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# Arkansas Wheat Cultivar Performance Tests 2010-2011

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### Recommended Citation

Mason, R. E.; Miller, R. G.; Bond, R. D.; Milus, E. A.; Kelley, J. P.; and Bacon, R. K., "Arkansas Wheat Cultivar Performance Tests 2010-2011" (2011). *Research Series*. 59.

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**R.E. Mason, R.G. Miller, R.D. Bond,  
E.A. Milus, J.P. Kelley, and R.K. Bacon**



**DIVISION OF AGRICULTURE  
RESEARCH & EXTENSION**

*University of Arkansas System*

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ARKANSAS AGRICULTURAL EXPERIMENT STATION

October 2011

Research Series 594

This publication is available on the internet at: <http://arkansasagnews.uark.edu/1356.htm> and at [www.arkansasvarietytesting.com](http://www.arkansasvarietytesting.com)

Technical editing and cover design by Gail Halleck

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Arkansas Agricultural Experiment Station, University of Arkansas System Division of Agriculture, Fayetteville. Mark J. Cochran, Vice President for Agriculture; Richard A. Roeder, Interim AAES Director and Interim Associate Vice-President for Agriculture–Research. WWW/InddCS5.

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ISSN: 1941-1596 CODEN: AKAMA6

# ARKANSAS WHEAT CULTIVAR PERFORMANCE TESTS

**2010-2011**

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# ACKNOWLEDGMENTS

This research was funded in part by participating companies. The assistance of the following individuals in conducting these experiments is gratefully acknowledged.

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# CONTENTS

	Page
Introduction .....	4
Methods .....	4
Weather Summary .....	5
Results .....	5
Map of Testing Sites.....	6
Table 1. Summary of 2010-2011 wheat yields at five Arkansas locations .....	7
Table 2. Performance of wheat cultivars in the standard input test, Keiser .....	9
Table 3. Performance of wheat cultivars in the standard input test, Kibler .....	12
Table 4. Performance of wheat cultivars in the standard input test, Marianna .....	15
Table 5. Performance of wheat cultivars in the standard input test, Newport.....	18
Table 6. Performance of wheat cultivars in the high input test, Rohwer .....	21
Participants and Entries (companies) .....	24
Participants and Entries (public institutions).....	27
Map of Testing Sites.....	(inside back cover)

# ARKANSAS WHEAT CULTIVAR PERFORMANCE TESTS<sup>1</sup> 2010-2011

R.E. Mason<sup>2</sup>, R.G. Miller<sup>2</sup>, R.D. Bond<sup>2</sup>, E.A. Milus<sup>3</sup>, J.P. Kelley<sup>2</sup>, and R.K. Bacon<sup>2</sup>

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## INTRODUCTION

Wheat 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, and the Rice Research and Extension Center near Stuttgart. This year the Newport test was conducted at the Newport Research Station. 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 top-dress nitrogen. 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 82 entries. A randomized complete block experimental design with four replications was used for all tests. A seeding rate of 105 lb/A was used to establish plots 20 feet in length and 49 inches in width (7 rows, 7 inches apart). The test at Keiser was planted using a grain drill with 9 rows, 7 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, with the exception of Rohwer where raised beds were used. Plots were end-trimmed, and harvested with a plot combine.

### 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 13.5% 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 of year that 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.

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### Variety Testing Website

This report and other information about variety testing for corn, cotton, grain sorghum, rice, and soybean can be found at [ArkansasVarietyTesting.com](http://ArkansasVarietyTesting.com). Disease ratings that do not appear in this or other reports may also be found on this Website.

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<sup>1</sup>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.

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### WEATHER SUMMARY

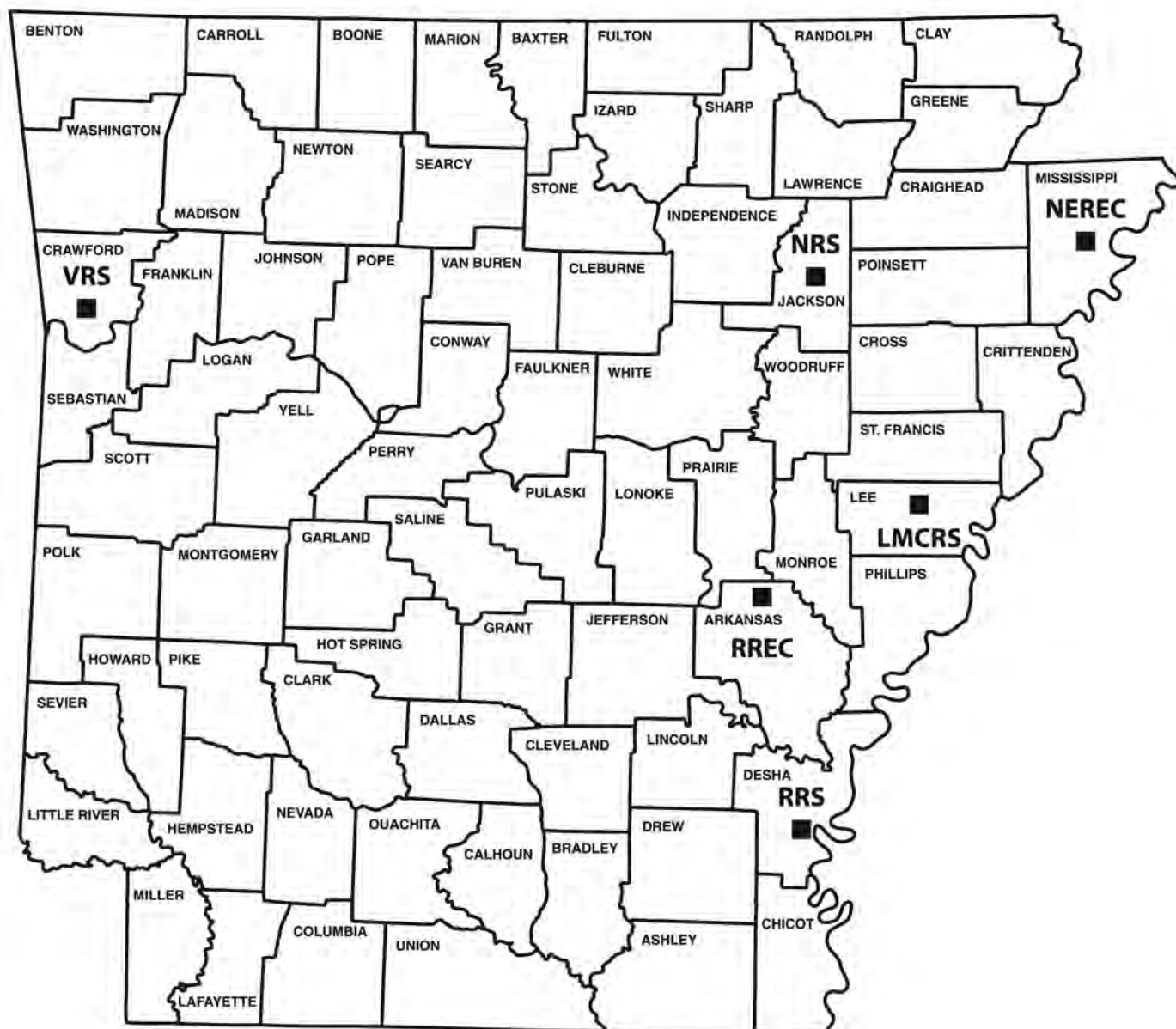
Soil moisture was generally normal to dry prior to planting at all locations with most locations experiencing timely rain following planting. Rainfall totals in the fall were below normal for all locations but adequate enough to allow for good plot stand. February and March rainfall totals were relatively normal for most locations with the exception of Rohwer which had a deficit. All locations with the exception of Rohwer experienced high rainfall in both April and May resulting in above average season totals despite the dry fall. Rohwer experienced a dry fall and spring, which resulted in a rainfall deficit.

