	58.6	38	4-26	5-29
LSD (5%)	11.8	1.5	3	2	5
C.V. (%)	12.7	1.8	6	3	4

Pt. ht. = Plant height. Due to the high variability of the 2006-2007 test no two or three year averages were reported.

STANDARD INPUT WHEAT TEST
VEGETABLE SUBSTATION, KIBLER, AR

SOIL SERIES....Roxanna silt loam
PREVIOUS CROP...Fallow
PLANTING DATE....October 26, 2007
FERTILIZER....90 lb N/A + 24 lb S/A on Feb. 29, 2008; 45 lb N/A +24 lb S/A on March 11, 2008
HERBICIDE....none
INSECTICIDE....None
HARVEST DATE....June 23, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	6.7	0.6	3.4	0.5	3.6	10.3	8.4	4.1	37.6
Normal	3.3	3.2	2.8	2.4	2.7	3.9	4.2	4.6	27.1
Departure	+3.4	-2.6	+0.6	-1.9	+0.9	+6.4	+4.2	-0.5	+10.5

Table 4. Performance of Wheat Cultivars in the Standard Input Test, Kibler.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
VA03W-434	81.9	50.7	0	39	4-21	5-30
USG 3295	81.6	51.0	13	40	4-26	6-02
VA03W-409	80.0	50.3	0	39	4-23	5-31
AGRIPRO/COKER BERETTA	79.0	46.3	0	41	4-22	5-31
GA 981621-5E34	78.2	53.0	0	40	4-23	6-02
ROANE	76.9	50.8	0	39	4-23	5-31
PIONEER 26R15	76.1	51.2	0	40	4-23	5-30
VA01W-205	75.8	51.3	18	39	4-22	5-31
DELTA KING XTJ732	75.1	53.0	5	40	4-23	6-02
DIXIE BELL DB2100	74.9	45.3	3	37	4-23	5-31
DELTA KING XTJ730	74.8	51.1	20	39	4-24	6-01
AGINW0731	74.3	51.2	8	41	4-24	5-31
DIXIE 427	74.3	50.2	0	40	4-22	6-01
AGRIPRO/COKER W1377	74.3	51.3	0	42	4-23	6-02
ARMOR ARX 6202	74.3	50.0	18	37	4-21	5-30
TERRAL TV8589	73.7	51.4	0	41	4-24	6-02
AGRIPRO/COKER MAGNOLIA	73.6	52.1	0	41	4-22	5-31
PIONEER 26R22	72.9	52.4	18	39	4-23	6-01
DIXIE 989	72.8	49.2	0	41	4-24	5-30
ARMOR 5110	72.8	50.4	13	40	4-24	6-02
AGS 2031	72.8	53.8	0	41	4-24	5-31
AGS 2060	72.6	54.0	13	41	4-25	6-02
USG 3555	72.3	52.9	0	39	4-23	5-31
AGS 2055	71.9	49.8	0	40	4-23	6-01
USG 3665	71.8	52.1	8	42	4-23	6-01
DELTA GROW 1600	71.3	50.4	0	39	4-23	6-01
AGS 2050	70.9	52.9	18	41	4-21	5-30
CROPLAN GENET. 8302	70.6	51.3	0	40	4-24	6-01
TERRAL TV8466	70.4	51.3	0	42	4-25	6-02
ARMOR ARX9603	70.1	50.5	18	37	4-23	5-31
PROGENY 185	69.9	52.3	0	38	4-25	6-01

Table 4. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
JAMESTOWN	69.5	54.7	0	39	4-24	6-02
DELTA KING 7710	69.2	49.7	0	40	4-23	6-01
AGRIPRO/COKER X3443	68.8	51.2	0	38	4-23	6-01
ARMOR 260Z	68.8	53.1	5	40	4-24	6-02
DIXIE X920	68.6	49.5	0	40	4-23	6-01
USG 3209	68.2	49.9	5	41	4-24	6-02
HBK 3266	68.0	52.7	0	40	4-25	6-02
ARMOR 9901	67.7	51.1	5	39	4-23	6-01
DELTA KING XTJ724	66.8	53.3	3	40	4-24	6-02
BUCK HARVEST	66.4	50.5	0	37	4-23	5-31
PAT	66.4	50.1	10	41	4-23	6-01
PROGENY 122	66.4	49.9	0	38	4-24	6-01
DELTA GROW 7400	66.3	51.6	0	40	4-25	6-01
AR 97124-4-2	66.3	53.1	0	41	4-22	5-31
TERRAL LA841	66.0	50.0	0	39	4-24	5-31
TERRAL TV8170	65.9	48.2	3	40	4-23	6-01
DIXIE X915	65.8	49.4	0	40	4-23	6-01
DIXIE DX950	65.7	52.2	5	40	4-26	6-02
CROPLAN GENET. 554W	65.3	50.4	0	38	4-24	6-01
AR 98105-4-1	65.1	51.9	0	40	4-24	6-03
LA01138D-55	64.9	49.8	3	41	4-23	6-01
PROGENY 127	64.7	50.1	0	37	4-21	5-29
LA99005UC-31-3-C	63.9	50.5	3	39	4-25	6-02
GA 981622-5E35	63.8	51.6	0	40	4-21	5-31
DELTA GROW 5200	63.6	52.0	0	40	4-24	6-02
AGRIPRO/COKER COKER9700	62.9	51.6	0	38	4-22	6-01
TERRAL TV8558	62.8	53.8	5	39	4-24	6-01
DIXIE 454	62.7	53.1	0	39	4-23	5-31
TX4A35	62.2	49.3	0	40	4-24	6-02
DIXIE 907	61.7	50.8	0	38	4-22	5-31
AGRIPRO/COKER D03*9804	61.3	49.7	10	41	4-21	6-01
PIONEER 26R87	60.7	54.2	3	42	4-24	6-02
LA98214D-14-1-2	60.4	49.3	0	39	4-22	5-30
AR 98068-4-1	60.4	53.8	0	39	4-21	5-30
USG 3860	60.1	46.9	15	39	4-24	5-26
LEGACY LW-262	59.3	48.1	0	41	4-23	6-01
TERRAL TV8331	59.3	50.0	0	40	4-23	5-31
CHESAPEAKE	59.2	52.0	18	38	4-24	6-02
DIXIE DX940	58.7	52.7	0	39	4-23	6-02
AGRIPRO/COKER COKER9553	57.8	52.9	3	41	4-24	6-01
AR96077-7-2	57.0	49.6	5	41	4-24	6-02
USG 3342	56.8	47.1	0	40	4-25	6-03
DIXIE 900	55.6	50.3	0	39	4-22	5-31
AGS 2026	54.0	47.5	0	40	4-23	5-31
PROGENY 117	52.9	52.4	0	40	4-24	5-31
PROGENY 166	52.8	53.6	0	40	4-25	6-01
LEGACY LW-117	52.0	49.9	3	41	4-23	6-02
PROGENY 145	51.4	51.9	3	40	4-25	6-02

Table 4. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
SABBE	50.7	49.0	10	41	4-25	6-03
USG 3350	50.0	51.4	0	41	4-22	5-30
DIXIE BELL DB2125	48.7	50.5	0	39	4-23	6-01
TERRAL LA482	48.5	49.9	0	39	4-22	5-31
DIXIE BELL DB7411	47.5	51.6	3	39	4-23	6-02
AR 98001-5-1	47.0	50.5	23	40	4-24	6-02
TERRAL TV8577	44.6	49.2	0	40	4-24	6-01
DELTA KING 9577	44.4	48.2	13	39	4-23	6-01
DIXIE BELL DB2150	42.0	53.1	0	39	4-23	5-30
DELTA KING GR9108	40.3	49.2	15	38	4-21	6-01
AGS 2020	38.6	52.4	5	40	4-24	6-01
DIXIE BELL DB7440	37.3	53.8	0	40	4-21	5-31
Grand mean	64.2	51.0	4	40	4-23	6-01
LSD (5%)	11.5	3.4	18	4	3	4
C.V. (%)	12.9	4.8	345	7	4	3

Pt ht = Plant height. Due to the high variability of the 2006-2007 test no two or three year averages were reported.

