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## Arkansas Wheat Cultivar Performance Tests 2012-2013

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# Arkansas Wheat Cultivar Performance Tests 2012-2013



**R.E. Mason, R.G. Miller, J.P. Kelley, and E.A. Milus**

**UofA**

**DIVISION OF AGRICULTURE  
RESEARCH & EXTENSION**

*University of Arkansas System*

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# ARKANSAS WHEAT CULTIVAR PERFORMANCE TESTS

**2012-2013**

R.E. Mason  
R.G. Miller  
J.P. Kelley  
E.A. Milus



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# ARKANSAS WHEAT CULTIVAR PERFORMANCE TESTS<sup>1</sup> 2012-2013

R.E. Mason<sup>2</sup>, R.G. Miller<sup>2</sup>, J.P. Kelley<sup>2</sup>, and E.A. Milus<sup>3</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 Newport Extension Center, near Newport, the Rohwer Research Station, near Rohwer, and the Rice Research and Extension Center near 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 top-dress nitrogen and a 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 95 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 Rohwer was planted using a grain drill with 9 rows, 6 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 13.0% moisture content.

**Test weight:** Test weights, expressed in pounds per bushel (lb/bu), were determined using the Harvest Master Pro 4100 at 13% moisture.

**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 of year 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 on a whole plot basis unless otherwise noted. Scabby seed in Marianna was estimated from a grain sample as the percent of kernels damaged by *Fusarium* head blight infection.

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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 wet prior to planting with most locations experiencing timely rain following planting. Fall rainfall totals were below normal for all locations, especially for the months of November and December. Rainfall totals for January were above normal for all locations as were most of the spring months which resulted in above average seasonal totals for all locations with the exception of Kibler and Stuttgart. Cool temperatures combined with the above average rainfall resulted in delayed heading dates in all locations compared to normal.

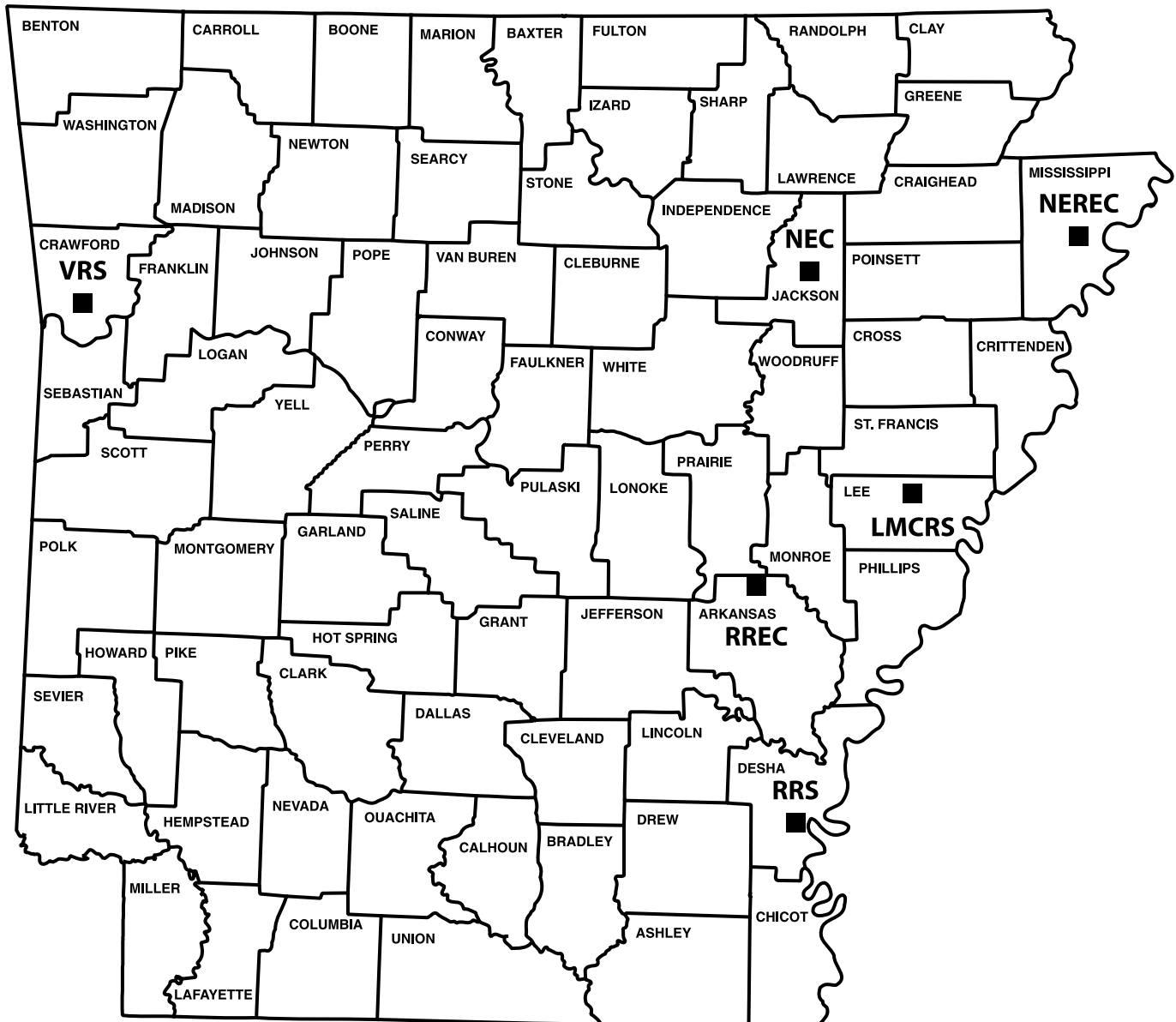
### RESULTS

Grain yields ranged from average to good across locations (Table 1). The highest average yield was recorded in Keiser (83.5 bu/A) and the lowest was recorded in Newport (65.7 bu/A). A 9 bu/A difference was observed between the standard and high input tests in Stuttgart despite very low disease pressure. Stripe rust was present in four locations (Keiser, Kibler, Newport and Rohwer), leaf rust in two locations (Keiser and Newport) and *Stagonospora* leaf blotch in three locations (Kibler, Newport and Rohwer). Ratings at various locations were taken by Gene Milus and Esten Mason.