### RESULTS

Grain yields ranged from average to very good across locations (Table 1). Low rainfall totals in the fall allowed for good plot stand in all locations. The highest average yield was recorded in Rohwer (94.6 bu/A) and the lowest was recorded in Kibler (43.8 bu/A). Bird damage was high in Kibler during early dough stage and plots which received heavy damage were removed from analysis. Spring storms at Keiser resulted in delayed harvest and likely lower yield and test weight. The standard and high input tests in Stuttgart experienced high levels of glyphosate damage during the booting stage and results for these two tests are not included. Disease levels were generally low at all locations. The Keiser test experienced *Stagonospora nodorum* blotch which was rated by Gene Milus (Table 2). The Kibler location experienced leaf rust which was also rated by Gene Milus (Table 3). Bird cherry oat aphid levels were high in Kibler in the spring, resulting in a moderate level of Yellow Dwarf Virus and likely impacting yield and test weight.

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## WHEAT TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna
- NEREC** - Northeast Research and Extension Center, Keiser
- NRS** - Newport Research Station, Newport
- RREC** - Rice Research and Extension Center, Stuttgart
- RRS** - Rohwer Research Station, Rohwer
- VRS** - Vegetable Research Station, Kibler

**Table 1. Summary of wheat yields at five Arkansas locations in 2010-2011<sup>1</sup>**

Entry name	Keiser	Kibler	Marianna	Newport	Rohwer
	Standard input yield (bu/A)				
AGS 2035	73.8	50.2	84.9	76.0	99.5
AGS 2060	67.7	44.5	72.4	70.6	96.1
AGS 2052	70.3	50.3	83.1	81.1	100.9
AGS 2056	77.1	42.7	90.6	72.2	105.1
EXCEL 442	68.7	58.5	73.2	67.8	97.1
EXCEL 341	60.8	25.4	70.9	55.3	74.5
EXCEL 234	57.0	56.0	61.9	72.3	90.5
EXCEL 180	62.0	38.2	73.9	54.9	81.7
EXCEL 163	64.3	30.5	83.2	65.1	85.8
DK 9577	57.5	43.2	74.5	61.4	94.4
Armor Renegade	70.5	51.1	86.0	73.8	102.0
Armor Ricochet	74.5	50.5	91.5	70.6	110.7
Armor ARX 0179	61.7	35.5	83.5	70.2	95.2
Armor ARX 0186	78.7	34.0	86.9	66.0	92.4
Armor ARX 1234	62.2	45.3	84.7	52.9	97.7
Armor ARX 1235	79.3	63.6	76.5	64.5	103.4
Dixie Bell DB2125	66.8	29.6	75.6	64.1	69.3
Dixie Bell DB2150	60.4	28.2	66.5	61.5	73.1
Dixie Bell DB7440	64.6	27.7	74.8	73.7	79.6
Dixie Bell DB7100	64.0	39.3	63.6	72.6	92.0
Dixie Bell DB620	72.9	41.2	90.7	64.6	94.4
Dixie 454	74.7	39.9	83.8	78.9	82.1
Dixie McAlister	82.2	66.9	94.2	63.9	106.7
Dixie Kelsey	76.7	54.0	91.0	77.8	101.0
Dixie Brown	65.1	36.3	82.5	71.6	93.3
Croplan 554W	65.0	31.8	88.9	71.4	95.6
Croplan 8302	71.3	46.1	82.7	72.1	97.0
Croplan 8868	67.6	42.8	78.7	62.7	102.5
Delta Grow 1600	69.7	33.4	75.9	59.7	94.1
Delta Grow 7500	74.7	56.3	90.1	79.3	103.0
Delta Grow 7900	57.6	47.7	86.4	72.9	97.8
Delta Grow 8300	58.3	38.8	81.1	66.4	94.4
Dyna-Gro 9012	73.8	59.6	89.5	83.8	95.7
Dyna-Gro 9053	73.3	44.2	81.4	79.8	101.1
Dyna-Gro 9171	78.9	53.5	97.9	69.3	106.3
Dyna-Gro Baldwin	63.9	49.0	78.7	61.8	103.0
HBK 3266	60.9	43.1	76.9	65.5	93.8
LA 01110D-150	71.9	40.7	82.4	74.9	88.2
LA 02006E239	60.6	41.7	72.8	73.8	94.1
LA 01069D-23-4-4	67.1	57.4	79.3	69.2	98.4
Pioneer Variety 25R32	67.2	33.9	83.4	54.8	89.5
Pioneer Variety 26R15	72.8	56.1	83.6	74.8	92.8
Pioneer Variety 26R20	71.4	46.1	94.2	67.8	94.4
Pioneer Variety 26R22	69.6	50.6	87.9	58.5	103.5
Pioneer Variety 26R87	81.1	51.3	82.8	72.4	95.9
Pioneer Variety XW09H	74.4	50.9	92.4	86.2	99.9
Progeny 117	65.3	31.9	72.6	71.6	87.2
Progeny 166	70.4	31.1	77.6	74.3	73.7
Progeny 185	68.5	32.0	86.0	57.7	94.1
Progeny 125	62.2	23.9	87.1	57.3	93.2
Progeny PGX10-2	60.9	44.5	62.7	44.8	98.9

**Table 1. Continued.**

Entry name	Keiser	Kibler	Marianna	Newport	Rohwer
	Standard input yield (bu/A)				
Progeny PGX10-5	83.2	46.9	91.3	83.6	108.1
Progeny PGX10-7	70.1	44.8	84.3	76.7	95.6
Syngenta Beretta	59.7	39.3	86.0	70.6	98.3
Syngenta Arcadia	65.4	41.1	80.9	66.0	84.3
Syngenta Coker 9553	60.6	42.4	74.5	73.7	99.3
Syngenta Magnolia	63.1	53.6	72.4	71.5	89.7
Syngenta Oakes	65.3	39.2	74.1	60.7	89.4
Syngenta SY 9978	58.2	52.8	76.7	67.9	97.9
Terral LA841	59.1	39.5	79.0	49.6	93.0
Terral TV8558	62.5	41.0	75.3	60.5	95.2
Terral TV8589	58.7	41.1	86.4	65.0	95.7
Terral LA821	59.2	45.1	82.2	64.0	81.3
Terral TV8861	79.7	52.7	88.9	73.0	102.9
Terral TVX8460	64.6	26.7	70.6	52.5	73.5
Terral TVX8535	73.8	49.3	93.5	76.5	98.1
Terral TVX8626	71.2	49.8	84.3	72.8	99.2
Terral TVX8525	71.6	46.9	89.6	76.9	103.3
Terral TVX8848	82.8	53.7	91.3	63.2	92.0
USG 3555	73.5	39.3	86.9	72.8	99.0
USG 3295	63.7	42.5	79.7	67.4	100.2
USG 3201	75.1	52.7	92.8	76.8	103.5
USG 3251	74.3	51.8	86.3	67.9	98.7
USG 3438	82.8	57.8	91.6	83.7	102.5
USG 3120	59.2	40.1	90.3	66.2	99.5
CL7	69.7	23.0	78.6	67.4	94.5
AGS 2026	55.2	23.5	88.0	58.7	82.5
Roane	57.4	43.3	76.4	72.6	87.3
GA 001138-8E36	69.8	50.9	74.8	65.7	98.5
GA 00067-8E25	72.4	55.0	81.2	71.7	91.1
Jamestown	73.7	53.0	83.4	70.0	98.7
Merl	68.2	35.4	84.4	61.3	95.8
Mean	68.2	43.8	82.0	68.5	94.6
LSD (5%)	18.5	22.2	16.4	24.0	19.2
CV (%)	9.8	18.3	7.2	12.6	7.4

<sup>1</sup>The standard and high input tests at Stuttgart experienced severe damage from glyphosate and are not reported.