STANDARD INPUT WHEAT TEST
LON MANN COTTON RESEARCH STATION, MARIANNA, AR

SOIL SERIES....Loring silt loam
PREVIOUS CROP....Fallow
PLANTING DATE....November 1, 2007
FERTILIZER.... 100 lb/A 0-46-0 + 100 lb/A 0-0-60 on October 15, 2007; 90 lb N/A + 24 lb/S/A on Feb. 20, 2008; 60 lb N/A on March 12, 2008
HERBICIDE....4.7oz/A Osprey on February 10, 2008
INSECTICIDE....None
HARVEST DATE....June 16, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	4.0	3.1	6.2	3.4	2.6	5.3	11.0	3.9	39.5
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	+1.0	-1.3	+1.4	-1.0	-1.5	-0.1	+5.5	-1.3	+2.7

Table 5. Performance of Wheat Cultivars In the Standard Input Test, Marianna.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
VA03W-409	100.8	58.0	4	38	4-21	5-25
DIXIE 454	96.9	58.5	6	40	4-21	5-22
AGS 2031	96.8	58.1	13	36	4-13	5-17
USG 3555	96.7	54.1	0	35	4-12	5-21
ARMOR 9901	96.1	58.4	8	38	4-18	5-24
GA 981621-5E34	96.0	56.6	0	44	4-17	5-26
USG 3295	94.9	58.8	18	37	4-13	5-20
GA 981622-5E35	94.7	59.6	0	41	4-09	5-22
USG 3665	92.9	54.8	10	42	4-20	5-23
AGS 2026	92.6	57.4	13	37	4-10	5-11
CHESAPEAKE	92.2	57.7	40	37	4-15	5-16
ARMOR ARX 6202	91.6	56.0	21	40	4-23	5-26
PROGENY 166	91.4	55.6	10	44	4-20	5-22
AGS 2060	91.3	58.6	0	42	4-10	5-11
DIXIE DX940	91.2	57.0	18	44	4-19	5-23
TERRAL TV8558	90.8	52.7	28	39	4-18	5-18
DIXIE BELL DB2100	90.2	56.2	40	41	4-18	5-21
PROGENY 185	90.2	56.2	3	40	4-15	5-20
AR 98001-5-1	89.8	53.1	6	41	4-13	5-17
PIONEER 26R15	89.8	56.5	1	40	4-21	5-25
DIXIE DX950	89.5	56.3	39	40	4-18	5-21
JAMESTOWN	89.3	58.2	4	38	4-08	5-11
AR 97124-4-2	89.3	58.0	30	44	4-22	5-26
AGRIPRO/COKER COKER9553	89.3	56.4	3	41	4-16	5-19
AGRIPRO/COKER X3443	89.3	53.2	50	39	4-15	5-19
DELTA KING XTJ730	89.0	53.9	20	41	4-20	5-24
HBK 3266	88.9	57.6	3	42	4-10	5-10
TERRAL LA482	88.7	54.1	18	41	4-13	5-15
USG 3209	88.5	55.8	60	35	4-13	5-15
PIONEER 26R87	88.4	57.0	0	38	4-09	5-12

Table 5. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
PROGENY 117	87.8	56.1	26	42	4-13	5-12
CROPLAN GENET. 8302	87.4	53.6	5	42	4-18	5-23
VA01W-205	87.4	55.5	39	34	4-16	5-18
DIXIE BELL DB7411	87.3	55.8	41	42	4-14	5-17
ARMOR 260Z	86.7	54.4	23	40	4-19	5-22
DIXIE X920	86.1	54.2	18	42	4-20	5-21
AGRIPRO/COKER COKER9700	86.1	57.3	11	39	4-14	5-16
AR96077-7-2	85.6	56.1	26	36	4-17	5-18
DELTA KING 7710	85.4	55.7	28	44	4-22	5-28
LA98214D-14-1-2	85.3	54.6	49	39	4-10	5-12
AR 98105-4-1	85.3	58.2	14	42	4-14	5-16
AGRIPRO/COKER MAGNOLIA	85.3	56.2	1	41	4-16	5-25
TERRAL TV8466	84.9	53.3	23	41	4-20	5-20
USG 3350	84.6	56.8	15	43	4-16	5-23
PAT	84.5	55.5	1	43	4-21	5-24
TERRAL TV8170	83.7	51.6	21	36	4-21	5-23
CROPLAN GENET. 554W	83.6	53.4	54	38	4-18	5-21
ARMOR 5110	83.6	55.7	18	44	4-20	5-24
ARMOR ARX9603	83.3	57.3	36	39	4-12	5-15
DELTA KING GR9108	83.2	56.5	6	42	4-13	5-15
VA03W-434	82.9	54.2	5	36	4-19	5-24
AGS 2050	82.3	56.0	6	40	4-18	5-25
LEGACY LW-262	81.8	50.2	26	39	4-22	5-25
TERRAL TV8577	81.7	54.8	18	42	4-12	5-14
DELTA KING XTJ724	81.3	55.7	14	45	4-24	5-27
TERRAL TV8589	81.3	52.4	29	42	4-18	5-13
PIONEER 26R22	81.2	56.8	13	42	4-18	5-22
DELTA KING 9577	81.2	54.7	14	40	4-19	5-23
DELTA GROW 7400	81.2	55.3	11	43	4-24	5-26
LEGACY LW-117	81.2	53.2	30	45	4-23	5-24
ROANE	81.0	55.7	41	38	4-21	5-21
DIXIE 907	80.6	55.3	9	45	4-23	5-24
LA01138D-55	80.1	54.5	14	41	4-09	5-22
DELTA GROW 5200	79.9	52.7	10	43	4-22	5-24
PROGENY 122	79.8	51.2	24	44	4-22	5-25
AGRIPRO/COKER BERETTA	79.7	49.8	11	40	4-22	5-24
DIXIE 900	79.5	55.7	14	45	4-20	5-21
LA99005UC-31-3-C	79.3	54.5	9	38	4-10	5-20
DIXIE BELL DB7440	79.2	57.4	8	43	4-18	5-22
DIXIE 427	78.6	52.6	73	40	4-17	5-21
DELTA KING XTJ732	78.5	53.2	0	40	4-23	5-25
DELTA GROW 1600	78.3	49.3	13	41	4-22	5-22
BUCK HARVEST	78.3	55.8	0	43	4-24	5-24
AGRIPRO/COKER D03*9804	77.8	51.2	16	40	4-18	5-21
USG 3860	77.4	50.6	20	39	4-23	5-25
TERRAL TV8331	77.4	53.5	21	42	4-17	5-21
DIXIE 989	77.0	53.2	14	41	4-22	5-25
AR 98068-4-1	77.0	57.3	25	42	4-18	5-18
DIXIE BELL DB2150	76.8	53.8	3	44	4-17	5-19
AGS 2020	76.2	56.6	13	38	4-08	5-10

Table 5. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
		bu/A	lb/bu	%	in	
AGS 2055	76.1	50.8	23	42	4-21	5-24
SABBE	76.0	53.2	19	43	4-23	5-22
DIXIE X915	74.6	53.2	38	43	4-22	5-25
AGINW0731	74.4	55.4	4	39	4-21	5-24
TX4A35	73.6	53.9	30	37	4-12	5-14
DIXIE BELL DB2125	72.6	55.3	16	43	4-19	5-23
AGRIPRO/COKER W1377	72.4	56.2	6	40	4-22	5-25
USG 3342	70.6	51.1	58	36	4-11	5-12
PROGENY 145	69.4	56.9	6	42	4-17	5-20
TERRAL LA841	68.9	55.7	21	39	4-14	5-18
PROGENY 127	64.3	47.7	15	42	4-23	5-25
Grand mean	84.0	55.0	18	41	4-17	5-20
LSD (5%)	12.7	3.6	19	2	3	1
C.V. (%)	10.9	4.8	76	4	4	1

Pt ht = Plant height. Due to the high variability of the 2006-2007 test no two or three year averages were reported.