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# WHEAT TEST LOCATIONS



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

**Table 1. Summary of 2012-2013 wheat yields at six Arkansas locations.**

Entry Name	Standard Input Yield (bu/A)						Stuttgart
	Keiser	Kibler	Marianna	Newport	Rohwer	Stuttgart	High Input Yield (bu/A)
AGEXP05247	71.3	80.7	85.3	62.5	86.3	55.5	70.8
AGS 2026	68.3	63.7	87.6	72.1	38.6	77.5	78.9
AGS 2035	83.0	73.8	84.1	64.4	38.8	55.2	75.6
AGS 2038	83.5	71.8	86.8	77.4	64.9	67.1	78.6
AGS 2056	81.0	77.8	82.0	63.9	82.2	63.3	77.8
AGS 2060	66.3	74.3	66.0	65.6	52.6	63.7	65.2
AGS 2057	85.3	69.4	76.2	55.2	73.0	67.6	71.8
AgriMAXX 413	89.3	84.6	86.4	77.5	96.5	76.4	80.3
AgriMAXX 415	93.5	80.7	79.4	79.1	92.8	78.7	79.5
AgriMAXX EXP1335	89.3	60.6	74.3	60.8	84.3	79.2	86.6
AgriMAXX 447	79.5	69.5	86.1	66.7	83.2	80.2	83.5
AgriMAXXExp1340	88.3	69.5	71.8	69.0	87.5	73.9	79.4
Armor Rampage	78.5	72.3	77.9	69.3	80.2	68.7	80.8
Armor Ricochet	85.3	61.0	83.8	57.5	83.6	71.5	84.3
ARX1107	97.5	85.0	86.0	72.1	90.2	78.3	91.4
ARX1204	80.3	71.6	89.9	58.0	86.0	77.5	82.6
ARX1206	92.8	78.6	89.2	79.2	92.1	66.3	88.2
Dixie Bell 412	86.0	66.0	80.1	64.8	92.5	75.9	89.5
Dixie Bell 620	94.8	67.3	85.0	69.4	92.9	79.4	85.1
Dixie Bell EXP 128	86.0	65.4	70.2	54.9	81.3	66.6	76.0
Dixie Bell EXP 215	88.3	71.9	85.6	67.5	83.4	72.8	84.0
Dixie Bell EXP 7880	87.3	83.1	85.9	64.3	70.5	79.2	87.7
Dixie DXEX13-1	90.3	72.3	86.5	76.6	88.5	75.5	83.2
Dixie DXEX13-2	85.8	79.9	85.0	71.0	86.4	74.1	82.2
Dixie DXEX13-3	96.5	70.4	88.2	70.8	86.6	77.5	81.7
Dixie Kelsey	91.0	76.1	86.3	72.2	91.9	75.6	89.6
Dixie McAlister	91.0	89.6	86.2	75.8	89.5	72.8	84.6
Dixie Xtreme	95.5	74.4	85.8	72.2	88.3	76.0	87.1
Croplan554W	82.3	67.8	65.7	50.8	49.0	57.3	72.6
Croplan8302	83.3	66.9	67.3	59.0	81.3	67.4	78.1
Croplan8925	71.0	69.1	71.7	55.7	68.2	63.9	72.4
Delta Grow 5000	79.5	76.6	69.6	52.2	36.9	57.7	73.4
Delta Grow 7000	87.5	78.8	75.5	59.0	73.6	62.4	71.2
Delta Grow 7200	84.3	71.5	77.2	71.8	91.8	70.4	70.5
Delta Grow 7300	82.5	65.2	75.7	58.7	77.4	70.2	79.5
Delta Grow 7500	91.5	69.3	77.6	66.6	91.3	67.2	86.2
Delta Grow 9700	89.5	63.0	89.8	60.7	79.8	64.7	82.6
Dyna-Gro 9012	92.0	87.7	83.6	72.7	90.5	79.2	90.6
Dyna-Gro 9171	88.0	90.3	83.0	69.8	80.3	78.0	83.6
Dyna-Gro 9223	77.0	75.2	88.1	63.7	82.8	71.8	83.2
Dyna-Gro Baldwin	78.3	70.0	72.7	67.0	60.0	62.1	73.3
Dyna-Gro Yorktown	77.3	76.1	77.5	67.8	44.3	73.6	81.1
LCS 34969	81.5	59.2	75.5	56.7	71.0	69.2	80.9
LCS 38686	80.5	61.3	71.7	66.9	62.3	70.6	87.1
LCS 38889	69.8	73.4	78.0	51.5	79.6	78.0	82.2
Terral LA754	68.8	68.2	91.7	72.9	45.8	74.6	79.1
AGS 2040	76.8	58.1	85.3	70.4	26.5	57.0	67.3
LA03200DE-2	85.8	75.3	80.0	69.7	54.6	68.1	69.0
Pioneer Variety 25R32	80.5	65.6	60.9	55.0	74.6	66.1	74.5
Pioneer Variety 26R10	90.3	73.9	85.3	62.2	87.5	70.2	79.7

Table 1. Continued.

Entry Name	Keiser	Kibler	Marianna	Newport	Rohwer	Stuttgart	Stuttgart
	Standard Input Yield (bu/A)						High Input Yield (bu/A)
Pioneer Variety 26R20	83.3	65.4	83.6	66.7	83.4	64.2	76.9
Pioneer Variety 26R22	76.8	60.5	76.8	59.7	56.5	62.1	75.1
Pioneer Variety 26R41	92.8	68.4	86.4	69.5	90.4	72.4	82.3
Pioneer Variety 26R53	94.3	76.2	82.9	71.0	86.1	73.6	74.8
Pioneer Variety 26R87	85.8	66.8	78.8	76.6	55.6	61.6	69.0
Pioneer Variety XW11G	85.3	78.0	79.8	73.9	83.3	60.6	74.8
Progeny P 117	74.5	60.5	66.8	51.2	39.3	57.4	69.7
Progeny P 125	81.5	76.6	80.4	60.4	29.1	65.3	73.4
Progeny P 185	77.3	62.8	73.6	49.7	56.9	65.5	75.9
Progeny P 308	81.5	77.4	77.0	63.6	79.7	72.1	85.8
Progeny P 357	78.8	85.3	72.3	54.7	92.5	67.9	80.8
Progeny P 870	80.3	76.1	77.5	61.5	89.3	73.3	80.9
Progeny PGX 12-10	92.0	75.8	79.3	67.9	88.4	76.1	82.6
Progeny PGX 12-12	59.3	64.2	77.0	51.2	60.4	65.4	71.1
Progeny PGX 12-3	87.3	67.2	82.1	66.3	81.1	70.9	67.1
Syngenta CK 9553	82.5	71.0	78.6	71.8	61.0	64.9	68.9
Syngenta Magnolia	78.5	69.4	74.0	65.1	69.7	68.2	75.5
Syngenta Oakes	76.3	66.1	75.5	72.9	74.8	67.7	75.5
Syngenta SY Harrison	91.3	72.4	88.7	78.9	87.3	77.6	82.1
Taggart 496	73.0	59.7	78.4	44.3	55.8	65.8	76.8
Terral TV8525	88.8	69.9	81.8	64.2	80.3	77.9	87.7
Terral TV8535	83.0	76.8	74.3	69.8	83.6	73.6	81.6
Terral TV8848	81.0	78.7	87.7	68.5	84.1	72.2	75.4
Terral TV8861	83.5	72.1	76.5	71.3	87.6	63.4	83.8
USG 3120	75.0	69.4	81.4	71.7	36.8	70.5	80.7
USG 3201	92.8	85.5	90.5	65.6	90.1	80.1	84.4
USG 3251	91.5	69.3	85.6	71.8	89.7	78.8	90.1
USG 3438	89.0	77.3	92.1	70.6	90.5	81.7	87.0
USG 3993	77.3	67.2	73.2	47.8	45.0	65.6	78.5
USG 3013	88.0	67.0	92.5	63.4	90.7	76.9	85.1
AR01040-4-1	80.0	87.1	79.6	82.3	64.3	87.6	86.0
USG 3523	93.8	73.6	83.2	67.5	79.0	77.1	90.4
USG3833	84.8	65.5	80.2	72.7	86.7	76.2	83.9
AR00255-16-1	86.3	41.1	68.7	69.0	77.6	72.3	77.7
AR00343-5-1	90.8	85.2	86.0	69.3	65.6	76.8	81.0
VA09W-75	69.0	65.8	75.7	70.4	46.1	69.6	74.3
AR01163-3-1	75.3	57.6	78.9	58.8	43.6	78.3	80.0
AR01167-3-1	80.8	72.1	81.9	58.1	78.3	75.4	83.4
AR01179-4-1	76.5	69.6	89.8	66.2	77.9	70.3	81.7
AR01209-2-1	82.8	73.7	77.1	69.6	70.0	73.6	81.7
AR02061-1-1	84.5	78.4	78.4	66.5	72.8	64.6	75.5
GA-031086-10E29	88.3	72.3	76.4	68.2	65.2	77.6	78.8
GA-031257-10LE34	92.0	69.2	69.6	75.8	73.5	59.6	76.7
GA-04570-10E46	88.3	74.2	89.0	72.3	47.2	69.9	76.7
Jamestown	89.5	66.8	67.7	68.9	43.8	60.9	75.7
Mean	83.5	71.6	80.0	65.7	73.1	70.5	79.5
LSD (5%)	13.2	21.8	12.9	15.3	16.0	13.7	14.2
CV (%)	8.0	15.4	8.2	11.8	11.1	9.9	9.1

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

SOIL SERIES ..... Sharkey silty clay  
 PREVIOUS CROP ..... Fallow  
 PLANTING DATE..... October 24, 2012  
 FERTILIZER ..... 75 units of N/A on Feb 20, 2012, 70 units of N/A on March 15, 2012  
 HERBICIDE ..... None  
 INSECTICIDE..... None  
 HARVEST DATE ..... June 26, 2013  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
Keiser	3.90	1.98	4.28	8.34	4.02	2.43	7.86	7.76	40.57
Keiser Normal	2.40	4.10	4.70	3.40	3.00	4.80	5.10	5.30	32.80
Keiser Departure	1.50	-2.12	-0.42	4.94	1.02	-2.37	2.76	2.46	7.77