**STANDARD INPUT WHEAT TEST  
NORTHEAST RESEARCH & EXTENSION CENTER, KEISER, ARK.**

SOIL SERIES .....Sharkey silty clay  
 PREVIOUS CROP .....Fallow  
 PLANTING DATE .....October 28, 2010  
 FERTILIZER.....70 lb N/A on February 24, 2011 and March 22, 2011  
 HERBICIDE.....0.75 oz/A Harmony on March 19, 2011  
 INSECTICIDE .....None  
 HARVEST DATE .....June 16, 2011  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2010-2011	0.9	5.5	1.5	2.4	5.8	5.1	11.3	11.6	44.0
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	-1.5	1.4	-3.2	-1.0	2.8	0.3	6.2	6.3	11.2

**Table 2. Performance of wheat cultivars in the standard input test, Keiser.**

Entry name	Test			Plant		Maturity Date	<i>Stagonospora nodorum</i> (% infection)	2-year average (bu/A)	3-year average (bu/A)
	Yield (bu/A)	weight (lbs/bu)	Lodging (%)	Height (in.)	Head Date				
Progeny PGX10-5	83.2	56.4	0.0	36.0	4/21	5/29	23.8		
Terral TVX8848	82.8	57.4	5.0	39.5	4/20	5/28	31.3		
USG 3438	82.8	56.0	2.5	39.0	4/18	5/27	36.3	79.4	
Dixie McAlister	82.2	54.9	0.0	35.5	4/20	5/27	32.5		
Pioneer Variety 26R87	81.1	59.8	2.5	35.8	4/20	5/28	22.5	74.0	71.1
Terral TV8861	79.7	58.2	5.0	39.5	4/20	5/27	23.8	75.3	
Armor ARX 1235	79.3	54.5	7.5	41.3	4/17	5/27	15.0		
Dyna-Gro 9171	78.9	57.0	0.0	35.0	4/21	5/30	12.8		
Armor ARX 0186	78.7	59.5	12.5	38.0	4/20	5/28	16.8		
AGS 2056	77.1	55.3	5.0	37.3	4/15	5/24	31.3		
Dixie Kelsey	76.7	59.9	0.0	36.3	4/17	5/27	40.0		
USG 3201	75.1	60.0	30.0	38.3	4/15	5/24	88.5	79.3	
Dixie 454	74.7	58.2	2.5	38.0	4/17	5/24	55.0	73.1	66.8
Delta Grow 7500	74.7	55.0	0.0	36.8	4/21	5/29	15.0		
Armor Ricochet	74.5	55.0	0.0	36.8	4/17	5/26	45.0	79.6	
Pioneer Variety XW09H	74.4	56.3	0.0	35.5	4/19	5/25	35.0		
USG 3251	74.3	57.9	2.5	36.3	4/18	5/25	89.0		
AGS 2035	73.8	58.8	0.0	35.0	4/16	5/27	45.0	77.6	72.8
Dyna-Gro 9012	73.8	59.6	12.5	34.5	4/20	5/28	68.8	75.6	
Terral TVX8535	73.8	54.4	2.5	39.3	4/18	5/26	30.0		
Jamestown	73.7	62.0	32.5	36.5	4/16	5/24	11.0	76.1	72.9
USG 3555	73.5	58.2	0.0	36.3	4/21	5/28	40.0	76.2	72.4
Dyna-Gro 9053	73.3	54.9	5.0	37.5	4/19	5/27	50.0		
Dixie Bell DB620	72.9	53.2	2.5	36.3	4/19	5/28	27.5		
Pioneer Variety 26R15	72.8	56.4	17.5	39.3	4/17	5/24	30.0	76.7	68.7
GA 00067-8E25	72.4	57.1	10.0	39.5	4/20	5/27	40.0		
LA 01110D-150	71.9	58.8	2.5	35.3	4/17	5/26	27.5	73.9	69.8
Terral TVX8525	71.6	57.8	20.0	38.0	4/16	5/25	50.0		
Pioneer Variety 26R20	71.4	58.4	7.5	42.3	4/19	5/27	18.8	76.8	71.1

Table 2. Continued.

Entry name	Yield (bu/A)	Test weight (lbs/bu)	Lodging (%)	Plant Height (in.)	Head Date	Maturity Date	<i>Stagonospora nodorum</i> (% infection)	2-year average (bu/A)	3-year average (bu/A)
Croplan 8302	71.3	56.7	5.0	35.8	4/21	5/28	16.8	76.9	70.0
Terral TVX8626	71.2	54.2	10.0	38.8	4/20	5/28	55.0		
Armor Renegade	70.5	56.6	2.5	39.0	4/20	5/26	35.0	73.2	69.3
AGS 2052	70.3	53.4	2.5	33.5	4/18	5/26	26.3		
Progeny PGX10-7	70.1	54.5	7.5	38.8	4/21	5/31	36.3		
GA 001138-8E36	69.8	56.2	12.5	35.0	4/20	5/27	27.5		
Delta Grow 1600	69.7	57.4	0.0	39.5	4/19	5/26	30.0	63.7	63.5
CL7	69.7	59.6	7.5	37.8	4/18	5/26	72.0		
Pioneer Variety 26R22	69.6	57.3	2.5	37.0	4/18	5/25	63.8	70.7	68.3
EXCEL 442	68.7	55.5	0.0	37.0	4/20	5/27	15.0		
Progeny 185	68.5	58.8	0.0	36.0	4/20	5/26	22.5	66.0	64.8
Merl	68.2	59.6	15.0	35.5	4/15	5/23	65.0	73.4	68.4
AGS 2060	67.7	59.6	5.0	37.5	4/20	5/28	26.3	70.2	67.6
Croplan 8868	67.6	55.8	0.0	37.3	4/19	5/27	63.8		
Pioneer Variety 25R32	67.2	58.2	0.0	36.3	4/20	5/27	18.8	68.3	
LA 01069D-23-4-4	67.1	60.2	2.5	37.5	4/20	5/26	50.0		
Dixie Bell DB2125	66.8	57.0	12.5	36.0	4/15	5/25	46.3	65.9	66.0
Syngenta Arcadia	65.4	61.0	12.5	37.5	4/15	5/23	45.0	66.5	
Progeny 117	65.3	60.6	30.0	37.5	4/19	5/26	35.0	69.8	66.8
Syngenta Oakes	65.3	57.3	0.0	35.0	4/15	5/23	15.0	67.6	66.0
Dixie Brown	65.1	59.4	2.5	37.5	4/19	5/27	52.0		
Croplan 554W	65.0	53.4	0.0	39.0	4/20	5/27	31.3	71.3	70.4
Dixie Bell DB7440	64.6	58.2	7.5	38.3	4/18	5/24	26.3	61.4	62.0
Terral TVX8460	64.6	54.4	17.5	39.3	4/20	5/30	60.0		
EXCEL 163	64.3	62.1	2.5	35.8	4/18	5/26	40.0		
Dixie Bell DB7100	64.0	57.1	7.5	36.8	4/20	5/28	18.8		
Dyna-Gro Baldwin	63.9	60.7	2.5	41.8	4/20	5/28	26.3	69.0	67.0
USG 3295	63.7	58.7	7.5	39.3	4/16	5/26	35.0	69.1	67.3
Syngenta Magnolia	63.1	55.3	0.0	39.8	4/22	6/1	13.0	61.1	61.2
Terral TV8558	62.5	57.7	0.0	36.3	4/21	5/26	60.0	68.0	64.3
Armor ARX 1234	62.2	53.5	0.0	35.0	4/20	5/26	40.0		
Progeny 125	62.2	58.3	5.0	36.8	4/17	5/26	50.0	68.3	
EXCEL 180	62.0	58.1	0.0	35.5	4/19	5/26	36.3		
Armor ARX 0179	61.7	60.7	0.0	33.5	4/20	5/28	26.3		
HBK 3266	60.9	59.1	5.0	37.8	4/20	5/26	30.0	66.2	64.0
Progeny PGX10-2	60.9	55.9	7.5	35.5	4/19	5/26	50.0		
EXCEL 341	60.8	54.7	0.0	36.0	4/18	5/26	36.3		
LA 02006E239	60.6	57.1	10.0	36.3	4/20	5/26	13.0		
Syngenta Coker 9553	60.6	61.8	0.0	38.3	4/19	5/27	21.8	60.9	60.9
Dixie Bell DB2150	60.4	55.9	2.5	35.8	4/17	5/24	26.3	62.1	61.1
Syngenta Beretta	59.7	53.3	22.5	40.5	4/19	5/26	55.0	67.8	65.9
Terral LA821	59.2	56.3	10.0	37.0	4/18	5/25	20.5	65.9	
USG 3120	59.2	59.8	5.0	37.3	4/19	5/26	77.5	70.3	
Terral LA841	59.1	55.9	5.0	39.3	4/19	5/28	70.0	61.1	62.6
Terral TV8589	58.7	52.1	30.0	40.5	4/18	5/27	50.0	65.6	64.7
Delta Grow 8300	58.3	55.2	5.0	40.3	4/20	5/27	50.0	73.6	

Table 2. Continued.