STANDARD INPUT WHEAT TEST
NEWPORT, AR

SOIL SERIES....Beulah fine sandy loam
PREVIOUS CROP...Soybean
PLANTING DATE....November 1, 2007
FERTILIZER....70 lb N/A + 24 lb S/A on Feb. 15, 2007; 50 lb N/A on March 5, 2007
HERBICIDE....0.3 oz/A Finesse on Nov. 1, 2007; 8.2 oz/A Axil on Dec.. 12, 2007; 0.5 pt/A 2,4-D + Dicamba on Feb. 26, 2008
FUNGICIDE... 4 oz/A Propimax on April 26
INSECTICIDE....None
HARVEST DATE....June 23, 2008
PRECIPITATION....

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	4.5	2.4	7.0	1.4	5.1	9.4	9.7	1.8	41.3
Normal	3.7	5.5	4.7	3.5	3.4	4.9	5.0	4.8	35.5
Departure	+0.8	-3.1	+2.3	-2.1	+1.7	+4.5	+4.7	-3.0	+5.8

Table 6. Performance of Wheat Cultivars in the Standard Input Test, Newport.

Entry Name	Yield	Test wt	Pt ht	Head date
	bu/A	lb/bu	in	
VA03W-409	90.7	54.6	35	4-30
USG 3555	88.9	57.0	36	4-25
CROPLAN GENET. 8302	85.7	56.5	38	5-01
DIXIE DX950	85.4	54.4	38	4-30
PIONEER 26R15	85.4	55.1	37	4-30
DIXIE BELL DB2100	84.5	55.6	39	4-29
USG 3295	83.2	56.4	35	4-27
PIONEER 26R22	83.1	54.5	40	4-29
AGS 2031	83.0	55.5	36	4-27
CROPLAN GENET. 554W	82.8	52.7	35	4-27
USG 3209	82.0	56.2	36	4-27
GA 981622-5E35	82.0	57.3	39	4-27
TERRAL TV8170	82.0	51.6	36	5-02
DIXIE 454	81.5	56.8	38	4-25
DIXIE BELL DB7411	81.4	57.3	40	4-27
VA01W-205	81.4	54.9	34	4-27
DELTA KING 9577	80.5	54.2	38	4-29
PROGENY 117	79.9	57.6	38	4-27
ARMOR 9901	79.7	56.8	37	4-24
USG 3860	79.1	52.4	38	5-02
DIXIE 989	78.8	53.3	39	5-01
DELTA GROW 1600	78.3	53.5	38	5-01
DELTA KING XTJ730	78.2	51.2	37	4-29
PIONEER 26R87	77.8	58.5	37	4-27
TERRAL TV8558	77.8	53.8	39	4-29
USG 3665	77.7	52.7	39	4-29
TERRAL TV8331	77.2	54.2	39	4-30
AGS 2020	76.8	58.9	40	4-24
AGINW0731	76.5	53.9	36	4-29

Table 6. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date
	bu/A	lb/bu	in	
DIXIE X920	76.4	52.7	39	4-28
PROGENY 185	76.1	56.2	37	4-25
ARMOR 260Z	75.9	52.9	38	4-29
JAMESTOWN	75.6	58.8	36	4-24
ARMOR ARX 6202	74.9	55.6	38	5-03
VA03W-434	74.8	53.0	34	4-28
AGRIPRO/COKER X3443	74.7	53.2	38	5-01
AGRIPRO/COKER COKER9553	73.8	58.5	37	4-25
AGS 2050	73.7	57.1	39	4-28
USG 3342	73.7	56.0	35	4-25
AGRIPRO/COKER BERETTA	73.6	53.0	37	5-02
AGRIPRO/COKER COKER9700	73.4	56.8	38	4-23
AGRIPRO/COKER W1377	73.4	57.8	39	5-02
DELTA KING 7710	73.0	56.3	39	4-30
DIXIE DX940	72.6	54.6	41	4-25
AR 98105-4-1	72.4	56.5	40	5-01
AGS 2026	72.3	56.8	37	4-25
DIXIE 907	72.0	54.1	39	5-01
LEGACY LW-262	71.4	53.8	37	5-01
DIXIE X915	71.4	54.8	40	5-02
DIXIE 427	71.3	53.0	38	4-27
TERRAL LA482	70.8	53.6	40	5-01
AGS 2055	70.7	51.2	42	4-30
AGRIPRO/COKER MAGNOLIA	70.7	53.6	39	5-01
GA 981621-5E34	70.7	56.3	40	5-03
TX4A35	70.5	53.6	35	4-26
CHESAPEAKE	70.4	55.6	39	4-27
ARMOR ARX9603	70.3	56.1	38	4-27
HBK 3266	70.3	56.7	40	4-28
LA98214D-14-1-2	70.2	55.7	36	4-25
DIXIE BELL DB2125	70.2	55.8	42	4-29
TERRAL TV8466	69.5	54.4	37	5-02
DELTA KING XTJ724	69.3	56.5	41	5-02
DIXIE 900	69.2	54.2	41	5-01
AGRIPRO/COKER D03*9804	68.9	54.1	39	4-29
AGS 2060	68.9	55.9	42	4-27
ROANE	68.5	58.3	36	5-03
DIXIE BELL DB2150	68.2	56.4	41	4-27
TERRAL TV8589	67.9	52.1	37	5-01
DELTA KING XTJ732	67.8	54.7	39	4-30
PAT	67.8	55.7	39	5-05
TERRAL TV8577	67.5	53.8	41	4-27
PROGENY 122	67.3	55.8	39	5-02
LA99005UC-31-3-C	66.9	55.2	35	4-27
ARMOR 5110	66.6	53.6	38	5-01
BUCK HARVEST	66.3	56.1	41	5-05
DIXIE BELL DB7440	65.7	56.6	43	4-27
PROGENY 145	65.4	54.9	41	4-30
AR 97124-4-2	65.3	53.6	38	4-30
DELTA GROW 7400	65.1	56.3	41	5-02

Table 6. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date
	bu/A	lb/bu	in	
AR 98001-5-1	65.0	54.8	38	4-30
PROGENY 166	64.8	54.7	40	4-29
DELTA GROW 5200	64.6	53.6	40	5-02
TERRAL LA841	64.3	53.6	39	4-30
DELTA KING GR9108	62.8	55.9	40	4-27
SABBE	62.4	54.5	39	5-03
USG 3350	62.3	54.3	39	5-01
LA01138D-55	60.3	55.3	38	4-30
AR 98068-4-1	59.9	57.9	41	5-03
AR96077-7-2	59.4	54.7	38	5-01
PROGENY 127	57.9	52.9	38	5-02
LEGACY LW-117	55.2	54.8	40	5-03
Grand mean	72.9	55.1	38	4-29
LSD (5%)	6.7	1.4	4	
C.V. (%)	6.7	1.9	7	

Pt ht = Plant height. Due to the high variability of the 2006-2007 test no two or three year averages were reported.