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

Entry Name	Test				Plant		Leaf Rust	Stripe Rust	2-year	3-year
	Yield (bu/A)	Weight (lbs/bu)	Head Date	Maturity Date	Height (in.)	Lodging (%)	(%Plot) 5/20	(%Plot) 5/20	Average (bu/A)	Average (bu/A)
ARX1107	97.5	56.6	4/30	5/30	38	0	16	0	81.0	
Dixie DXEX13-3	96.5	57.1	5/1	6/3	39	0	1	0		
Dixie Xtreme	95.5	55.7	4/30	6/1	38	0	1	0		
Dixie Bell 620	94.8	56.6	4/30	6/2	40	3	4	0	80.5	
Pioneer Variety 26R53	94.3	56.2	4/29	5/31	36	0	1	0	80.7	
USG 3523	93.8	56.8	4/30	5/31	38	0	1	1		
AgriMAXX 415	93.5	58.5	4/29	5/30	39	0	0	0	82.1	
ARX1206	92.8	56.5	4/28	5/30	38	0	0	1		
Pioneer Variety 26R41	92.8	56.6	4/29	6/2	39	0	2	0	82.9	
USG 3201	92.8	58.3	4/30	5/30	36	0	2	0	77.4	76.7
GA-031257-10LE34	92.0	56.4	4/24	5/29	37	0	0	1		
Dyna-Gro 9012	92.0	58.3	4/29	5/31	38	0	1	0	80.8	78.5
Progeny PGX 12-10	92.0	55.1	4/29	5/31	39	15	24	0		
Delta Grow 7500	91.5	57.4	4/30	6/1	38	0	0	0	79.2	77.7
USG 3251	91.5	57.5	5/1	6/2	40	0	0	1		
Syngenta SY Harrison	91.3	56.1	4/29	6/2	37	0	2	0	80.5	
Dixie Kelsey	91.0	58.5	4/30	5/30	38	0	0	0	76.5	76.6
Dixie McAlister	91.0	56.5	4/30	5/30	37	0	1	0	80.0	80.8
AR00343-5-1	90.8	56.2	4/26	5/29	42	10	0	2		
Dixie DXEX13-1	90.3	57.5	4/30	6/1	39	15	1	0		
Pioneer Variety 26R10	90.3	56.0	4/29	5/31	39	0	1	0	79.7	
Delta Grow 9700	89.5	56.2	4/30	6/2	42	0	0	0		
Jamestown	89.5	57.5	4/19	5/27	36	0	5	0	75.7	75.0
AgriMAXX 413	89.3	56.0	4/29	5/30	35	15	5	0	77.8	
AgriMAXX EXP1335	89.3	55.8	4/29	6/2	38	0	2	0		
USG 3438	89.0	56.0	4/29	5/30	36	0	0	0	78.0	79.6
Terral TV8525	88.8	57.3	4/29	5/31	35	0	1	1	82.3	78.8
AgriMAXXExp1340	88.3	57.1	4/29	5/31	39	15	2	0		
Dixie Bell EXP 215	88.3	56.7	4/30	5/31	38	0	1	0		

Table 2. Continued.

Entry Name	Test		Head Date	Maturity Date	Plant Height (in.)	Lodging (%)	Leaf	Stripe	2-year Average (bu/A)	3-year Average (bu/A)
	Yield (bu/A)	Weight (lbs/bu)					Rust (%Plot) 5/20	Rust (%Plot) 5/20		
GA-031086-10E29	88.3	56.9	4/23	5/27	36	0	0	0		
GA-04570-10E46	88.3	57.2	4/20	5/28	40	0	0	0		
Dyna-Gro 9171	88.0	55.5	4/29	5/30	35	0	1	1		
USG 3013	88.0	54.9	4/30	6/1	41	20	2	0		
Delta Grow 7000	87.5	57.6	5/3	6/3	37	5	0	2		
Dixie Bell EXP 7880	87.3	56.9	4/30	5/31	43	0	1	4		
Progeny PGX 12-3	87.3	54.0	5/1	6/2	36	0	0	1		
AR00255-16-1	86.3	56.6	4/29	5/31	39	0	0	0	76.0	
Dixie Bell 412	86.0	56.1	5/1	6/3	37	3	1	0	74.8	
Dixie Bell EXP 128	86.0	57.9	5/2	6/3	38	0	0	5		
Dixie DXEX13-2	85.8	55.2	5/1	6/4	36	0	0	0		
LA03200DE-2	85.8	56.8	4/22	5/29	36	0	0	0		
Pioneer Variety 26R87	85.8	56.0	4/20	5/27	36	0	2	0	75.0	77.0
AGS 2057	85.3	57.0	5/1	6/3	38	0	0	8		
Armor Ricochet	85.3	56.0	5/1	6/1	37	0	2	5	77.4	76.4
Pioneer Variety XW11G	85.3	57.5	5/2	6/1	36	0	2	0		
USG3833	84.8	55.8	5/4	6/2	40	0	0	0		
AR02061-1-1	84.5	56.8	4/28	5/30	42	10	1	0		
Delta Grow 7200	84.3	56.1	4/30	6/1	38	25	1	0		
AGS 2038	83.5	56.6	4/26	5/29	41	38	0	0	79.9	
Terral TV8861	83.5	57.4	5/1	6/1	36	0	0	0	76.5	77.5
Croplan8302	83.3	56.2	4/29	5/30	36	0	7	0	74.9	73.7
Pioneer Variety 26R20	83.3	56.6	4/30	6/2	42	10	0	5	81.9	78.4
AGS 2035	83.0	56.3	4/19	5/28	39	0	0	15	74.4	74.2
Terral TV8535	83.0	55.5	4/30	5/31	36	0	1	0	76.3	75.4
AR01209-2-1	82.8	56.8	4/28	6/1	42	0	0	7		
Delta Grow 7300	82.5	54.4	5/1	6/2	37	0	1	0	75.5	
Syngenta CK 9553	82.5	58.6	4/20	5/27	40	0	1	0	71.0	67.5
Croplan554W	82.3	53.9	4/27	5/30	35	0	0	30		
LCS 34969	81.5	53.6	4/24	5/30	39	0	1	0		
Progeny P 125	81.5	56.4	4/20	5/27	38	0	38	0	73.4	69.7
Progeny P 308	81.5	57.0	4/29	5/31	39	0	0	0	75.7	
AGS 2056	81.0	55.2	4/29	5/30	36	0	8	0	72.1	73.7
Terral TV8848	81.0	55.9	4/30	5/31	41	0	1	0	71.8	75.5
AR01167-3-1	80.8	53.5	4/27	5/29	40	10	1	0		
LCS 38686	80.5	56.1	4/29	5/31	40	5	0	8		
Pioneer Variety 25R32	80.5	57.4	5/1	6/2	39	15	2	0	71.9	70.3
ARX1204	80.3	56.2	5/4	6/2	39	0	0	0		
Progeny P 870	80.3	55.8	4/30	5/31	36	0	1	1	72.9	
AR01040-4-1	80.0	56.4	4/27	5/29	39	0	0	0		
AgriMAXX 447	79.5	56.0	5/2	6/3	38	0	0	1		
Delta Grow 5000	79.5	55.4	4/20	5/27	36	0	30	0	70.1	
Progeny P 357	78.8	54.4	5/2	6/2	36	0	1	7	70.2	
Armor Rampage	78.5	54.4	4/27	6/1	39	0	1	0	68.5	
Syngenta Magnolia	78.5	55.9	4/25	5/29	40	0	2	0	69.7	67.5
Dyna-Gro Baldwin	78.3	56.0	4/26	5/31	39	10	0	57	72.6	69.7

Table 2. Continued.