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Lodging (%)</b>	<b>Plant Height (in.)</b>	<b>Head Date</b>	<b>Maturity Date</b>	<b><i>Stagonospora nodorum</i> (% infection)</b>	<b>2-year average (bu/A)</b>	<b>3-year average (bu/A)</b>
Syngenta SY 9978	58.2	55.0	10.0	39.3	4/19	5/27	60.0	61.3	
Delta Grow 7900	57.6	61.1	0.0	39.0	4/20	5/28	31.3		
DK 9577	57.5	56.8	0.0	37.8	4/20	5/25	18.8	67.0	63.0
Roane	57.4	59.6	0.0	38.0	4/20	5/27	60.0	67.1	68.2
EXCEL 234	57.0	56.5	2.5	35.5	4/18	5/26	22.5		
AGS 2026	55.2	59.9	2.5	35.8	4/19	5/26	20.5	63.9	61.8
Grand mean	68.2	57.3	6.2	38.4	4/19	5/26	37.8		
LSD (5%)	18.5	5.9	30.5	51.7	2.1	4.7	32.5		
CV (%)	9.8	3.7	179.3	48.7	0.7	1.2	31.1		

**STANDARD INPUT WHEAT TEST  
VEGETABLE SUBSTATION, KIBLER, ARK.**

SOIL SERIES.....Roxanna silt loam  
 PREVIOUS CROP .....Fallow  
 PLANTING DATE .....November 4, 2010  
 FERTILIZER.....21 lb N/A + 24 lb S/A on Feb. 22, 2011; 21 lb N/A + 24 lb S/A on March 22, 2011  
 HERBICIDE.....None  
 INSECTICIDE .....None  
 HARVEST DATE.....June 20, 2011  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2010-2011	1.7	2.5	2.1	0.5	3.2	0.8	9.6	11.9	32.3
Normal	3.3	3.2	2.8	2.4	2.7	3.9	4.2	4.6	27.1
Departure	-1.6	-0.7	-0.7	-1.9	0.5	-3.1	5.4	7.3	5.2

**Table 3. Performance of wheat cultivars in the standard input test, Kibler.<sup>1</sup>**

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Plant Height (in.)</b>	<b>Head Date</b>	<b>Leaf Rust (% of Flag leaf)</b>
Dixie McAlister	66.9	53.5	28.0	4/13	1.5
Armor ARX 1235	63.6	54.5	27.0	4/18	1.0
Dyna-Gro 9012	59.6	56.9	27.0	4/14	11.0
EXCEL 442	58.5	55.4	33.0	4/17	14.8
USG 3438	57.8	53.8	29.5	4/13	1.0
LA 01069D-23-4-4	57.4	56.5	26.3	4/12	9.0
Delta Grow 7500	56.3	56.4	25.3	4/12	1.5
Pioneer Variety 26R15	56.1	55.8	28.3	4/17	0.5
EXCEL 234	56.0	56.0	29.3	4/17	1.0
GA 00067-8E25	55.0	57.9	26.5	4/14	0.0
Dixie Kelsey	54.0	58.0	28.0	4/14	7.0
Terral TVX8848	53.7	54.8	29.3	4/17	1.5
Syngenta Magnolia	53.6	55.4	31.5	4/17	6.5
Dyna-Gro 9171	53.5	54.2	27.3	4/11	0.0
Jamestown	53.0	58.2	26.5	4/12	0.0
Syngenta SY 9978	52.8	53.7	30.8	4/14	0.5
Terral TV8861	52.7	53.0	27.5	4/16	2.3
USG 3201	52.7	55.8	28.8	4/14	5.8
USG 3251	51.8	55.5	29.0	4/17	0.5
Pioneer Variety 26R87	51.3	57.3	28.3	4/11	0.0
Armor Renegade	51.1	56.7	27.3	4/12	55.0
Pioneer Variety XW09H	50.9	56.4	28.3	4/17	1.0
GA 001138-8E36	50.9	56.9	32.5	4/16	0.0
Pioneer Variety 26R22	50.6	54.4	30.3	4/13	1.0
Armor Ricochet	50.5	54.2	26.5	4/13	0.5
AGS 2052	50.3	54.4	29.5	4/16	0.5
AGS 2035	50.2	55.6	30.8	4/14	0.0
Terral TVX8626	49.8	52.3	28.5	4/17	1.0
Terral TVX8535	49.3	53.4	26.3	4/12	1.0
Dyna-Gro Baldwin	49.0	55.3	32.5	4/17	0.0
Delta Grow 7900	47.7	53.6	26.0	4/13	13.0



Table 3. Continued.

Entry name	Yield (bu/A)	Test weight (lbs/bu)	Plant Height (in.)	Head Date	Leaf Rust (% of Flag leaf)
Progeny PGX10-5	46.9	51.2	27.0	4/14	0.5
Terral TVX8525	46.9	53.7	26.8	4/13	1.0
Croplan 8302	46.1	53.6	29.5	4/14	4.5
Pioneer Variety 26R20	46.1	54.5	26.5	4/17	1.5
Armor ARX 1234	45.3	51.6	27.3	4/17	0.5
Terral LA821	45.1	56.8	28.5	4/13	0.0
Progeny PGX10-7	44.8	50.3	27.5	4/16	3.3
AGS 2060	44.5	54.1	29.3	4/17	0.0
Progeny PGX10-2	44.5	53.6	28.8	4/14	1.8
Dyna-Gro 9053	44.2	53.6	27.5	4/17	2.8
Roane	43.3	55.8	26.5	4/17	0.5
DK 9577	43.2	54.1	28.8	4/16	1.5
HBK 3266	43.1	54.1	29.0	4/13	0.0
Croplan 8868	42.8	55.0	29.0	4/16	2.8
AGS 2056	42.7	54.2	27.0	4/12	3.3
USG 3295	42.5	56.9	25.8	4/12	0.0
Syngenta Coker 9553	42.4	56.7	27.0	4/13	0.0
LA 02006E239	41.7	56.7	29.0	4/15	0.0
Dixie Bell DB620	41.2	56.0	27.5	4/14	5.5
Syngenta Arcadia	41.1	54.5	27.5	4/11	0.0
Terral TV8589	41.1	54.6	30.8	4/14	14.8
Terral TV8558	41.0	54.8	27.0	4/16	2.8
LA 01110D-150	40.7	54.9	29.0	4/14	0.5
USG 3120	40.1	54.3	29.8	4/10	0.0
Dixie 454	39.9	56.0	27.8	4/12	0.0
Terral LA841	39.5	54.2	25.0	4/14	0.0
Dixie Bell DB7100	39.3	54.9	29.5	4/18	0.4
Syngenta Beretta	39.3	51.6	26.8	4/12	5.8
USG 3555	39.3	54.7	24.8	4/17	0.0
Syngenta Oakes	39.2	54.2	26.8	4/14	31.3
Delta Grow 8300	38.8	47.7	25.3	4/14	0.0
EXCEL 180	38.2	56.5	29.8	4/12	60.0
Dixie Brown	36.3	54.8	28.3	4/17	0.0
Armor ARX 0179	35.5	54.6	27.0	4/13	16.8
Merl	35.4	57.1	26.5	4/13	18.8
Armor ARX 0186	34.0	50.4	26.3	4/13	1.0
Pioneer Variety 25R32	33.9	54.6	28.5	4/17	55.0
Delta Grow 1600	33.4	54.1	29.0	4/16	5.8
Progeny 185	32.0	54.7	26.0	4/13	23.5
Progeny 117	31.9	55.4	32.3	4/12	65.0
Croplan 554W	31.8	54.2	27.0	4/14	22.5
Progeny 166	31.1	54.8	33.0	4/13	40.0
EXCEL 163	30.5	57.8	24.8	4/10	24.3
Dixie Bell DB2125	29.6	54.5	32.5	4/13	45.0
Dixie Bell DB2150	28.2	55.0	31.3	4/12	41.3

**Table 3. Continued.**

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Plant Height (in.)</b>	<b>Head Date</b>	<b>Leaf Rust (% of Flag leaf)</b>
Dixie Bell DB7440	27.7	54.2	31.0	4/12	41.3
Terral TVX8460	26.7	54.9	31.5	4/14	41.3
EXCEL 341	25.4	54.9	32.8	4/15	35.0
Progeny 125	23.9	54.5	25.8	4/11	45.0
AGS 2026	23.5	54.4	24.0	4/12	0.5
CL7	23.0	54.9	26.0	4/11	9.8
Grand mean	43.8	54.9	28.2	4/14	9.9
LSD (5%)	22.2	5.6	4.2	2.8	17.9
CV (%)	18.3	3.6	5.4	1.0	65.2