STANDARD INPUT WHEAT TEST
SOUTHEAST BRANCH STATION, ROHWER, AR

SOIL SERIES....Sharkey/Desha silt loam
PREVIOUS CROP...Corn
PLANTING DATE....November 1, 2007
FERTILIZER.... 138 lb/A of 3-14-43 on October 30, 2007; 90 lb N/A + 24 lb S/A on March. 3, 2008; 60 lb N/A on March 23, 2008.
HERBICIDE....0.6 oz/A Harmony Extra & 16 oz/A Axial XL on March 5, 2008
INSECTICIDE....None
HARVEST DATE....June 12, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	3.5	2.7	4.7	1.8	4.8	3.4	7.8	4.2	32.9
Normal	4.5	5.6	6.7	3.4	5.5	5.2	3.5	4.7	39.1
Departure	-1.0	-2.9	-2.0	-1.6	-0.7	-1.8	+4.3	-0.5	-6.2

Table 7. Performance of Wheat Cultivars in the Standard Input Test, Rohwer.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-yr avg	3-yr avg
	bu/A	lb/bu		in	bu/A	bu/A	
AGS 2060	109.2	58.3	42	4-09	5-23	85.1	87.3
DIXIE 427	108.3	58.0	41	4-18	5-24	106.9	
DIXIE 900	108.0	59.2	45	4-17	5-24	103.6	92.3
DELTA KING XTJ730	106.4	57.7	41	4-19	5-24	107.4	
GA 981621-5E34	105.3	60.2	44	4-17	5-27		
CROPLAN GENET. 8302	105.2	59.0	40	4-20	5-25	98.5	97.6
GA 981622-5E35	104.5	59.3	42	4-08	5-21		
AGS 2031	104.4	59.3	38	4-12	5-21		
TERRAL TV8170	104.3	56.2	37	4-21	5-25	103.8	
TERRAL TV8589	104.1	56.3	40	4-20	5-26		
HBK 3266	103.1	59.2	43	4-11	5-20	90.2	90.2
AGRIPRO/COKER W1377	102.7	60.3	41	4-20	5-25		
DIXIE BELL DB7411	101.8	57.6	42	4-10	5-20		
DIXIE DX940	101.5	57.8	44	4-18	5-23		
DIXIE BELL DB2100	101.3	57.3	40	4-20	5-25		
PIONEER 26R15	101.3	56.7	39	4-20	5-25	95.6	93.2
DELTA GROW 1600	101.1	58.4	42	4-20	5-25	104.6	98.5
PROGENY 117	100.3	57.8	41	4-10	5-21		
USG 3295	100.2	58.9	39	4-14	5-21	91.0	90.2
LA98214D-14-1-2	100.1	58.3	42	4-08	5-13		
ARMOR 260Z	99.9	59.0	41	4-18	5-23	102.8	95.5
DIXIE 454	99.6	59.6	42	4-18	5-24	103.4	
VA03W-434	98.8	58.5	35	4-19	5-24		
PROGENY 185	98.7	57.8	40	4-18	5-25	98.5	90.5
AGS 2026	98.7	59.1	39	4-12	5-19	72.2	
TERRAL TV8466	98.6	54.8	40	4-19	5-24	95.4	92.3
ARMOR 5110	98.4	58.5	42	4-21	5-25	96.4	90.4
TX4A35	98.4	56.3	38	4-10	5-20		
AGRIPRO/COKER MAGNOLIA	98.1	58.5	42	4-14	5-21	72.0	76.2

Table 7. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-yr avg	3-yr avg
	bu/A	lb/bu	in			bu/A	bu/A
ARMOR ARX9603	97.8	58.9	42	4-13	5-21		
PIONEER 26R87	97.6	59.7	40	4-11	5-21	79.6	84.0
LEGACY LW-262	97.6	57.5	43	4-22	5-28		
PIONEER 26R22	97.3	57.6	40	4-22	5-27	100.5	98.6
USG 3860	97.3	57.6	38	4-22	5-26		
AGS 2055	97.1	57.6	42	4-20	5-26	99.3	
DELTA KING GR9108	96.9	57.7	45	4-09	5-20	78.4	79.1
DELTA KING 9577	96.8	59.0	41	4-18	5-23	97.9	94.8
DIXIE BELL DB2150	96.8	58.3	43	4-17	5-22		
AGRIPRO/COKER BERETTA	96.7	58.7	39	4-21	5-27	96.9	88.9
AGRIPRO/COKER D03*9804		96.6	58.1	39	4-21	5-24	
ARMOR ARX 6202	96.6	60.2	40	4-22	5-25	97.6	
DIXIE BELL DB7440	96.5	59.1	44	4-15	5-22	91.9	
DIXIE X920	96.3	55.9	41	4-21	5-25		
AR 98001-5-1	96.0	58.6	41	4-11	5-21		
DELTA GROW 5200	95.6	59.0	43	4-17	5-25	98.1	92.9
JAMESTOWN	95.5	59.8	38	4-10	5-19	71.5	
DIXIE BELL DB2125	95.1	58.4	43	4-19	5-25		
DELTA KING XTJ732	95.0	59.2	42	4-22	5-28	100.0	
DIXIE 907	94.7	58.8	43	4-20	5-25		
TERRAL LA841	94.3	56.7	40	4-11	5-19	68.4	73.1
AGS 2050	94.1	58.4	41	4-17	5-25	93.3	89.3
PROGENY 122	94.0	57.8	42	4-22	5-27		
AGRIPRO/COKER X3443	93.8	57.9	39	4-12	5-18		
VA01W-205	93.7	58.7	36	4-18	5-22		
ARMOR 9901	93.6	60.0	39	4-16	5-22	89.3	
USG 3555	93.2	58.1	35	4-15	5-23		
DIXIE X915	93.1	57.6	41	4-22	5-26		
PROGENY 166	92.5	58.7	43	4-19	5-24	91.4	83.9
DELTA GROW 7400	92.3	59.7	42	4-22	5-26		
LEGACY LW-117	92.1	58.6	43	4-22	5-26		
USG 3350	91.6	57.7	43	4-18	5-24	92.0	87.7
USG 3665	91.3	57.6	40	4-21	5-24	94.8	93.2
CROPLAN GENET. 554W	91.3	57.4	38	4-18	5-24	82.9	79.7
DIXIE 989	91.2	57.2	39	4-22	5-25	97.3	92.9
CHESAPEAKE	91.1	58.8	36	4-16	5-21	88.9	85.7
AGS 2020	90.9	58.4	41	4-06	5-19	61.0	
DELTA KING XTJ724	90.7	59.0	42	4-23	5-26	93.8	
AGRIPRO/COKER COKER9553	90.6	60.4	42	4-16	5-20	70.8	74.7
USG 3209	89.6	58.4	38	4-11	5-22	78.3	80.4
TERRAL TV8331	89.3	57.9	41	4-20	5-25	86.9	87.3
LA99005UC-31-3-C	88.8	57.7	37	4-06	5-17	59.0	
DIXIE DX950	88.8	58.9	38	4-20	5-24		
SABBE	88.7	56.0	40	4-21	5-25	87.5	81.4
PROGENY 145	88.5	58.3	43	4-18	5-23	86.6	78.8
ROANE	87.7	60.9	37	4-23	5-26	93.3	88.8
AGRIPRO/COKER COKER9700	87.0	58.9	38	4-10	5-18	50.9	
AGINW0731	86.9	57.0	39	4-22	5-27		
TERRAL LA482	86.5	56.7	42	4-07	5-19	63.7	

Table 7. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-yr avg	3-yr avg
	bu/A	lb/bu	in			bu/A	bu/A
USG 3342	86.0	56.9	36	4-17	5-22	82.4	
AR 98105-4-1	85.8	59.4	41	4-18	5-24		
LA01138D-55	85.8	58.6	41	4-10	5-21		
PAT	85.5	58.3	42	4-25	5-27	84.5	81.6
TERRAL TV8558	85.3	58.4	38	4-21	5-24	91.1	90.2
AR 97124-4-2	84.8	58.3	42	4-21	5-26		
AR96077-7-2	84.4	58.3	38	4-18	5-21		
DELTA KING 7710	84.3	58.6	44	4-21	5-25	94.2	90.2
TERRAL TV8577	83.5	56.7	41	4-07	5-18		
VA03W-409	83.4	56.8	36	4-21	5-26		
PROGENY 127	82.4	58.1	40	4-23	5-28		
BUCK HARVEST	77.3	58.4	42	4-25	5-27	80.2	78.5
AR 98068-4-1	75.6	59.1	43	4-23	5-28		
Grand mean	94.7	58.3	41	4-17	5-23		
LSD (5%)	15.3	1.3	3	3	2		
C.V. (%)	11.7	1.6	4	4	2		