Entry Name	Test		Head Date	Maturity Date	Plant Height (in.)	Lodging (%)	Leaf Rust	Stripe Rust	2-year Average (bu/A)	3-year Average (bu/A)
	Yield (bu/A)	Weight (lbs/bu)					(%Plot) 5/20	(%Plot) 5/20		
Dyna-Gro Yorktown	77.3	56.9	4/24	5/29	37	0	1	1	68.1	
Progeny P 185	77.3	55.9	4/29	6/1	43	0	0	50	68.4	68.5
USG 3993	77.3	53.1	4/29	5/31	41	0	0	57		
Dyna-Gro 9223	77.0	54.7	4/30	6/1	41	0	2	0		
AGS 2040	76.8	57.4	4/18	5/27	38	0	0	0	63.6	
Pioneer Variety 26R22	76.8	56.9	4/28	5/29	40	0	0	11	73.0	71.9
AR01179-4-1	76.5	53.8	4/28	5/31	37	0	0	0		
Syngenta Oakes	76.3	55.4	4/30	5/29	39	20	2	0	72.5	70.1
AR01163-3-1	75.3	52.8	4/22	5/29	41	0	0	15		
USG 3120	75.0	57.6	4/20	5/29	35	0	0	1	71.9	67.7
Progeny P 117	74.5	54.6	4/20	5/29	42	5	8	72	66.3	66.0
Taggart 496	73.0	57.1	5/3	6/3	43	0	0	11		
AGEXP05247	71.3	57.7	5/5	6/3	39	0	0	0	69.5	
Croplan8925	71.0	57.4	5/1	6/2	37	0	1	0	67.8	
LCS 38889	69.8	56.4	5/2	6/3	40	15	1	0		
VA09W-75	69.0	56.9	4/22	5/28	35	0	0	0		
Terral LA754	68.8	54.8	4/21	5/27	35	10	0	15	61.9	65.3
AGS 2026	68.3	55.9	4/19	5/29	39	0	0	0	63.7	60.9
AGS 2060	66.3	56.6	4/24	5/29	38	0	0	0	63.1	64.6
Progeny PGX 12-12	59.3	56.9	4/27	5/30	37	0	0	0		
Mean	83.5	56.3	4/28	5/31	38	3	2	4		
LSD (5%)	13.2	2.1	2.4	2.2	4	18	9	19		
CV (%)	8.0	1.9	1.0	0.7	5	324	230	221		

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

SOIL SERIES ..... Roxanna silt loam  
 PREVIOUS CROP ..... Fallow  
 PLANTING DATE..... November 6, 2012  
 FERTILIZER ..... 70 units N/A + 100lbs S/A on Mar. 5, 2013  
 HERBICIDE ..... None  
 INSECTICIDE..... None  
 HARVEST DATE ..... July 1, 2013  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
Kibler	2.43	0.46	2.47	3.54	3.31	2.69	4.90	4.93	24.73
Kibler Normal	3.30	3.20	2.80	2.40	2.70	3.90	4.20	4.60	27.10
Kibler Departure	-0.87	-2.74	-0.33	1.14	0.61	-1.21	0.70	0.33	-2.37

**Table 3. Performance of wheat cultivars in the standard input test, Kibler.**

Entry Name	Test			Plant			Stripe	Leaf	Powdery	2-year	3-year
	Yield (bu/A)	Weight (lbs/bu)	Head Date	Maturity Date	Height (in.)	Lodge (%)	Rust (%Plot) 5/8	Blotch (%Plot) 5/8	Mildew (%Plot) 5/8		
Dyna-Gro 9171	90.3	53.8	4/28	6/6	38	15	0	5	0		
Dixie McAlister	89.6	52.8	4/30	6/7	37	40	0	9	4	72.3	70.5
Dyna-Gro 9012	87.7	55.6	4/30	6/7	38	23	0	5	4	72.8	68.4
AR01040-4-1	87.1	54.5	4/29	6/7	42	45	0	2	0		
USG 3201	85.5	56.1	4/30	6/6	36	30	0	5	0	69.6	64.0
Progeny P 357	85.3	49.9	5/2	6/6	38	3	0	15	0	72.5	
AR00343-5-1	85.2	54.1	4/28	6/6	42	25	0	23	0		
ARX1107	85.0	53.5	5/1	6/6	37	75	0	7	0	72.2	
AgriMAXX 413	84.6	52.4	4/29	6/7	37	28	0	11	7	75.2	
Dixie Bell EXP 7880	83.1	54.5	4/30	6/8	41	18	11	2	4		
AGEXP05247	80.7	56.4	5/3	6/10	39	50	0	2	0	64.1	
AgriMAXX 415	80.7	57.6	4/30	6/6	38	20	0	5	0	66.3	
Dixie DXEX13-2	79.9	52.0	5/1	6/7	36	30	0	7	0		
Delta Grow 7000	78.8	54.7	5/3	6/7	39	35	0	5	0		
Terral TV8848	78.7	52.3	5/1	6/7	38	33	0	5	0	65.0	61.2
ARX1206	78.6	52.7	4/28	6/7	37	45	0	5	8		
AR02061-1-1	78.4	55.5	4/28	6/6	41	35	0	11	0		
Pioneer Variety XW11G	78.0	53.4	5/1	6/6	38	48	0	9	0		
AGS 2056	77.8	52.0	4/30	6/7	36	5	0	11	8	69.5	60.6
Progeny P 308	77.4	51.7	4/29	6/7	37	50	0	5	4	66.8	
USG 3438	77.3	52.4	4/30	6/7	36	35	0	7	15	70.6	66.4
Terral TV8535	76.8	50.4	4/30	6/7	37	38	0	2	4	66.7	60.9
Delta Grow 5000	76.6	54.9	4/23	6/2	37	18	0	30	0	68.1	
Progeny P 125	76.6	55.2	4/23	6/2	39	25	0	19	0	68.3	53.5
Pioneer Variety 26R53	76.2	54.8	4/29	6/5	36	18	0	9	0	67.9	
Progeny P 870	76.1	51.4	4/29	6/7	38	20	0	11	4	66.1	
Dixie Kelsey	76.1	55.0	4/29	6/6	38	33	0	5	0	71.6	65.7

Table 3. Continued.