<sup>1</sup>Plots with heavy bird damage were eliminated from the analysis

**STANDARD INPUT WHEAT TEST  
LON MANN COTTON RESEARCH STATION, MARIANNA, ARK.**

SOIL SERIES.....Loring silt loam  
 PREVIOUS CROP .....Fallow  
 PLANTING DATE .....November 8, 2010  
 FERTILIZER.....90 lb of N/A + 24 lb of S/A on Feb 16, 2011; 60 lb of N/A + 24 lb of S/A, March 17, 2011  
 HERBICIDE.....None  
 INSECTICIDE .....None  
 HARVEST DATE .....June 4, 2011  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2010-2011	2.1	8.0	0.8	3.5	4.1	3.9	13.6	5.9	41.8
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	-0.9	3.6	-4.0	-0.9	0.0	-1.5	8.1	0.6	5.0

**Table 4. Performance of wheat cultivars in the standard input test, Marianna.**

Entry name	Yield (bu/A)	Test weight (lbs/bu)	Lodging (%)	Plant Height (in.)	Head Date	Maturity Date	2-year average (bu/A)	3-year average (bu/A)
Dyna-Gro 9171	97.9	64.9	0.0	33.0	4/9	5/9		
Dixie McAlister	94.2	61.7	0.0	30.0	4/9	5/9		
Pioneer Variety 26R20	94.2	65.1	0.0	31.0	4/10	5/13	71.9	75.4
Terral TVX8535	93.5	63.8	0.0	33.5	4/9	5/9		
USG 3201	92.8	67.5	0.0	30.0	4/10	5/12	64.8	
Pioneer Variety XW09H	92.4	64.4	0.0	30.0	4/11	5/14		
USG 3438	91.6	63.2	0.0	31.0	4/8	5/9	70.1	
Armor Ricochet	91.5	63.8	2.5	30.0	4/11	5/9	69.2	
Progeny PGX10-5	91.3	63.1	0.0	31.0	4/11	5/13		
Terral TVX8848	91.3	64.0	0.0	31.0	4/9	5/9		
Dixie Kelsey	91.0	65.9	0.0	32.0	4/11	5/12		
Dixie Bell DB620	90.7	62.4	0.0	33.0	4/10	5/11		
AGS 2056	90.6	63.2	0.0	30.5	4/9	5/11		
USG 3120	90.3	65.4	0.0	33.0	4/8	5/13	66.3	
Delta Grow 7500	90.1	63.7	0.0	30.5	4/10	5/10		
Terral TVX8525	89.6	66.6	0.0	30.5	4/9	5/13		
Dyna-Gro 9012	89.5	66.9	0.0	29.5	4/11	5/12	74.5	
Croplan 554W	88.9	64.0	0.0	29.5	4/10	5/12	68.5	71.4
Terral TV8861	88.9	65.5	0.0	32.5	4/11	5/14	71.2	
AGS 2026	88.0	64.7	1.3	32.5	4/9	5/10	66.9	74.3
Pioneer Variety 26R22	87.9	65.8	0.0	31.0	4/10	5/13	65.2	69.6
Progeny 125	87.1	64.5	0.0	30.5	4/8	5/7	69.8	
Armor ARX 0186	86.9	64.0	0.0	30.5	4/9	5/12		
USG 3555	86.9	63.1	0.0	33.0	4/10	5/13	70.7	73.6
Delta Grow 7900	86.4	65.1	0.0	30.5	4/11	5/14		
Terral TV8589	86.4	60.7	0.0	34.5	4/11	5/14	65.8	73.9
USG 3251	86.3	64.1	0.0	31.0	4/10	5/14		
Armor Renegade	86.0	62.5	0.0	33.0	4/13	5/14	66.6	73.9
Progeny 185	86.0	63.7	0.0	32.5	4/10	5/14	69.1	76.3
Syngenta Beretta	86.0	62.0	1.3	30.5	4/9	5/11	65.4	72.9

Table 4. Continued.

Entry name	Yield (bu/A)	Test weight (lbs/bu)	Lodging (%)	Plant Height (in.)	Head Date	Maturity Date	2-year average (bu/A)	3-year average (bu/A)
AGS 2035	84.9	65.0	0.0	30.0	4/8	5/14	66.5	68.8
Armor ARX 1234	84.7	61.0	0.0	30.0	4/11	5/14		
Merl	84.4	64.6	0.0	33.5	4/10	5/12	70.2	72.5
Progeny PGX10-7	84.3	61.7	0.0	35.0	4/11	5/14		
Terral TVX8626	84.3	61.7	0.0	33.0	4/11	5/13		
Dixie 454	83.8	64.2	0.0	29.0	4/10	5/14	68.0	73.5
Pioneer Variety 26R15	83.6	63.1	0.0	29.0	4/10	5/12	67.6	73.7
Armor ARX 0179	83.5	65.7	0.0	29.0	4/11	5/13		
Pioneer Variety 25R32	83.4	64.5	0.0	30.0	4/11	5/8	68.2	
Jamestown	83.4	67.5	0.0	31.0	4/11	5/13	66.2	71.3
EXCEL 163	83.2	65.9	2.5	31.0	4/9	5/7		
AGS 2052	83.1	61.4	0.0	32.0	4/11	5/13		
Pioneer Variety 26R87	82.8	66.8	0.0	31.5	4/8	5/8	64.4	68.7
Croplan 8302	82.7	63.2	0.0	32.0	4/11	5/12	70.8	74.9
Dixie Brown	82.5	61.3	0.0	29.5	4/11	5/14		
LA 01110D-150	82.4	65.1	0.0	30.0	4/9	5/11	70.9	76.8
Terral LA821	82.2	63.8	0.0	30.0	4/9	5/7	60.9	
Dyna-Gro 9053	81.4	61.6	0.0	29.0	4/12	5/13		
GA 00067-8E25	81.2	62.9	0.0	28.5	4/9	5/10		
Delta Grow 8300	81.1	64.7	0.0	30.0	4/9	5/10	60.7	
Syngenta Arcadia	80.9	66.0	0.0	30.0	4/8	5/9	62.9	
USG 3295	79.7	62.6	0.0	34.0	4/9	5/11	55.4	62.8
LA 01069D-23-4-4	79.3	64.1	0.0	34.0	4/9	5/7		
Terral LA841	79.0	64.9	0.0	30.0	4/10	5/11	62.6	66.8
Croplan 8868	78.7	64.2	0.0	33.0	4/13	5/14		
Dyna-Gro Baldwin	78.7	64.1	0.0	36.5	4/10	5/13	59.6	68.3
CL7	78.6	64.5	0.0	28.0	4/8	5/10		
Progeny 166	77.6	62.8	0.0	36.0	4/11	5/11	65.8	71.0
HBK 3266	76.9	64.8	0.0	32.5	4/9	5/8	58.9	67.5
Syngenta SY 9978	76.7	62.9	0.0	31.0	4/9	5/13	59.5	
Armor ARX 1235	76.5	60.6	0.0	28.0	4/12	5/12		
Roane	76.4	65.1	2.5	27.5	4/11	5/13	59.8	69.0
Delta Grow 1600	75.9	62.0	0.0	30.0	4/11	5/10	62.1	69.7
Dixie Bell DB2125	75.6	62.0	0.0	34.0	4/11	5/11	67.1	71.1
Terral TV8558	75.3	62.6	0.0	32.0	4/11	5/11	60.6	68.8
Dixie Bell DB7440	74.8	62.6	0.0	29.0	4/13	5/14	62.6	67.0
GA 001138-8E36	74.8	61.2	0.0	33.5	4/8	5/9		
DK 9577	74.5	60.9	0.0	34.0	4/12	5/10	58.6	66.9
Syngenta Coker 9553	74.5	66.0	0.0	30.5	4/8	5/8	64.2	70.4
Syngenta Oakes	74.1	63.0	0.0	35.0	4/10	5/12	72.8	75.6
EXCEL 180	73.9	65.1	0.0	32.5	4/10	5/10		
EXCEL 442	73.2	62.1	0.0	32.0	4/12	5/14		
LA 02006E239	72.8	63.2	0.0	32.5	4/12	5/14		
Progeny 117	72.6	63.2	0.0	29.0	4/11	5/13	53.8	60.7
AGS 2060	72.4	64.9	0.0	33.0	4/9	5/14	57.5	68.2
Syngenta Magnolia	72.4	64.3	0.0	32.0	4/11	5/14	57.8	64.0