STANDARD INPUT WHEAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR

SOIL SERIES....Crowley silt loam
PREVIOUS CROP....Fallow
PLANTING DATE....November 5, 2007
FERTILIZER.... 150 lb/A 0-0-60 and 200 lb/A 0-46-0 on Sept. 10, 2007; 70 lb N/A on Feb. 27, 2008; 50 lb N/A on March 13, 2008
HERBICIDE....none
INSECTICIDE....none
HARVEST DATE....June 6, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	7.2	2.0	4.8	2.2	4.5	4.1	9.8	3.7	38.3
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	+3.9	-2.4	+0.2	-1.6	+0.7	-0.5	+4.2	-1.7	+2.8

Table 8. Performance of Wheat Cultivars in the Standard Input Test, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Head date	Mat. date	Septoria titici	Stripe rust	Leaf rust
	bu/A	lb/bu	%			%	%	%
LA98214D-14-1-2	90.9	57.6	0	4-15	5-26	9.7	0.7	0
USG 3860	90.9	55.8	0	4-22	5-28	5.3	0	0
PROGENY 185	90.3	57.0	0	4-17	5-29	6.3	2.0	3.0
DIXIE BELL DB7440	89.7	58.2	3	4-18	5-27	10.7	0	0
DIXIE X920	88.5	55.7	0	4-20	5-28	3.7	0	1.3
DIXIE DX940	88.3	57.2	0	4-19	5-27	5.3	0.7	1.3
USG 3665	88.2	56.1	0	4-22	5-27	9.7	0.7	0.7
DIXIE 900	87.9	58.2	0	4-20	5-28	12.3	0	0.7
AGS 2055	87.3	55.5	0	4-19	5-28	5.3	0	1.3
DELTA KING XTJ730	87.0	54.7	0	4-22	5-27	7.0	0	0.7
DIXIE BELL DB2125	86.8	57.9	0	4-19	5-27	12.3	0.7	3.0
DIXIE 454	86.6	59.1	0	4-20	5-27	7.0	1.3	0
DIXIE BELL DB2100	86.3	55.8	1	4-20	5-27	9.7	0.7	0
TERRAL TV8466	85.6	56.6	0	4-21	5-27	12.3	0	0.7
DELTA KING XTJ732	85.6	56.6	0	4-23	5-27	3.7	0	0
AGRIPRO/COKER MAGNOLIA	85.6	57.4	0	4-18	5-25	12.3	0	0.7
USG 3350	85.5	58.3	0	4-22	5-27	15.0	0	0
TERRAL TV8589	85.4	56.9	0	4-21	5-27	7.0	0.7	1.3
PROGENY 166	85.3	58.1	0	4-19	5-28	9.7	0	0.7
DELTA KING 7710	84.9	59.5	0	4-23	5-26	7.0	0	0
AGS 2060	84.6	58.7	0	4-18	5-28	7.0	0.7	0
DIXIE BELL DB2150	84.5	57.8	0	4-20	5-27	9.7	0	0
ARMOR 9901	84.5	58.8	0	4-17	5-27	2.0	0	0
PIONEER 26R15	83.9	56.0	0	4-19	5-27	12.3	0	0.7
PROGENY 145	83.7	57.8	0	4-21	5-28	7.0	0	0.7
AGRIPRO/COKER BERETTA	83.6	54.5	0	4-23	5-26	19.7	0	0
ARMOR ARX 6202	83.4	58.0	0	4-24	5-28	7.0	0	0
DIXIE 989	83.2	54.8	0	4-23	5-28	9.7	0	1.3
AGINW0731	82.6	57.5	0	4-21	5-27	5.3	14.7	0.7

Table 8. Continued.

Entry Name	Yield	Test wt	Ldg	Head date	Mat. date	Septoria titici	Stripe rust	Leaf rust
	bu/A	lb/bu	%			%	%	%
CROPLAN GENET. 8302	82.6	57.7	0	4-18	5-27	9.7	0	0.7
AGRIPRO/COKER W1377	81.9	59.2	2	4-23	5-28	13.0	0.7	0
AGRIPRO/COKER X3443	81.8	56.8	1	4-19	5-23	12.3	0	0.7
USG 3555	81.4	57.1	0	4-17	5-27	7.0	0	0.7
DELTA GROW 1600	81.2	54.5	1	4-21	5-28	9.7	0	1.3
TERRAL TV8558	81.0	56.8	0	4-18	5-24	20.0	0	0.7
AGRIPRO/COKER COKER9553	81.0	60.3	0	4-15	5-23	12.3	0	1.3
AGS 2050	80.7	58.3	0	4-19	5-27	9.7	0.7	0.7
TERRAL TV8170	80.6	54.0	0	4-24	5-26	9.7	0	1.3
USG 3295	79.9	58.8	0	4-16	5-24	12.3	0	0
PROGENY 117	79.7	58.4	3	4-17	5-26	20.0	0	0.7
DIXIE DX950	79.6	57.2	0	4-20	5-27	25.0	0	1.3
LA99005UC-31-3-C	79.6	57.0	0	4-15	5-25	12.3	0	0
LEGACY LW-117	79.6	57.3	2	4-24	5-28	5.3	0	1.3
DELTA KING 9577	79.5	56.5	0	4-19	5-26	15.0	0	0
CROPLAN GENET. 554W	79.3	53.6	21	4-18	5-27	15.0	1.3	0
ARMOR 5110	79.2	57.9	0	4-23	5-27	12.3	0	0
PAT	78.9	58.7	0	4-24	5-28	8.0	0.7	0.7
DELTA GROW 7400	78.8	60.0	0	4-24	5-28	7.0	0	0
ARMOR ARX9603	78.2	58.1	1	4-16	5-26	20.0	0	1.3
JAMESTOWN	78.2	59.9	0	4-14	5-21	15.0	0	0
ARMOR 260Z	77.7	56.7	0	4-18	5-25	20.0	0	0
AGRIPRO/COKER D03*9804	77.6	56.6	1	4-18	5-26	17.3	0	1.3
GA 981622-5E35	77.4	57.9	0	4-19	5-28	7.0	0	0
VA03W-409	77.4	55.0	0	4-22	5-27	8.0	5.0	0
BUCK HARVEST	77.3	59.0	0	4-24	5-28	7.0	0	0.7
AGS 2026	77.1	57.8	0	4-15	5-24	9.7	0	0
DIXIE BELL DB7411	77.0	58.3	21	4-18	5-26	20.0	1	1.3
DIXIE 907	76.8	57.1	0	4-23	5-27	9.7	0	0
TERRAL LA841	76.8	56.2	0	4-15	5-24	17.3	0.7	0
DIXIE 427	76.3	53.9	8	4-19	5-27	15.0	0.7	0
DELTA GROW 5200	76.1	57.3	0	4-23	5-28	20.0	0	0.7
AGS 2031	75.3	58.4	0	4-16	5-25	20.0	0	0
PROGENY 122	74.9	56.2	1	4-24	5-29	9.7	0	1.3
HBK 3266	74.3	58.3	0	4-16	5-23	15.7	2.3	0
PIONEER 26R87	74.3	61.0	0	4-15	5-25	15.0	0	0
TERRAL TV8331	74.2	53.8	1	4-19	5-26	25.0	0	0.7
AGRIPRO/COKER COKER9700	74.2	56.3	0	4-14	5-22	27.3	0	0
PIONEER 26R22	73.3	55.9	1	4-18	5-27	12.3	0	0.7
VA03W-434	72.8	53.7	0	4-21	5-27	5.3	0.7	0
DELTA KING GR9108	72.6	56.2	0	4-16	5-26	12.3	0	0
GA 981621-5E34	72.4	57.5	0	4-23	5-27	7.0	0	0
DIXIE X915	72.1	56.9	0	4-24	5-27	7.0	0	1.3
SABBE	72.1	56.1	0	4-24	5-28	2.0	0	0.7
VA01W-205	71.6	55.3	2	4-18	5-23	20.0	0	0
AGS 2020	71.2	57.4	38	4-16	5-27	20.0	0	0
AR 98068-4-1	70.1	58.5	0	4-24	5-28	2.0	0.7	0.7
AR 98105-4-1	69.4	58.4	0	4-19	5-28	5.3	0	1.3
LA01138D-55	69.4	56.9	0	4-17	5-27	30.0	0	0

Table 8. Continued.