Entry Name	Test			Plant			Stripe	Leaf	Powdery	2-year Average	3-year Average
	Yield (bu/A)	Weight (lbs/bu)	Head Date	Maturity Date	Height (in.)	Lodge (%)	Rust (%Plot) 5/8	Blotch (%Plot) 5/8	Mildew (%Plot) 5/8		
Dyna-Gro Yorktown	76.1	55.5	4/26	6/6	38	70	0	2	0	66.1	
Progeny PGX 12-10	75.8	52.2	4/30	6/7	37	63	0	5	0		
LA03200DE-2	75.3	53.6	4/25	6/5	36	50	0	15	0		
Dyna-Gro 9223	75.2	51.9	5/1	6/7	39	45	0	11	0		
Dixie Xtreme	74.4	51.2	5/1	6/7	38	68	0	11	4		
AGS 2060	74.3	59.1	4/25	6/6	40	33	0	11	8	68.5	60.5
GA-04570-10E46	74.2	53.9	4/24	6/6	37	58	0	11	0		
Pioneer Variety 26R10	73.9	50.6	5/1	6/8	38	50	0	15	0	61.8	
AGS 2035	73.8	54.9	4/24	6/5	38	33	0	15	0	64.1	59.5
AR01209-2-1	73.7	52.3	4/29	6/7	40	38	0	11	0		
USG 3523	73.6	52.7	5/2	6/6	37	40	0	7	4		
LCS 38889	73.4	56.8	5/3	6/10	38	50	1	7	0		
Syngenta SY Harrison	72.4	50.1	4/30	6/7	38	23	0	7	4	62.8	
Dixie DXEX13-1	72.3	52.5	5/2	6/7	37	53	0	9	0		
Armor Rampage	72.3	49.1	4/26	6/8	37	50	0	7	0	58.4	
GA-031086-10E29	72.3	53.7	4/25	6/4	35	63	0	23	0		
AR01167-3-1	72.1	50.2	4/25	6/5	37	18	0	8	25		
Terral TV8861	72.1	53.0	5/1	6/9	38	33	0	7	4	70.4	64.5
Dixie Bell EXP 215	71.9	53.0	5/2	6/7	37	48	0	2	0		
AGS 2038	71.8	53.2	4/27	6/7	40	55	0	5	4	68.5	
ARX1204	71.6	53.3	5/2	6/9	39	43	0	2	4		
Delta Grow 7200	71.5	51.4	5/1	6/7	37	38	0	2	0		
Syngenta CK 9553	71.0	55.3	4/24	6/3	40	45	0	23	4	63.7	56.6
Dixie DXEX13-3	70.4	52.2	5/2	6/7	38	78	0	2	15		
Dyna-Gro Baldwin	70.0	52.5	4/30	6/6	40	10	8	15	0	65.2	59.8
Terral TV8525	69.9	53.2	5/1	6/6	37	35	0	15	4	61.7	56.8
AR01179-4-1	69.6	54.9	4/27	6/7	38	45	0	2	0		
AgriMAXX 447	69.5	52.6	5/2	6/10	39	30	0	5	4		
AgriMAXXExp1340	69.5	52.7	5/1	6/6	37	23	0	9	0		
Syngenta Magnolia	69.4	51.8	4/30	6/6	41	23	0	4	25	62.8	59.7
AGS 2057	69.4	53.9	5/2	6/7	38	40	0	2	0		
USG 3120	69.4	54.3	4/24	6/7	35	68	1	7	0	63.3	55.6
Delta Grow 7500	69.3	53.1	5/1	6/9	37	43	0	11	0	65.6	62.5
USG 3251	69.3	55.1	5/1	6/7	39	53	0	9	0		
GA-031257-10LE34	69.2	50.6	4/26	6/5	35	53	0	23	8		
Croplan8925	69.1	51.9	5/1	6/7	39	8	0	2	0	61.0	
Pioneer Variety 26R41	68.4	52.5	5/1	6/7	36	40	0	11	0	66.5	
Terral LA754	68.2	54.1	4/25	6/5	39	63	0	23	0	62.4	55.2
Croplan554W	67.8	50.4	5/1	6/7	36	73	9	11	1		
Dixie Bell 620	67.3	50.3	4/30	6/7	37	33	0	11	4	59.9	
Progeny PGX 12-3	67.2	50.3	5/2	6/7	37	28	0	11	8		
USG 3993	67.2	51.3	5/1	6/9	42	28	46	1	0		
USG 3013	67.0	52.5	5/1	6/7	39	70	0	9	8		
Croplan8302	66.9	49.9	5/1	6/6	39	43	0	23	8	66.1	59.4
Jamestown	66.8	56.1	4/25	6/5	36	60	0	23	0	61.3	58.5
Pioneer Variety 26R87	66.8	54.0	4/23	6/4	38	55	0	8	0	59.6	56.9
Syngenta Oakes	66.1	54.1	5/1	6/5	38	58	0	7	4	59.6	52.8
Dixie Bell 412	66.0	51.1	5/1	6/7	37	40	0	7	0	57.5	



Table 3. Continued.

Entry Name	Test			Plant			Stripe	Leaf	Powdery	2-year Average (bu/A)	3-year Average (bu/A)
	Yield (bu/A)	Weight (lbs/bu)	Head Date	Maturity Date	Height (in.)	Lodge (%)	Rust (%Plot) 5/8	Blotch (%Plot) 5/8	Mildew (%Plot) 5/8		
VA09W-75	65.8	53.1	4/25	6/5	37	55	1	11	0		
Pioneer Variety 25R32	65.6	52.4	5/2	6/7	38	63	0	5	0	56.7	49.1
USG3833	65.5	53.8	5/3	6/9	38	33	0	2	15		
Pioneer Variety 26R20	65.4	54.0	5/1	6/7	38	58	0	7	0	60.7	55.8
Dixie Bell EXP 128	65.4	52.5	5/2	6/7	38	68	0	5	0		
Delta Grow 7300	65.2	48.6	5/2	6/5	37	15	0	19	4	60.1	
Progeny PGX 12-12	64.2	55.4	4/30	6/6	38	40	1	11	0		
AGS 2026	63.7	52.8	4/24	6/4	37	60	0	15	1	56.9	45.8
Delta Grow 9700	63.0	49.7	5/1	6/8	38	53	0	9	4		
Progeny P 185	62.8	51.9	5/1	6/7	40	10	70	0	8	57.8	49.2
LCS 38686	61.3	52.6	4/30	6/6	37	68	0	9	4		
Armor Ricochet	61.0	49.0	5/1	6/7	36	60	0	2	8	62.2	58.3
AgriMAXX EXP1335	60.6	50.6	4/29	6/6	35	73	0	5	8		
Progeny P 117	60.5	52.5	4/25	6/5	40	50	2	15	8	57.6	49.1
Pioneer Variety 26R22	60.5	53.9	4/27	6/6	39	43	1	11	8	55.8	54.1
Taggart 496	59.7	56.5	5/2	6/9	42	40	0	7	8		
LCS 34969	59.2	49.4	4/26	6/5	39	13	0	5	23		
AGS 2040	58.1	54.4	4/24	6/4	38	53	0	30	15	51.7	
AR01163-3-1	57.6	45.7	4/26	6/7	38	55	0	15	0		
AR00255-16-1	41.1	47.6	4/30	6/6	36	65	0	7	30	47.3	
Mean	71.6	52.9	4/29	6/6	38	41	2	9	4		
LSD (5%)	21.8	3.4	2	2	2	45	12	11	16		
CV (%)	15.4	3.3	1	1	3	55	373	60	207		

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

SOIL SERIES ..... Loring silt loam  
 PREVIOUS CROP ..... Grain sorghum  
 PLANTING DATE..... November 11, 2012  
 FERTILIZER ..... 90 lb of N/A + 24 lb of S/A on Mar 4, 2013; 60 lb of N/A + 24 lb of S/A, March 20, 2013  
 HERBICIDE ..... 0.6 oz/A of Harmony Extra, and 4.75 oz/A of Osprey on March 15, 2013  
 INSECTICIDE..... None  
 HARVEST DATE ..... June 19, 2013  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
Marianna	4.51	3.99	3.56	8.51	4.83	4.43	5.61	7.42	42.86
Marianna normal	3.00	4.40	4.80	4.40	4.10	5.40	5.50	5.20	36.80
Marianna departure	1.51	-0.41	-1.24	4.11	0.73	-0.97	0.11	2.22	6.06

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

Entry Name	Test		Head Date	Maturity Date	Plant Height (in.)	Lodging (%)	Scabby Seed (%)	2-year Average (bu/A)	3-year Average (bu/A)
	Yield (bu/A)	Weight (lbs/bu)							
USG 3013	92.5	56.4	4/30	6/2	41	25	1		
USG 3438	92.1	59.3	4/24	6/1	37	3	2	87.9	89.1
Terral LA754	91.7	57.5	4/21	5/26	38	0	2	81.5	81.8
USG 3201	90.5	60.6	4/28	6/2	37	10	1	80.8	84.8
ARX1204	89.9	57.7	5/6	6/5	41	0	0		
Delta Grow 9700	89.8	55.9	5/1	6/2	43	18	1		
AR01179-4-1	89.8	55.0	4/27	6/2	40	43	2		
ARX1206	89.2	58.0	4/28	5/31	36	5	3		
GA-04570-10E46	89.0	58.8	4/23	5/31	39	8	2		
Syngenta SY Harrison	88.7	55.2	4/29	6/2	37	13	1	84.6	
Dixie DXEX13-3	88.2	56.9	5/2	6/4	40	3	1		
Dyna-Gro 9223	88.1	55.6	4/30	6/3	42	10	1		
Terral TV8848	87.7	58.6	4/30	6/2	40	8	2	86.9	88.4
AGS 2026	87.6	59.1	4/21	5/27	37	3	2	89.5	89.0
AGS 2038	86.8	57.3	4/27	6/2	42	8	4	86.1	
Dixie DXEX13-1	86.5	57.1	4/30	6/2	38	20	0		
AgriMAXX 413	86.4	56.0	4/28	6/2	37	0	2	84.3	
Pioneer Variety 26R41	86.4	58.9	4/28	6/2	36	0	2	85.5	
Dixie Kelsey	86.3	58.3	4/27	5/31	38	0	1	82.0	85.0
Dixie McAlister	86.2	56.2	4/28	6/2	37	20	2	80.9	85.3
AgriMAXX 447	86.1	55.5	5/6	6/5	40	0	0		
AR00343-5-1	86.0	57.7	4/29	6/1	43	8	1		
ARX1107	86.0	57.3	4/28	6/1	37	0	2	86.3	
Dixie Bell EXP 7880	85.9	55.7	4/28	6/2	43	5	1		
Dixie Xtreme	85.8	55.7	4/29	6/2	42	5	1		
USG 3251	85.6	59.3	5/1	6/3	41	30	2		
Dixie Bell EXP 215	85.6	58.5	4/30	6/2	40	15	0		
Pioneer Variety 26R10	85.3	56.9	4/30	6/4	38	8	2	83.9	
AGS 2040	85.3	59.1	4/19	5/26	37	0	1	79.6	
AGEXP05247	85.3	57.7	5/4	6/6	41	0	1	80.0	