**Table 4. Continued.**

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Lodging (%)</b>	<b>Plant Height (in.)</b>	<b>Head Date</b>	<b>Maturity Date</b>	<b>2-year average (bu/A)</b>	<b>3-year average (bu/A)</b>
EXCEL 341	70.9	61.1	0.0	32.5	4/12	5/14		
Terral TVX8460	70.6	60.0	0.0	35.0	4/11	5/14		
Dixie Bell DB2150	66.5	59.4	0.0	35.0	4/10	5/10	58.6	67.3
Dixie Bell DB7100	63.6	60.0	0.0	30.5	4/12	5/11		
Progeny PGX10-2	62.7	61.6	0.0	31.0	4/12	5/12		
EXCEL 234	61.9	58.4	0.0	32.0	4/12	5/10		
Grand mean	82.0	63.6	0.1	31.5	4/10	5/11		
LSD (5%)	16.4	5.6	2.8	.	4.0	5.1		
CV (%)	7.2	3.2	828.2	.	1.4	1.4		

## STANDARD INPUT WHEAT TEST, NEWPORT, ARK.

SOIL SERIES.....Beulah fine sandy loam  
 PREVIOUS CROP .....Fallow  
 PLANTING DATE .....November 10, 2010  
 FERTILIZER.....100 lb N/A + 100 lb S/A on February 17, 2011; 125 lb N/A on March 17, 2011  
 HERBICIDE.....16.4 oz/A Axial + 0.9 oz/A Harmony Extra on March 10, 2011  
 HARVEST DATE.....June 9, 2011  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2010-2011	0.4	4.9	1.7	1.1	4.5	4.5	7.8	12.1	36.9
Normal	3.3	3.2	2.8	2.4	2.7	3.9	4.2	4.6	27.1
Departure	-2.9	1.7	-1.1	-1.3	1.8	0.6	3.6	7.5	9.8

**Table 5. Performance of wheat cultivars in the standard input test, Newport.**

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Plant Height (in.)</b>	<b>2-year average (bu/A)</b>	<b>3-year average (bu/A)</b>
Pioneer Variety XW09H	86.2	55.8	30.0		
Dyna-Gro 9012	83.8	61.2	31.0	75.0	
USG 3438	83.7	60.3	34.0	75.3	
Progeny PGX10-5	83.6	60.0	36.0		
AGS 2052	81.1	57.7	30.0		
Dyna-Gro 9053	79.8	54.6	30.0		
Delta Grow 7500	79.3	57.5	30.0		
Dixie 454	78.9	63.3	36.0	69.2	61.3
Dixie Kelsey	77.8	63.5	31.0		
Terral TVX8525	76.9	58.9	30.0		
USG 3201	76.8	57.5	32.0	69.7	
Progeny PGX10-7	76.7	56.4	36.0		
Terral TVX8535	76.5	54.3	30.0		
AGS 2035	76.0	61.1	30.0	71.5	62.7
LA 01110D-150	74.9	60.3	34.0	73.7	65.6
Pioneer Variety 26R15	74.8	58.0	34.0	71.9	62.8
Progeny 166	74.3	59.4	35.0	71.0	60.3
Armor Renegade	73.8	59.2	32.0	67.1	58.8
LA 02006E239	73.8	60.4	31.0		
Dixie Bell DB7440	73.7	62.1	32.0	71.1	60.9
Syngenta Coker 9553	73.7	63.0	30.0	71.8	58.7
Terral TV8861	73.0	53.6	34.0	71.4	
Delta Grow 7900	72.9	59.8	29.0		
Terral TVX8626	72.8	55.8	36.0		
USG 3555	72.8	53.9	30.0	71.0	62.4
Dixie Bell DB7100	72.6	59.8	32.0		
Roane	72.6	61.1	32.0	67.7	55.7
Pioneer Variety 26R87	72.4	58.5	33.0	68.0	59.3
EXCEL 234	72.3	59.1	32.0		
AGS 2056	72.2	52.5	31.0		
Croplan 8302	72.1	57.9	36.0	74.8	63.9
GA 00067-8E25	71.7	54.1	34.0		

Table 5. Continued.

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Plant Height (in.)</b>	<b>2-year average (bu/A)</b>	<b>3-year average (bu/A)</b>
Dixie Brown	71.6	53.4	34.0		
Progeny 117	71.6	61.2	31.0	69.5	59.0
Syngenta Magnolia	71.5	57.2	31.0	68.4	57.2
Croplan 554W	71.4	57.5	31.0	65.9	59.2
AGS 2060	70.6	62.5	33.0	68.9	60.0
Armor Ricochet	70.6	56.7	31.0	66.0	
Syngenta Beretta	70.6	54.7	33.0	69.1	59.6
Armor ARX 0179	70.2	63.0	28.0		
Jamestown	70.0	58.4	32.0	67.6	59.4
Dyna-Gro 9171	69.3	53.5	35.0		
LA 01069D-23-4-4	69.2	60.9	34.0		
Syngenta SY 9978	67.9	59.3	28.0	69.8	
USG 3251	67.9	54.4	30.0		
EXCEL 442	67.8	58.2	32.0		
Pioneer Variety 26R20	67.8	59.6	32.0	73.8	63.2
USG 3295	67.4	54.1	37.0	67.4	60.1
CL7	67.4	57.4	31.0		
Delta Grow 8300	66.4	52.6	30.0	67.8	
USG 3120	66.2	59.2	33.0	71.1	
Armor ARX 0186	66.0	57.8	32.0		
Syngenta Arcadia	66.0	62.1	32.0	69.2	
GA 001138-8E36	65.7	56.0	35.0		
HBK 3266	65.5	57.7	30.0	63.7	55.6
EXCEL 163	65.1	60.2	29.0		
Terral TV8589	65.0	52.9	31.0	69.3	60.0
Dixie Bell DB620	64.6	49.2	32.0		
Armor ARX 1235	64.5	54.2	33.0		
Dixie Bell DB2125	64.1	55.0	32.0	67.3	57.6
Terral LA821	64.0	56.6	33.0	60.4	
Dixie McAlister	63.9	52.8	35.0		
Terral TVX8848	63.2	50.1	36.0		
Croplan 8868	62.7	59.1	31.0		
Dyna-Gro Baldwin	61.8	60.7	32.0	61.5	53.2
Dixie Bell DB2150	61.5	55.9	31.0	62.5	53.7
DK 9577	61.4	59.4	31.0	61.4	56.3
Merl	61.3	57.7	32.0	71.5	58.3
Syngenta Oakes	60.7	55.6	31.0	62.2	55.2
Terral TV8558	60.5	54.3	34.0	62.1	52.8
Delta Grow 1600	59.7	54.7	31.0	61.4	53.6
AGS 2026	58.7	57.6	36.0	69.6	56.3
Pioneer Variety 26R22	58.5	54.3	33.0	60.6	55.5
Progeny 185	57.7	50.1	35.0	62.0	53.3
Progeny 125	57.3	56.1	34.0	64.3	
EXCEL 341	55.3	52.6	32.0		

**Table 5. Continued.**

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Plant Height (in.)</b>	<b>2-year average (bu/A)</b>	<b>3-year average (bu/A)</b>
EXCEL 180	54.9	56.4	31.0		
Pioneer Variety 25R32	54.8	55.8	32.0	62.8	
Armor ARX 1234	52.9	54.1	32.0		
Terral TVX8460	52.5	53.3	32.0		
Terral LA841	49.6	50.0	34.0	65.1	54.8
Progeny PGX10-2	44.8	42.7	31.0		
Grand mean	68.5	56.9	32.2		
LSD (5%)	24.0	12.8	.		
CV (%)	12.6	8.1	.		