Entry Name	Yield	Test wt	Ldg	Head date	Mat. date	Septoria titici	Stripe rust	Leaf rust
	bu/A	lb/bu	%			%	%	%
CHESAPEAKE	68.1	57.5	4	4-19	5-26	31.7	1.3	0.7
DELTA KING XTJ724	67.3	57.3	1	4-24	5-28	12.3	0	0
PROGENY 127	67.1	55.8	0	4-24	5-28	9.7	0	0.7
AR96077-7-2	66.4	55.7	0	4-19	5-27	9.7	0	0
ROANE	66.3	58.4	2	4-24	5-29	12.3	0	0
AR 97124-4-2	66.2	58.2	2	4-24	5-28	3.7	0	0
TERRAL TV8577	66.2	55.2	1	4-16	5-24	20.0	0.7	0
USG 3209	64.8	55.3	5	4-16	5-23	31.7	0	0
LEGACY LW-262	63.2	53.6	1	4-23	5-27	7.0	5.7	0
AR 98001-5-1	62.1	54.4	7	4-17	5-28	17.3	0	0
TERRAL LA482	57.7	53.8	1	4-17	5-25	25.0	0	0
TX4A35	53.0	53.2	4	4-14	5-20	50.0	0	0
USG 3342	47.1	49.2	23	4-19	5-23	30.0	0	0
Grand mean	77.8	56.9	2	4-20	5-26	12.8	0.5	0.5
LSD (5%)	8.0	1.8	10	2	3	11.3	3.1	1.3
C.V. (%)	7.4	2.3	418	3	2	55.5	406	183

Due to the high variability of the 2006-2007 test no two or three year averages were reported.

HIGH INPUT WHEAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR

SOIL SERIES....Crowley silt loam
PREVIOUS CROP....Fallow
PLANTING DATE....November 5, 2007
FERTILIZER.... 150 lb/A 0-0-60 and 200 lb/A 0-46-0 on Sept. 10, 2007; 90 lb N/A on Feb. 27, 2008; 60 lb N/A on March 13, 2008
HERBICIDE....none
INSECTICIDE....None
HARVEST DATE....June 5, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	7.2	2.0	4.8	2.2	4.5	4.1	9.8	3.7	38.3
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	+3.9	-2.4	+0.2	-1.6	+0.7	-0.5	+4.2	-1.7	+2.8

Table 9. Performance of Wheat Cultivars in the High Input Test, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Head date	Mat. date
	bu/A	lb/bu	%		
DELTA KING XTJ732	105.8	59.2	0	4-18	5-28
DIXIE DX940	104.3	59.2	1	4-17	5-27
TERRAL TV8466	102.8	58.4	0	4-19	5-25
PROGENY 185	101.2	58.5	0	4-18	5-27
DIXIE 427	101.0	58.4	23	4-17	5-27
CROPLAN GENET. 8302	100.7	59.3	1	4-18	5-26
TERRAL TV8170	100.2	57.3	0	4-22	5-28
AGRIPRO/COKER MAGNOLIA	99.7	59.2	0	4-16	5-27
PROGENY 117	99.4	59.4	16	4-16	5-25
AGINW0731	99.3	59.9	0	4-19	5-27
DELTA KING XTJ730	99.3	58.6	0	4-22	5-28
DIXIE BELL DB2100	99.1	58.7	0	4-19	5-25
DIXIE BELL DB2150	98.3	59.4	0	4-19	5-28
DIXIE X920	98.0	59.1	1	4-19	5-25
GA 981621-5E34	98.0	58.6	0	4-18	5-26
AGS 2055	97.9	55.0	0	4-20	5-28
DIXIE 989	97.4	58.9	0	4-21	5-28
DIXIE 900	97.4	60.1	0	4-19	5-27
DIXIE DX950	97.3	59.8	1	4-19	5-26
PROGENY 166	96.8	58.3	0	4-19	5-28
DIXIE BELL DB2125	96.6	59.3	0	4-20	5-28
USG 3665	96.1	59.0	0	4-21	5-27
DIXIE BELL DB7440	95.9	59.8	1	4-18	5-27
AGRIPRO/COKER W1377	95.9	60.3	3	4-20	5-27
DELTA KING 7710	95.8	60.3	0	4-19	5-27
AGRIPRO/COKER X3443	95.8	58.8	0	4-17	5-24
DIXIE BELL DB7411	95.5	59.8	20	4-16	5-25
AGRIPRO/COKER D03*9804	95.1	58.2	1	4-19	5-27
ARMOR ARX 6202	94.8	60.9	0	4-20	5-27
AGS 2060	94.6	59.4	0	4-15	5-27

Table 9. Continued.

Entry Name	Yield	Test wt	Ldg	Head date	Mat. date
	bu/A	lb/bu	%		
USG 3555	94.5	59.4	0	4-15	5-24
GA 981622-5E35	94.3	58.7	0	4-16	5-27
DELTA KING 9577	93.6	60.2	0	4-19	5-25
DELTA GROW 1600	93.4	58.8	0	4-21	5-26
PIONEER 26R22	93.1	57.8	0	4-17	5-25
TERRAL TV8558	93.1	60.4	0	4-18	5-26
LA99005UC-31-3-C	92.9	59.9	0	4-14	5-25
VA01W-205	92.4	58.4	8	4-17	5-27
ARMOR ARX9603	92.3	60.2	0	4-15	5-26
DELTA GROW 5200	92.3	60.0	1	4-19	5-25
AGRIPRO/COKER BERETTA	92.0	56.5	0	4-20	5-27
DIXIE 907	91.6	59.1	0	4-20	5-26
USG 3350	91.5	59.7	0	4-17	5-27
CROPLAN GENET. 554W	91.3	57.8	22	4-17	5-26
ARMOR 260Z	90.8	60.1	0	4-16	5-23
LA98214D-14-1-2	90.8	59.0	0	4-15	5-25
ARMOR 5110	90.5	59.7	0	4-21	5-27
AGS 2031	90.4	59.9	1	4-14	5-25
VA03W-434	90.1	58.5	0	4-21	5-28
PIONEER 26R15	90.1	58.8	1	4-20	5-25
USG 3295	89.4	60.4	0	4-15	5-24
TERRAL TV8331	89.3	57.5	1	4-18	5-26
USG 3860	89.2	57.6	1	4-20	5-26
TERRAL TV8589	89.0	56.3	0	4-19	5-28
AGS 2050	88.9	59.3	1	4-18	5-25
AR 98105-4-1	88.8	59.0	1	4-19	5-26
LEGACY LW-117	88.7	58.3	6	4-23	5-28
DIXIE 454	88.6	59.3	0	4-20	5-27
PAT	87.8	59.8	0	4-20	5-27
PROGENY 145	87.6	60.0	0	4-20	5-27
DIXIE X915	87.2	59.0	4	4-21	5-28
USG 3209	86.3	59.1	0	4-15	5-22
BUCK HARVEST	86.1	60.6	0	4-20	5-28
JAMESTOWN	86.1	61.4	0	4-15	5-24
TX4A35	85.5	57.3	0	4-15	5-21
LA01138D-55	85.1	59.0	0	4-14	5-27
AGRIPRO/COKER COKER9553	85.0	60.4	0	4-15	5-23
LEGACY LW-262	84.8	55.0	0	4-20	5-27
DELTA KING GR9108	84.7	58.6	1	4-16	5-25
DELTA GROW 7400	84.1	60.5	1	4-21	5-27
ARMOR 9901	83.8	60.5	0	4-16	5-25
PROGENY 122	83.8	58.7	2	4-22	5-28
VA03W-409	83.7	56.6	0	4-21	5-26
TERRAL LA841	83.6	58.9	0	4-14	5-23
AGS 2020	83.5	58.3	3	4-14	5-26
ROANE	83.2	61.0	3	4-21	5-27
DELTA KING XTJ724	82.7	59.8	0	4-21	5-28
AR 98001-5-1	82.7	59.6	1	4-17	5-25
PROGENY 127	81.8	57.6	1	4-22	5-26

Table 9. Continued.