Table 4. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Maturity Date	Plant Height (in.)	Lodging (%)	Scabby Seed (%)	2-year Average (bu/A)	3-year Average (bu/A)
Dixie Bell 620	85.0	57.3	4/29	6/1	38	23	1	82.6	
Dixie DSEX13-2	85.0	56.7	5/3	6/4	38	10	1		
AGS 2035	84.1	58.8	4/21	5/30	41	3	3	79.6	81.3
Armor Ricochet	83.8	58.5	5/2	6/3	37	8	0	81.6	84.9
Pioneer Variety 26R20	83.6	59.3	4/30	6/3	41	30	4	79.5	84.4
Dyna-Gro 9012	83.6	57.4	4/28	5/31	38	13	1	78.8	82.4
USG 3523	83.2	57.9	4/29	6/2	38	23	1		
Dyna-Gro 9171	83.0	57.6	4/28	6/2	37	0	1		
Pioneer Variety 26R53	82.9	58.0	4/30	6/3	37	0	1	83.5	
Progeny PGX 12-3	82.1	56.6	5/2	6/4	38	8	0		
AGS 2056	82.0	57.9	4/29	6/2	37	0	2	80.1	83.6
AR01167-3-1	81.9	56.4	4/24	5/30	38	10	5		
Terral TV8525	81.8	59.7	4/28	6/2	37	5	2	82.9	85.2
USG 3120	81.4	57.6	4/21	5/30	39	5	2	79.9	83.4
Progeny P 125	80.4	57.6	4/20	5/26	36	0	1	80.7	82.8
USG3833	80.2	56.5	5/6	6/5	39	0	0		
Dixie Bell 412	80.1	57.2	5/2	6/3	40	30	1	77.1	
LA03200DE-2	80.0	61.1	4/24	5/30	36	0	2		
Pioneer Variety XW11G	79.8	58.4	5/3	6/3	40	38	2		
AR01040-4-1	79.6	55.3	4/29	6/2	44	0	1		
AgriMAXX 415	79.4	59.6	4/28	6/1	37	0	1	76.8	
Progeny PGX 12-10	79.3	56.8	4/28	6/2	38	25	1		
AR01163-3-1	78.9	54.7	4/24	5/30	39	15	1		
Pioneer Variety 26R87	78.8	59.3	4/20	5/27	35	0	3	79.9	80.9
Syngenta CK 9553	78.6	59.6	4/23	5/29	39	0	3	77.4	76.4
Taggart 496	78.4	56.1	5/3	6/4	43	5	1		
AR02061-1-1	78.4	58.6	4/27	5/30	41	5	1		
LCS 38889	78.0	58.8	5/4	6/6	40	10	0		
Armor Rampage	77.9	55.0	4/24	6/1	38	20	0	76.8	
Delta Grow 7500	77.6	56.6	4/30	6/3	37	3	2	76.4	81.0
Dyna-Gro Yorktown	77.5	57.4	4/24	5/31	37	0	1	79.1	
Progeny P 870	77.5	58.5	4/28	6/2	37	0	2	79.4	
Delta Grow 7200	77.2	59.6	4/30	6/3	38	15	1		
AR01209-2-1	77.1	57.4	4/29	6/2	39	3	4		
Progeny P 308	77.0	58.9	4/28	6/1	38	13	2	75.1	
Progeny PGX 12-12	77.0	58.6	4/25	5/30	39	13	2		
Pioneer Variety 26R22	76.8	58.5	4/28	6/2	38	0	4	79.0	82.0
Terral TV8861	76.5	58.0	5/1	6/3	38	18	1	77.9	81.6
GA-031086-10E29	76.4	58.5	4/24	5/27	37	0	1		
AGS 2057	76.2	59.3	5/5	6/4	40	0	1		
VA09W-75	75.7	58.2	4/23	5/31	34	0	1		
Delta Grow 7300	75.7	56.6	5/2	6/3	38	13	2	71.3	
Syngenta Oakes	75.5	56.6	4/27	5/30	38	18	1	76.0	75.3
Delta Grow 7000	75.5	59.8	5/6	6/5	38	0	0		
LCS 34969	75.5	57.8	4/24	5/29	37	0	4		
Terral TV8535	74.3	57.8	4/29	6/1	36	0	1	75.7	81.7
AgriMAXX EXP1335	74.3	57.3	4/29	6/3	38	5	1		

**Table 4. Continued.**

<b>Entry Name</b>	<b>Yield (bu/A)</b>	<b>Test Weight (lbs/bu)</b>	<b>Head Date</b>	<b>Maturity Date</b>	<b>Plant Height (in.)</b>	<b>Lodging (%)</b>	<b>Scabby Seed (%)</b>	<b>2-year Average (bu/A)</b>	<b>3-year Average (bu/A)</b>
Syngenta Magnolia	74.0	56.7	4/25	6/1	40	0	4	76.9	75.4
Progeny P 185	73.6	58.1	4/27	6/1	39	5	0	71.6	76.4
USG 3993	73.2	56.7	4/30	6/4	42	10	0		
Dyna-Gro Baldwin	72.7	58.1	4/28	6/3	44	13	5	75.5	76.6
Progeny P 357	72.3	55.3	5/3	6/4	38	3	1	72.4	
AgriMAXXExp1340	71.8	58.1	4/29	6/2	39	28	0		
LCS 38686	71.7	55.0	4/28	6/2	40	30	2		
Croplan8925	71.7	57.8	5/2	6/3	40	0	0	65.3	
Dixie Bell EXP 128	70.2	59.1	5/4	6/4	40	0	0		
Delta Grow 5000	69.6	56.8	4/20	5/29	34	0	1	70.3	
GA-031257-10LE34	69.6	54.7	4/24	5/29	36	5	4		
AR00255-16-1	68.7	57.9	4/29	5/31	36	20	3	70.5	
Jamestown	67.7	59.4	4/21	5/28	35	0	1	72.1	75.9
Croplan8302	67.3	55.8	4/28	6/1	40	5	1	71.8	75.4
Progeny P 117	66.8	57.4	4/24	5/29	40	0	0	63.2	66.4
AGS 2060	66.0	59.4	4/24	5/29	40	8	2	75.0	74.1
Croplan554W	65.7	55.5	4/27	5/31	37	3	2		
Pioneer Variety 25R32	60.9	55.8	5/3	6/3	40	0	0	68.4	73.4
Mean	80.0	57.6	4/28	6/1	39	8	1		
LSD (5%)	12.9	3.3	3	3	3	29	3		
CV (%)	8.2	2.9	1	1	4	178	100		

**STANDARD INPUT WHEAT TEST,  
NEWPORT EXTENSION CENTER, NEWPORT, ARK.**

SOIL SERIES ..... Beulah fine sandy loam  
 PREVIOUS CROP ..... Fallow  
 PLANTING DATE..... November 1, 2012  
 FERTILIZER ..... 125 lb N/A + 100 lb S/A on February 25, 2012  
 HERBICIDE ..... 4.75 oz/A Osprey + 0.9 oz/A Harmony Extra on March 28, 2013  
 HARVEST DATE ..... June 23, 2013  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
2012-2013	4.30	2.36	3.31	4.84	5.41	3.45	4.31	9.52	37.50
Newport Normal	3.30	3.20	2.80	2.40	2.70	3.90	4.20	4.60	27.10
Newport Departure	1.00	-0.84	0.51	2.44	2.71	-0.45	0.11	4.92	10.40