**STANDARD INPUT WHEAT TEST  
SOUTHEAST BRANCH STATION, ROHWER, ARK.**

SOIL SERIES.....Sharkey/Desha silt loam  
 PREVIOUS CROP .....Soybeans  
 PLANTING DATE .....November 1, 2010  
 FERTILIZER.....68 lb N/A on Feb. 18, 2011; 67 lb N/A on March 18, 2011.  
 HERBICIDE.....2.1 pint/A Prowl H<sub>2</sub>O + 4.75 oz/A Osprey on November 22, 2010; 16.4 oz/A Axial + 0.9 oz/A Harmony  
 INSECTICIDE .....None  
 HARVEST DATE .....May 30, 2011  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2010-2011	2.5	5.8	0.9	3.0	2.5	1.1	7.2	2.4	25.3
Normal	4.5	5.6	6.7	3.4	5.5	5.2	3.5	4.7	39.1
Departure	-2.0	0.2	-5.8	-0.4	-3.0	-4.1	3.7	-2.3	-13.8

**Table 6. Performance of wheat cultivars in the standard input test, Rohwer.**

Entry name	Yield (bu/A)	Test weight (lbs/bu)	Lodging (%)	Plant Height (in.)	Head Date	Maturity Date
Armor Ricochet	110.7	61.5	0.0	33.3	4/3	5/11
Progeny PGX10-5	108.1	61.6	5.0	36.0	4/5	5/12
Dixie McAlister	106.7	61.7	7.5	34.5	4/9	5/14
Dyna-Gro 9171	106.3	61.6	2.5	35.0	4/6	5/12
AGS 2056	105.1	61.7	5.0	34.8	4/10	5/14
Pioneer Variety 26R22	103.5	61.5	27.5	34.8	4/6	5/13
USG 3201	103.5	61.4	0.0	32.8	4/8	5/13
Armor ARX 1235	103.4	61.5	0.0	35.0	4/3	5/11
Terral TVX8525	103.3	61.2	2.5	35.5	4/3	5/7
Delta Grow 7500	103.0	61.9	2.5	35.3	4/6	5/10
Dyna-Gro Baldwin	103.0	61.3	0.0	39.3	4/5	5/13
Terral TV8861	102.9	61.3	0.0	35.0	4/6	5/12
Croplan 8868	102.5	61.6	10.0	35.5	4/4	5/11
USG 3438	102.5	61.6	0.0	35.5	4/5	5/11
Armor Renegade	102.0	61.6	5.0	38.3	4/8	5/14
Dyna-Gro 9053	101.1	61.2	2.5	34.5	4/10	5/13
Dixie Kelsey	101.0	61.5	0.0	34.5	4/6	5/11
AGS 2052	100.9	61.2	0.0	33.8	4/4	5/12
USG 3295	100.2	61.5	0.0	33.5	4/3	5/11
Pioneer Variety XW09H	99.9	61.5	2.5	34.8	4/7	5/12
AGS 2035	99.5	61.3	7.5	37.5	4/6	5/13
USG 3120	99.5	61.2	2.5	37.5	4/6	5/12
Syngenta Coker 9553	99.3	61.3	15.0	36.8	4/5	5/13
Terral TVX8626	99.2	61.1	5.0	34.5	4/6	5/12
USG 3555	99.0	61.2	2.5	32.0	4/5	5/10
Progeny PGX10-2	98.9	61.3	12.5	36.3	4/5	5/11
USG 3251	98.7	61.2	5.0	35.5	4/6	5/12
Jamestown	98.7	61.3	5.0	36.0	4/5	5/11
GA 001138-8E36	98.5	61.4	5.0	39.3	4/6	5/12
LA 01069D-23-4-4	98.4	61.6	15.0	37.0	4/5	5/11
Syngenta Beretta	98.3	61.6	12.5	35.5	4/5	5/11

Table 6. Continued.

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Lodging (%)</b>	<b>Plant Height (in.)</b>	<b>Head Date</b>	<b>Maturity Date</b>
Terral TVX8535	98.1	61.4	5.0	33.0	4/4	5/9
Syngenta SY 9978	97.9	61.4	20.0	37.3	4/7	5/12
Delta Grow 7900	97.8	61.4	10.0	36.0	4/9	5/13
Armor ARX 1234	97.7	61.3	5.0	35.5	4/5	5/12
EXCEL 442	97.1	61.6	17.5	38.8	4/5	5/14
Croplan 8302	97.0	61.3	10.0	36.5	4/5	5/11
AGS 2060	96.1	61.3	22.5	38.5	4/5	5/10
Pioneer Variety 26R87	95.9	61.5	5.0	36.3	4/5	5/12
Merl	95.8	61.3	2.5	35.5	4/4	5/10
Dyna-Gro 9012	95.7	61.2	0.0	35.0	4/7	5/12
Terral TV8589	95.7	61.6	12.5	38.5	4/5	5/12
Croplan 554W	95.6	61.5	20.0	34.3	4/5	5/11
Progeny PGX10-7	95.6	61.5	2.5	34.8	4/5	5/12
Armor ARX 0179	95.2	61.2	12.5	35.3	4/5	5/12
Terral TV8558	95.2	61.5	7.5	34.3	4/7	5/13
CL7	94.5	61.3	12.5	35.8	4/3	5/10
DK 9577	94.4	61.2	17.5	34.8	4/5	5/11
Dixie Bell DB620	94.4	61.2	25.0	34.8	4/5	5/12
Delta Grow 8300	94.4	61.6	5.0	36.5	4/4	5/9
Pioneer Variety 26R20	94.4	61.7	7.5	36.5	4/7	5/12
Delta Grow 1600	94.1	61.7	10.0	38.0	4/4	5/12
LA 02006E239	94.1	61.4	7.5	37.0	4/8	5/13
Progeny 185	94.1	61.4	12.5	36.5	4/9	5/13
HBK 3266	93.8	61.2	17.5	36.8	4/2	5/9
Dixie Brown	93.3	61.7	15.0	35.3	4/4	5/8
Progeny 125	93.2	61.7	12.5	36.5	4/4	5/12
Terral LA841	93.0	61.6	7.5	35.8	4/5	5/12
Pioneer Variety 26R15	92.8	61.4	10.0	37.3	4/4	5/12
Armor ARX 0186	92.4	61.6	0.0	33.3	4/5	5/9
Dixie Bell DB7100	92.0	61.1	17.5	37.0	4/5	5/11
Terral TVX8848	92.0	61.1	0.0	35.8	4/6	5/13
GA 00067-8E25	91.1	61.4	15.0	35.0	4/2	5/7
EXCEL 234	90.5	61.1	17.5	36.5	4/7	5/13
Syngenta Magnolia	89.7	61.5	5.0	37.0	4/6	5/12
Pioneer Variety 25R32	89.5	61.2	10.0	34.8	4/5	5/10
Syngenta Oakes	89.4	61.2	15.0	36.3	4/9	5/13
LA 01110D-150	88.2	61.6	17.5	37.0	4/6	5/13
Roane	87.3	61.4	2.5	34.0	4/7	5/13
Progeny 117	87.2	61.3	12.5	37.3	4/7	5/11
EXCEL 163	85.8	61.5	17.5	36.5	4/4	5/10
Syngenta Arcadia	84.3	61.6	17.5	36.5	4/7	5/13
AGS 2026	82.5	61.3	15.0	37.0	4/8	5/12
Dixie 454	82.1	61.4	2.5	36.5	4/5	5/11
EXCEL 180	81.7	61.1	17.5	37.8	4/3	5/11
Terral LA821	81.3	61.6	10.0	38.0	4/3	5/8

**Table 6. Continued.**

<b>Entry name</b>	<b>Yield (bu/A)</b>	<b>Test weight (lbs/bu)</b>	<b>Lodging (%)</b>	<b>Plant Height (in.)</b>	<b>Head Date</b>	<b>Maturity Date</b>
Dixie Bell DB7440	79.6	61.6	17.5	38.0	4/3	5/9
EXCEL 341	74.5	61.7	12.5	39.0	4/6	5/13
Progeny 166	73.7	61.8	10.0	39.0	4/5	5/13
Terral TVX8460	73.5	61.6	20.0	38.5	4/3	5/11
Dixie Bell DB2150	73.1	61.6	15.0	39.3	4/4	5/10
Dixie Bell DB2125	69.3	61.7	10.0	38.5	4/5	5/10
Grand mean	94.6	61.4	9.1	36.1	4/5	5/11
LSD (5%)	19.2	0.6	25.7	3.2	3.0	3.5
CV (%)	7.4	0.4	101.6	3.2	1.1	1.0