Entry Name	Yield	Test wt	Ldg	Head date	Mat. date
	bu/A	lb/bu	%		
AGS 2026	81.3	58.5	0	4-14	5-22
CHESAPEAKE	80.3	59.6	4	4-16	5-27
HBK 3266	80.1	58.6	0	4-15	5-27
SABBE	77.8	58.1	0	4-19	5-24
TERRAL TV8577	77.7	56.3	2	4-15	5-22
AGRIPRO/COKER COKER9700	77.5	59.7	0	4-15	5-24
PIONEER 26R87	76.7	60.7	0	4-14	5-22
TERRAL LA482	76.3	57.0	1	4-16	5-27
AR 97124-4-2	74.6	59.7	3	4-20	5-27
AR96077-7-2	74.4	57.7	0	4-15	5-25
AR 98068-4-1	73.9	60.7	4	4-22	5-27
USG 3342	65.5	56.7	2	4-17	5-24
Grand mean	90.1	59.0	2	4-18	5-26
LSD (5%)	8.6	1.6	10	3	3
C.V. (%)	6.9	2.0	466	4	3

Due to the high variability of the 2006-2007 test no two or three year averages were reported.

OAT TEST
COTTON BRANCH STATION, MARIANNA, AR

SOIL SERIES....Loring silt loam
PREVIOUS CROP....Fallow
PLANTING DATE....November 1, 2007
FERTILIZER.... 60 lb N/A + 24 lb S/A on Feb. 20, 2008; 40 lb N/A on March 12, 2008
HERBICIDE.... None
INSECTICIDE....none
HARVEST DATE....June 18, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	4.0	3.1	6.2	3.4	2.6	5.3	11.0	3.9	39.5
Normal	3	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	+1.0	-1.3	+1.4	-1.0	-1.5	-0.1	+5.5	-1.3	+2.5

Table 10. Performance of Oat Cultivars, Marianna.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-yr avg	3-yr avg
	bu/A	lb/bu	%	in	bu/A	bu/A		
OZARK	119.8	37.6	88	49	4-22	5-25	119.2	109.9
ARO 336-12	119.6	36.5	76	50	4-22	5-23	117.2	114.7
ARO 213-12	119.6	33.6	84	44	4-23	5-24	120.3	80.5
LA99017SBSBSB-275-C	119.3	35.7	55	54	4-23	5-24		
HORIZON 201	118.7	34.6	45	50	4-18	5-21		
LA99011SBSBSB-45-B-S	118.4	32.8	84	41	4-23	5-26		
LA966BSB-270-S2-C	116.2	38.0	81	43	4-16	5-21	109.7	109.0
ARNO-4	115.3	37.6	75	50	4-20	5-20	112.3	106.7
ARO 336-3	114.4	34.4	71	47	4-23	5-26	117.3	105.7
LA02048SBSBSB-S1	111.2	35.1	83	49	4-21	5-20		
LA99016SBSB-98-S	110.4	36.3	83	48	4-18	5-21	104.0	
ARO 231-3	109.8	31.6	81	41	4-24	5-27	117.9	78.9
PLOT SPIKE LA9339	109.5	37.1	68	49	4-23	5-24		
BOB	108.4	38.6	83	45	4-18	5-20	105.4	105.2
ARNO-9	106.2	38.0	90	42	4-21	5-22	53.7	65.2
HORIZON LA976	106.2	36.6	90	45	4-18	5-22		
ARNO-7	104.1	31.7	90	46	4-22	5-21	86.7	76.6
TERRAL TROPHY	103.8	37.8	49	49	4-17	5-22	98.8	96.6
ARO 289-9	101.1	34.3	90	50	4-19	5-23	107.8	103.7
FL99212	100.3	33.4	41	44	4-22	5-25		
Grand mean	111.6	35.6	75	47	4-21	5-23		
LSD (5%)	18.8	2.1	16	3	1	2		
C.V. (%)	11.8	4.2	15	5	1	2		

Pt ht = Plant height.

OAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR

SOIL SERIES....Crowley silt loam
PREVIOUS CROP....Fallow
PLANTING DATE....November 6, 2007
FERTILIZER....60 lb N/A on Feb. 27, 2008; 40 lb N/A on March 13, 2008
HERBICIDE....None
INSECTICIDE....none
HARVEST DATE....June 5, 2008
PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	---------- Inches ----------								
2007-2008	7.2	2.0	4.8	2.2	4.5	4.1	9.8	3.7	38.3
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	+3.9	-2.4	+0.2	-1.6	+0.7	-0.5	+4.2	-1.7	+2.8

Table 11. Performance of Oat Cultivars, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Head date	Mat. date	2-yr avg	3-yr avg
	bu/A	lb/bu	%			bu/A	bu/A
ARNO-9	132.3	37.5	83	4-19	5-28	128.4	96.1
HORIZON 201	127.9	35.5	3	4-18	5-28		
LA99016SBSB-98-S	126.8	36.4	78	4-18	5-29	146.3	
LA99011SBSBSB-45-B-S	125.6	33.6	85	4-20	5-28		
BOB	125.5	38.9	65	4-17	5-26	143.5	133.5
HORIZON LA976	124.5	36.7	84	4-18	5-28		
LA966BSB-270-S2-C	123.7	36.5	74	4-16	5-27	137.4	128.6
LA02048SBSBSB-S1	122.1	33.6	69	4-19	5-28		
ARO 336-12	121.9	34.6	80	4-22	5-28	140.8	130.9
ARO 289-9	120.4	33.1	73	4-18	5-29	130.7	87.4
PLOT SPIKE LA9339	119.7	36.5	38	4-21	5-28		
ARNO-4	119.2	36.8	80	4-18	5-27	144.4	122.7
ARO 231-3	115.3	31.0	70	4-22	5-29	134.3	111.4
ARO 336-3	114.7	32.4	68	4-19	5-29	133.5	118.1
ARO 213-12	112.4	32.3	83	4-20	5-29	132.7	88.7
TERRAL TROPHY	111.9	37.6	28	4-16	5-28	132.6	126.4
LA99017SBSBSB-275-C	110.5	35.5	30	4-20	5-28		
OZARK	109.4	34.4	85	4-18	5-28	132.2	88.3
FL99212	108.4	32.7	9	4-18	5-29		
ARNO-7	92.7	33.3	88	4-19	5-28	46.9	40.8
Grand mean	118.2	34.9	64	4-19	5-28		
LSD (5%)	15.2	1.2	16	2	2		
C.V. (%)	9.0	2.3	18	3	2		

PARTICIPANTS AND ENTRIES
2007 - 2008 ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS

Companies

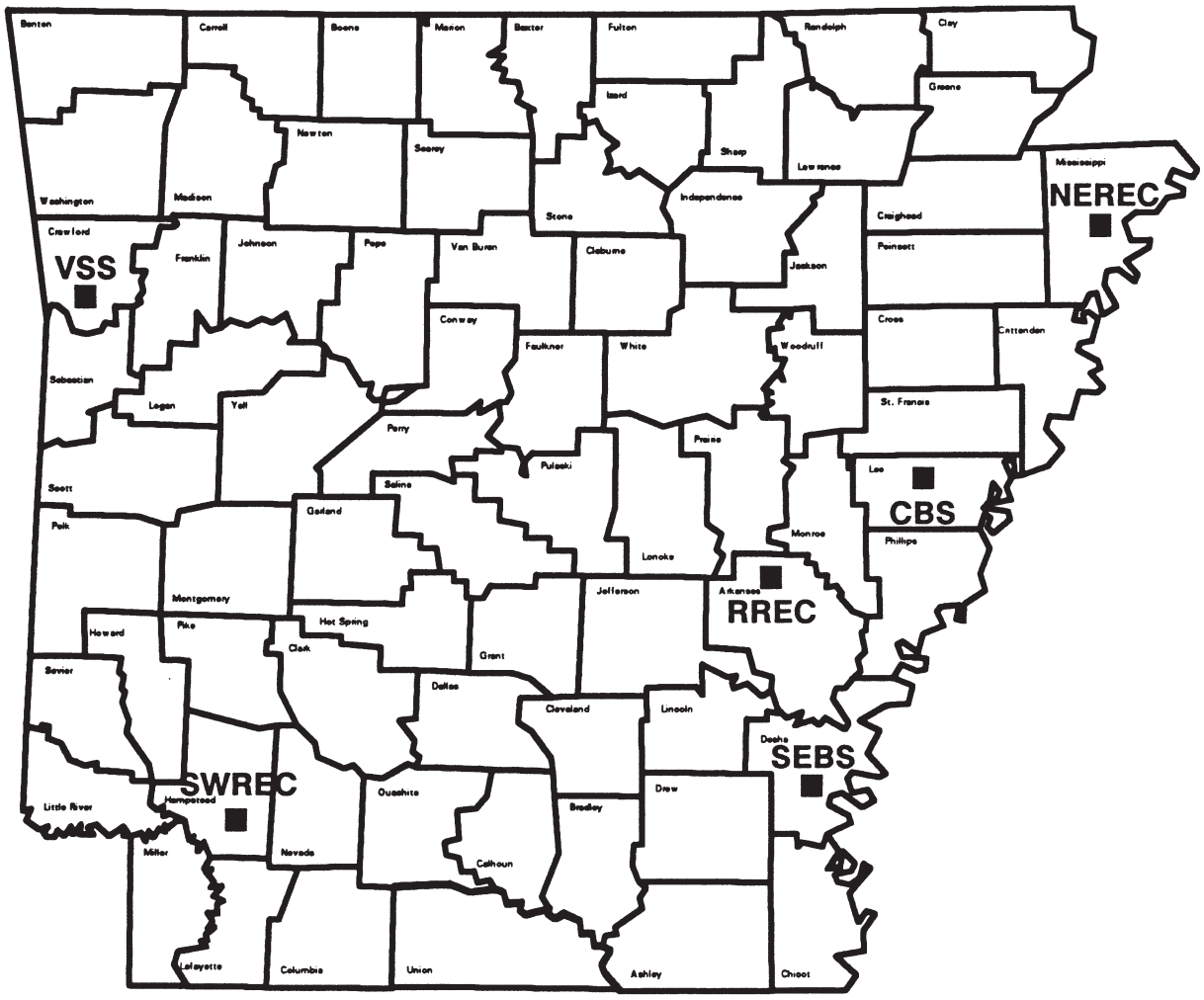
Ag Alumni Seed 702 State Rd. 28E P.O. Box 158 Romney, IN 47981 800-822-7134	AGINW0731		
AGSouth Genetics P.O. Box 72246 Albany, GA 31708-2246 229-881-7455	AGS 2031 AGS 2050	AGS 2060 AGS 2055	AGS 2020 AGS 2026
B & S Seed Company, Inc. 1283 Hwy 444 Duncan, MS 38740 662-627-2521	Dixie Bell DB7440 Dixie Bell DB2125	Dixie Bell DB2150 Dixie Bell DB7411	Dixie Bell DB 2100
Cache River Valley Seed 12470 Hwy 226 P.O. Box 10 Cash, AR 72421 870-477-5427	Dixie 900 Dixie 989 Dixie 427	Dixie 454 Dixie X915 Dixie X920	Dixie 907 Dixie DX940 Dixie DX950
Land O'Lakes/Croplan Genetics 4990 No. Co. Rd. 583 Blytheville, AR 72315 870-623-5093	Croplan Genetics 554W Croplan Genetics 8302		
Cullum Seed, LLC P.O. Box 9 Waldenburg, AR 72475 870-579-2286	Armor 260Z Armor 5110 Armor 9901 DK XTJ 730	ARX 6202 ARX 9603 DK 7710 DK XTJ 724	DK 9108 DK 9577 DK XTJ 732
Delta Grow Seed P.O. Box 219 England, AR 72046 501-842-2572	Delta Grow 5200 Delta Grow 7400 Delta Grow 1600		
Hornbeck Seed Co., Inc. P.O. Box 472, 210 Drier Rd DeWitt, AR 72042-0472 870-946-2087	HBK 3266		
Legacy Seed South, LLC 191 Jackson 136 Newport, AR 72112 870-744-8237	Legacy LW-117 Legacy LW-262		
Petrus Seed & Grain Co., Inc. 4100 Hanson Rd. Hazen, AR 72064 870-255-3346	Buck Harvest		

Pioneer , A DuPont Co. 7501 S. Memorial PKWY, STE 205 Huntsville, AL 35802 800-331-2475	Pioneer 26R22 Pioneer 26R15 Pioneer 26R87		
Plantation Seed Conditioners, Inc. PO Box 398 Newton, GA 39870-0398 229-881-2700	Horizon LA976 (oat) Horizon 270 (oat) Horizon 201 (oat)		
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396 888-535-7333	Progeny 185 Progeny 117 Progeny 145 Progeny 166	Progeny 122 Progeny 127	
Ragan & Massey, Inc. 100 Ponchatoula Pky. Ponchatoula, LA 70454 985-386-6042	Plotspike LA9339		
Syngenta Seeds, Inc. P.O. Box 729 778 CR 680 Bay, AR 72411 870-483-7691	AgriPro/COKER Coker Magnolia AgriPro/COKER Coker 9700 AgriPro/COKER Coker DO4*9804 AgriPro/COKER X3443		AgriPro/COKER 9553 AgriPro/COKER Beretta AgriPro/COKER W1377
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254 318-559-2840	Terral LA841 Terral TV8331 Terral TV8170 Terral TV8466	Terral TV8558 Terral LA482 Terral Trophy (oat)	Terral TV8589 Terral TV8577
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211 800-505-3133	USG 3209 USG 3350 USG 3665	USG 3242 USG 3555 USG 3295	USG 3860

Public Institutions

University of Arkansas Department of CSES Fayetteville, AR 72701 479-575-5725	Pat Sabbe AR96077-7-2 AR98068-4-1 AR98105-4-1 ARNO 4 (oat)	Bob (oat) Ozark (oat) AR98001-5-1 ARO 213-12(oat) ARO 336-3 (oat) ARNO 9 (oat)	ARO 231-3 (oat) ARO 289-9 (oat) ARO 336-12 (oat) AR97124-4-2 ARNO 7 (oat)
University of Florida North Florida Research & Extension Center PO Box 111567 115 Research Rd. Quincy, FL 32351	FL 99212 (oat)		
University of Georgia UGA-CAES, Griffin Campus 1109 Experiment St. Griffin, GA 30223 770-228-7321	UGA 981621-5E34 UGA 981622-5-E35		
Louisiana State University Agronomy Department Baton Rouge, LA 70803-2110 225-578-1380	LA99005UC-31-3-C LA98214D-14-1-2 LA01138D-55	LA02048SBSBSB-51 (oat) LA99017SBSBSB-275 (oat)	LA99011SBSBSB-45 (oat) LA99016SBSB-98-S (oat)
University of Maryland 27664 Nanticoke Road Salisbury, MD 410-742-1178 Ext 308	Chesapeake		
Texas A&M - Dallas 17360 Coit Rd. Dallas, TX 972-952-9274	TX4A35		
Virginia PI & State University EVAREC 2229 Menokin Road Warsaw, VA 22572 840-333-3485	Roane VA01W-205 VA03W-434	Jamestown VA03W-409	

SMALL-GRAIN TEST LOCATIONS



CBS	-	Cotton Branch Station, Marianna, Arkansas
NEREC	-	Northeast Research and Extension Center, Keiser, Arkansas
RREC	-	Rice Research and Extension Center, Stuttgart, Arkansas
SEBS	-	Southeast Branch Station, Rohwer, Arkansas
SWREC	-	Southwest Research and Extension Center, Hope, Arkansas
VSS	-	Vegetable Substation, Kibler, Arkansas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