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

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Leaf Rust	Stripe Rust	Stripe Rust	Stagonospora Leaf Blotch	Stagonospora Leaf Blotch
			(%Plot) 5/20	(%Plots) 4/17	(%Plots) 5/6	(%Plots) 4/17	(%Plots) 5/6
AR01040-4-1	82.3	55.4	1	5	2	2	2
ARX1206	79.2	54.8	0	0	0	2	2
AgriMAXX 415	79.1	56.1	2	0	0	2	2
Syngenta SY Harrison	78.9	53.2	4	0	0	2	2
AgriMAXX 413	77.5	52.9	3	0	0	2	1
AGS 2038	77.4	56.5	0	0	0	2	2
Dixie DXEX13-1	76.6	55.8	4	0	0	2	2
Pioneer Variety 26R87	76.6	57.4	4	1	0	2	2
Dixie McAlister	75.8	55.0	1	0	0	2	1
GA-031257-10LE34	75.8	55.4	0	1	0	2	2
Pioneer Variety XW11G	73.9	55.2	1	0	2	2	2
Terral LA754	72.9	54.2	1	0	15	2	2
Syngenta Oakes	72.9	56.4	2	0	1	2	5
Dyna-Gro 9012	72.7	57.9	2	0	0	2	2
USG3833	72.7	55.1	1	0	0	2	2
GA-04570-10E46	72.3	56.0	0	0	0	2	2
Dixie Xtreme	72.2	53.8	8	0	0	2	1
Dixie Kelsey	72.2	56.2	8	0	0	2	2
ARX1107	72.1	52.2	45	0	0	2	2
AGS 2026	72.1	55.7	0	0	0	2	2
Delta Grow 7200	71.8	54.7	2	0	0	2	2
Syngenta CK 9553	71.8	55.9	30	0	0	5	5
USG 3251	71.8	55.2	2	0	0	2	2
USG 3120	71.7	56.9	1	2	16	2	2
Terral TV8861	71.3	55.4	4	1	1	2	5
Dixie DXEX13-2	71.0	52.5	1	0	1	2	2
Pioneer Variety 26R53	71.0	56.1	2	0	0	2	2

Table 5. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Leaf Rust	Stripe	Stripe	Stagonospora	Stagonospora
			(%Plot) 5/20	Rust (%Plots) 4/17	Rust (%Plots) 5/6	Leaf Blotch (%Plots) 4/17	Leaf Blotch (%Plots) 5/6
Dixie DSEX13-3	70.8	56.1	1	0	0	2	2
USG 3438	70.6	54.7	2	0	0	2	2
AGS 2040	70.4	54.1	0	0	0	2	7
VA09W-75	70.4	54.3	0	2	15	5	2
Dyna-Gro 9171	69.8	52.1	2	1	0	2	2
Terral TV8535	69.8	53.2	2	0	0	2	2
LA03200DE-2	69.7	56.1	0	0	4	2	2
AR01209-2-1	69.6	53.3	2	2	7	2	5
Pioneer Variety 26R41	69.5	57.9	2	0	0	2	2
Dixie Bell 620	69.4	52.8	1	1	0	2	2
AR00343-5-1	69.3	51.5	0	2	9	2	2
Armor Rampage	69.3	50.4	8	0	1	5	7
AR00255-16-1	69.0	55.1	0	0	0	2	5
AgriMAXXExp1340	69.0	55.7	4	0	0	2	2
Jamestown	68.9	55.6	16	0	0	5	7
Terral TV8848	68.5	55.3	16	0	0	2	2
GA-031086-10E29	68.2	53.6	8	0	0	2	5
Progeny PGX 12-10	67.9	52.1	22	0	0	2	2
Dyna-Gro Yorktown	67.8	56.5	0	9	29	2	5
Dixie Bell EXP 215	67.5	54.8	3	0	0	2	2
USG 3523	67.5	55.2	2	0	0	2	5
Dyna-Gro Baldwin	67.0	56.0	0	1	9	2	2
LCS 38686	66.9	54.3	2	1	19	2	5
AgriMAXX 447	66.7	53.0	0	0	0	2	2
Pioneer Variety 26R20	66.7	54.3	1	0	11	2	2
Delta Grow 7500	66.6	52.3	3	0	0	2	2
AR02061-1-1	66.5	57.2	4	0	1	2	5
Progeny PGX 12-3	66.3	54.1	0	0	1	2	2
AR01179-4-1	66.2	53.1	0	0	0	2	1
USG 3201	65.6	56.4	2	0	0	2	2
AGS 2060	65.6	56.4	0	1	0	2	2
Syngenta Magnolia	65.1	54.9	8	0	0	2	2
Dixie Bell 412	64.8	55.2	2	0	0	2	2
AGS 2035	64.4	55.6	0	5	16	2	2
Dixie Bell EXP 7880	64.3	53.4	1	2	16	2	2
Terral TV8525	64.2	56.7	2	0	0	2	2
AGS 2056	63.9	53.5	2	0	0	2	1
Dyna-Gro 9223	63.7	53.0	18	0	0	2	5
Progeny P 308	63.6	53.8	7	0	2	2	2
USG 3013	63.4	53.5	1	0	0	2	5
AGEXP05247	62.5	55.8	0	1	0	2	1
Pioneer Variety 26R10	62.2	53.0	4	0	0	2	2
Progeny P 870	61.5	53.6	2	0	0	2	2
AgriMAXX EXP1335	60.8	53.9	11	0	0	2	2
Delta Grow 9700	60.7	38.8	2	0	0	2	2
Progeny P 125	60.4	52.9	72	2	0	5	30
Pioneer Variety 26R22	59.7	55.1	0	5	50	2	2
Croplan8302	59.0	54.6	23	0	0	2	5

Table 5. Continued.

<b>Entry Name</b>	<b>Yield (bu/A)</b>	<b>Test Weight (lbs/bu)</b>	<b>Leaf Rust (%Plot) 5/20</b>	<b>Stripe Rust (%Plots) 4/17</b>	<b>Stripe Rust (%Plots) 5/6</b>	<b>Stagonospora Leaf Blotch (%Plots) 4/17</b>	<b>Stagonospora Leaf Blotch (%Plots) 5/6</b>
Delta Grow 7000	59.0	53.4	0	0	2	2	5
AR01163-3-1	58.8	53.5	1	1	33	5	5
Delta Grow 7300	58.7	51.9	4	0	2	2	2
AR01167-3-1	58.1	51.0	7	1	0	2	2
ARX1204	58.0	55.4	0	1	0	2	1
Armor Ricochet	57.5	54.5	0	1	1	2	2
LCS 34969	56.7	52.2	2	0	0	2	1
Croplan8925	55.7	56.5	2	1	1	2	2
AGS 2057	55.2	54.5	1	0	11	2	2
Pioneer Variety 25R32	55.0	54.5	7	0	0	2	2
Dixie Bell EXP 128	54.9	55.6	0	4	26	2	2
Progeny P 357	54.7	51.5	46	4	4	2	2
Delta Grow 5000	52.2	53.5	45	0	0	2	15
LCS 38889	51.5	55.7	2	0	2	2	7
Progeny PGX 12-12	51.2	55.1	4	1	0	2	5
Progeny P 117	51.2	38.4	16	2	39	5	7
Croplan554W	50.8	51.7	0	4	58	2	2
Progeny P 185	49.7	52.9	7	2	43	2	5
USG 3993	47.8	55.0	1	9	70	2	2
Taggart 496	44.3	55.0	1	1	11	2	2
Mean	65.7	54.2	6	1	6	2	3
LSD (5%)	15.3	8.2	20	4	21	2	3
CV (%)	11.8	7.7	181	239	173	43	49

**STANDARD INPUT WHEAT TEST  
ROHWER RESEARCH STATION, ROHWER, ARK.**

SOIL SERIES ..... Sharkey/Desha silt loam  
 PREVIOUS CROP ..... Soybeans  
 PLANTING DATE..... November 1, 2012  
 FERTILIZER ..... 60 units N/A on March 6, 2013; 75 units N/A on April 8, 2013  
 HERBICIDE ..... None  
 INSECTICIDE..... None  
 HARVEST DATE ..... June 13, 2013  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
Rohwer	3.67	1.66	5.24	10.15	5.17	4.39	6.12	5.71	42.11
Rohwer Normal	4.50	5.60	6.70	3.40	5.50	5.20	3.50	4.70	39.10
Rohwer Departure	-0.83	-3.94	-1.46	6.75	-0.33	-0.81	2.62	1.01	3.01