**PARTICIPANTS AND ENTRIES  
2010-2011 ARKANSAS WHEAT VARIETY TEST**

<u>Company</u>	<u>Variety</u>
<b>AG South Genetics</b>	AGS 2035
P.O. Box 72246	AGS 2060
Albany, GA 31708-2246	AGS 2052
	AGS 2056
	AGS 2026
<b>Agri Horizon, Inc.</b>	EXCEL 442
P.O. Box 576	EXCEL 341
Arlington, NE 68002	EXCEL 234
	EXCEL 180
	EXCEL 163
<b>Armor Seed</b>	DK 9577
P.O. Box 178	Renegade
Fisher, AR 72429	Ricochet
	ARX 0179
	ARX 0186
	ARX 1234
	ARX 1235
<b>B &amp; S Seed Company, Inc.</b>	Dixie Bell DB2125
1283 HWY. 444	Dixie Bell DB2150
Duncan, MS 38740	Dixie Bell DB7440
	Dixie Bell DB7100
	Dixie Bell DB620
<b>Cache River Valley Seed, LLC</b>	Dixie 454
P.O. Box 10	Dixie McAlister
Cash, AR 72421	Dixie Kelsey
	Dixie Brown
<b>Croplan Genetics</b>	Croplan 554W
P.O. Box 1351	Croplan 8302
Blytheville, AR 72315	Croplan 8868

**PARTICIPANTS AND ENTRIES, Continued.**

<u>Company</u>	<u>Variety</u>
<b>Delta Grow Seed</b> 220 NW 2nd Street England, AR 72046	Delta Grow 1600 Delta Grow 7500 Delta Grow 7900 Delta Grow 8300
<b>Dyna-Gro Seed</b> 6221 Riverside Dr. Suite One Dublin, OH 43017	Dyna-Gro 9012 Dyna-Gro 9053 Dyna-Gro 9171 Dyna-Gro Baldwin
<b>Hornbeck Seed Co.</b> 210 Drier Road DeWitt, AR 72042	HBK 3266
<b>Pioneer Hi-Bred Int'l, Inc.</b> 700 Boulevard South Suite 302 Huntsville, AL 35802	Pioneer Variety 25R32 Pioneer Variety 26R15 Pioneer Variety 26R20 Pioneer Variety 26R22 Pioneer Variety 26R87 Pioneer Variety XW09H
<b>Progeny Ag Products</b> 1529 Hwy 192 South Wynne, AR 72396	Progeny 117 Progeny 166 Progeny 185 Progeny 125 Progeny PGX10-2 Progeny PGX10-5 Progeny PGX10-7
<b>Syngenta Seed</b> 778 CR 680 Bay, AR 72411	Syngenta Beretta Syngenta Arcadia Syngenta Coker 9553 Syngenta Magnolia Syngenta Oakes Syngenta SY 9978

## PARTICIPANTS AND ENTRIES, Continued.

<u>Company</u>	<u>Variety</u>
<b>Terral Seed, Inc.</b>	Terral LA841
P.O. Box 826	Terral TV8558
Lake Providence, LA 71254	Terral TV8589
	Terral LA821
	Terral TV8861
	Terral TVX8460
	Terral TVX8535
	Terral TVX8626
	Terral TVX8525
	Terral TVX8848
 <b>UniSouth Genetics, Inc.</b>	 USG 3555
2640-C Nolensville Road	USG 3295
Nashville, TN 37211	USG 3201
	USG 3251
	USG 3438
	USG 3120
	USG CL7

**Public Institutions**

**Variety**

**Louisiana State University**  
Agronomy Department  
221 M.B. Sturgis Hall  
Baton Rouge, LA 70803-2110

LA 01110D-150  
LA 02006E239  
LA 01069D-23-4-4

**University of Georgia**  
1109 Experiment St.  
Griffin, GA 30223

GA 001138-8E36  
GA 00067-8E25

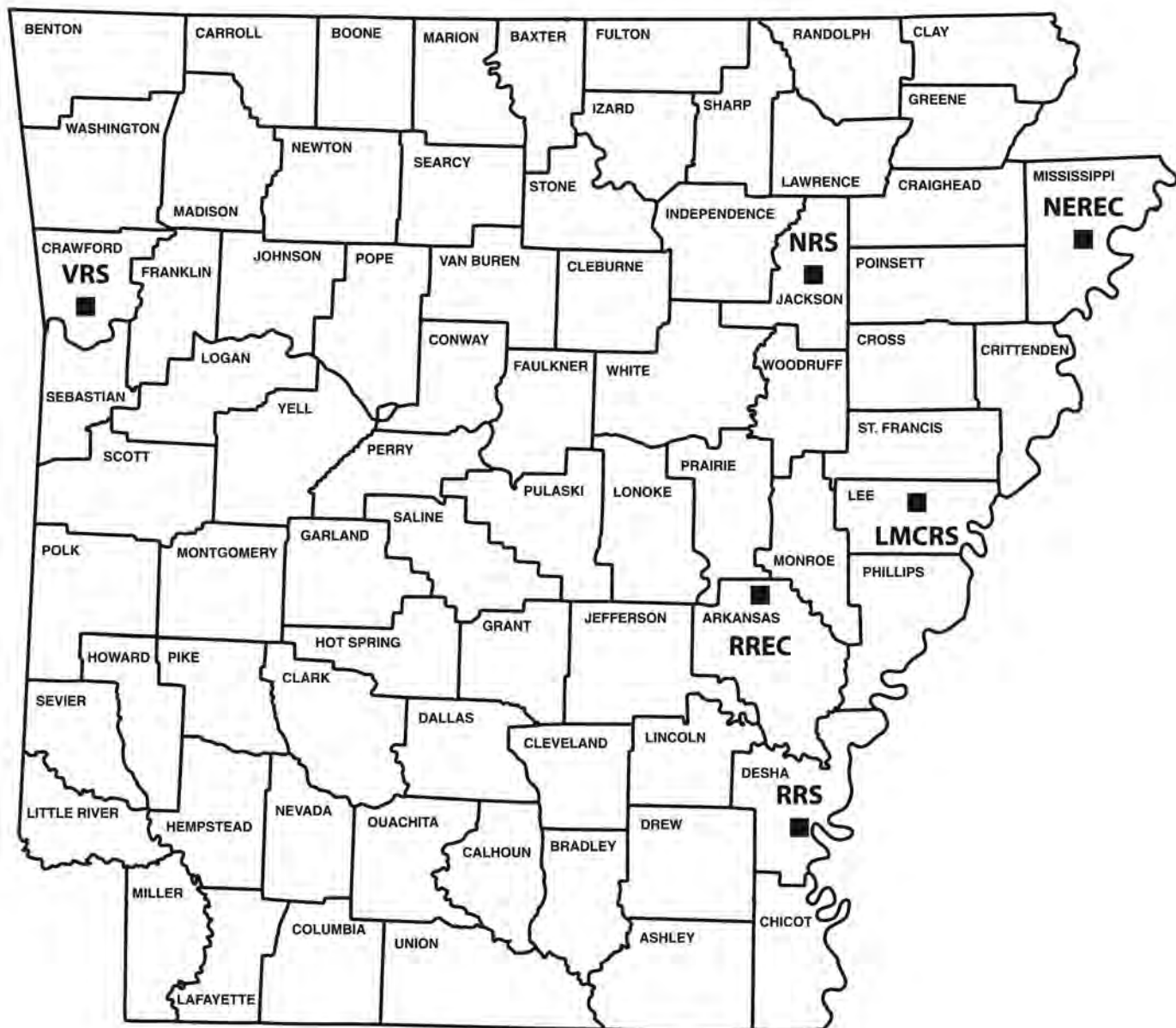
**Virginia Polytechnic Institute  
and State University**  
Eastern Virginia Agricultural  
Research and Extension Center  
2229 Menokin Road  
Warsaw, VA 22572

Jamestown  
Merl





# WHEAT TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna
- NREC** - Northeast Research and Extension Center, Keiser
- NRS** - Newport Research Station, Newport
- RREC** - Rice Research and Extension Center, Stuttgart
- RRS** - Rohwer Research Station, Rohwer
- VRS** - Vegetable Research Station, Kibler

**UofA**

**DIVISION OF AGRICULTURE**  

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**RESEARCH & EXTENSION**

*University of Arkansas System*