**Table 6. Performance of wheat cultivars in the standard input test, Rohwer.<sup>1</sup>**

Entry Name	Test			Plant			Bird damage (%)	Stripe Rust (%)		Leaf Blotch (%)	2-year Average (bu/A)	3-year Average (bu/A)
	Yield (bu/A)	Weight (lbs/bu)	Head Date	Maturity Date	Height (in.)	Lodge (%)		4/16	5/7			
AgriMAXX 413	96.5	56.9	4/21	5/28	35	10	0	0	0	5	96.0	
Dixie Bell 620	92.9	56.5	4/22	5/28	36	18	0	0	0	9	95.4	
AgriMAXX 415	92.8	56.2	4/21	5/27	36	5	0	0	0	11	95.1	
Dixie Bell 412	92.5	56.4	4/24	5/29	37	5	0	0	0	9	94.0	
Progeny P 357	92.5	57.0	4/24	5/30	37	0	5	1	0	11	88.2	
ARX1206	92.1	56.9	4/21	5/28	35	0	0	2	2	7		
Dixie Kelsey	91.9	55.9	4/19	5/28	36	15	0	0	0	7	94.2	96.5
Delta Grow 7200	91.8	56.3	4/22	5/28	35	5	0	0	1	7		
Delta Grow 7500	91.3	56.8	4/23	5/29	35	5	0	0	0	2	96.3	98.5
USG 3013	90.7	56.7	4/23	5/28	37	10	0	0	0	5		
Dyna-Gro 9012	90.5	56.1	4/20	5/27	36	5	0	0	0	5	92.5	93.6
USG 3438	90.5	57.1	4/22	5/28	34	5	0	0	0	7	92.2	95.7
Pioneer Variety 26R41	90.4	56.4	4/21	5/27	34	5	0	0	0	7	91.7	
ARX1107	90.2	56.7	4/21	5/26	36	0	0	0	0	5	84.3	
USG 3201	90.1	56.3	4/21	5/27	34	0	0	0	0	2	94.9	97.8
USG 3251	89.7	56.3	4/23	5/29	38	0	0	0	0	11		
Dixie McAlister	89.5	56.9	4/21	5/27	34	5	0	0	0	2	94.0	98.2
Progeny P 870	89.3	57.0	4/21	5/27	35	0	0	0	0	5	94.5	
Dixie DXEX13-1	88.5	56.4	4/24	5/27	36	10	0	0	0	5		
Progeny PGX 12-10	88.4	56.5	4/20	5/26	36	5	0	0	0	5		
Dixie Xtreme	88.3	56.7	4/21	5/28	37	10	0	0	0	5		
Terral TV8861	87.6	56.4	4/24	5/29	35	0	0	0	0	2	86.9	92.3
Pioneer Variety 26R10	87.5	56.4	4/22	5/29	34	0	0	0	0	15	88.6	
AgriMAXXExp1340	87.5	56.5	4/24	5/29	36	15	0	0	0	5		
Syngenta SY Harrison	87.3	57.4	4/21	5/28	35	5	0	0	0	7	94.5	
USG3833	86.7	56.3	4/26	5/31	37	5	0	0	0	5		
Dixie DXEX13-3	86.6	56.3	4/24	5/30	39	5	0	1	0	11		
Dixie DXEX13-2	86.4	56.8	4/23	5/28	35	5	0	0	0	2		
AGEXP05247	86.3	56.6	4/24	5/31	37	0	0	0	0	5	92.5	



Table 6. Continued.

Entry Name	Test			Plant			Bird damage (%)	Stripe Rust (%)		Leaf Blotch (%)	2-year Average (bu/A)	3-year Average (bu/A)
	Yield (bu/A)	Weight (lbs/bu)	Head Date	Maturity Date	Height (in.)	Lodge (%)		4/16	5/7	5/7		
AgriMAXX 413	96.5	56.9	4/21	5/28	35	10	0	0	0	5	96.0	
Pioneer Variety 26R53	86.1	56.7	4/22	5/26	32	0	0	0	2	5	93.2	
ARX1204	86.0	56.7	4/25	5/31	37	0	0	0	0	2		
AgriMAXX EXP1335	84.3	57.4	4/20	5/28	36	10	0	0	0	2		
Terral TV8848	84.1	56.6	4/22	5/29	36	15	0	0	0	7	87.3	88.8
Terral TV8535	83.6	57.0	4/21	5/29	34	10	0	0	0	7	93.6	95.1
Armor Ricochet	83.6	56.9	4/24	5/27	35	15	0	2	1	15	90.6	97.3
Dixie Bell EXP 215	83.4	56.5	4/23	5/28	36	10	0	0	0	7		
Pioneer Variety 26R20	83.4	56.8	4/23	5/29	36	15	0	2	1	5	95.8	95.3
Pioneer Variety XW11G	83.3	56.6	4/24	5/29	36	10	0	2	0	2		
AgriMAXX 447	83.2	56.2	4/23	5/31	38	5	0	0	0	2		
Dyna-Gro 9223	82.8	56.7	4/21	5/28	38	5	0	0	0	15		
AGS 2056	82.2	57.0	4/21	5/29	35	0	0	0	0	7	89.6	94.8
Dixie Bell EXP 128	81.3	56.7	4/25	5/30	37	5	0	9	5	9		
Croplan8302	81.3	57.2	4/19	5/27	38	0	0	0	0	11	80.5	86.0
Progeny PGX 12-3	81.1	56.9	4/23	5/29	36	0	0	1	0	5		
Terral TV8525	80.3	56.7	4/20	5/28	34	0	0	0	4	5	85.6	91.5
Dyna-Gro 9171	80.3	57.3	4/20	5/28	35	0	0	0	0	5		
Armor Rampage	80.2	57.0	4/18	5/28	37	15	0	1	1	11	81.8	
Delta Grow 9700	79.8	57.2	4/22	5/29	38	10	0	0	0	15		
Progeny P 308	79.7	56.4	4/19	5/28	35	15	0	0	8	7	83.8	
LCS 38889	79.6	56.0	4/26	6/1	40	20	0	1	0	2		
USG 3523	79.0	56.7	4/22	5/28	36	5	0	0	0	5		
AR01167-3-1	78.3	56.9	4/16	5/24	36	5	0	1	0	11		
AR01179-4-1	77.9	57.0	4/17	5/27	36	18	0	0	0	5		
AR00255-16-1	77.6	57.2	4/22	5/28	34	23	0	0	0	15	88.4	
Delta Grow 7300	77.4	57.4	4/25	5/30	35	0	0	1	2	7	76.1	
Syngenta Oakes	74.8	56.7	4/20	5/25	38	20	0	2	4	11	84.7	86.3
Pioneer Variety 25R32	74.6	57.2	4/26	5/30	38	5	0	0	0	2	78.9	82.5
Delta Grow 7000	73.6	57.1	4/25	5/31	36	10	0	9	4	7		
GA-031257-10LE34	73.5	57.6	4/16	5/23	33	10	0	3	1	15		
AGS 2057	73.0	57.4	4/26	5/30	36	10	0	9	5	11		
AR02061-1-1	72.8	57.5	4/17	5/24	37	20	0	0	4	15		
LCS 34969	71.0	57.6	4/16	5/24	34	10	0	1	0	15		
Dixie Bell EXP 7880	70.5	57.5	4/19	5/26	39	20	0	3	8	7		
AR01209-2-1	70.0	56.7	4/19	5/28	39	15	0	4	4	11		
Syngenta Magnolia	69.7	59.2	4/14	5/23	38	5	20	2	0	11	79.2	82.7
Croplan8925	68.2	58.2	4/24	6/1	39	0	0	0	30	7	74.7	
AR00343-5-1	65.6	58.2	4/17	5/25	38	15	23	21	7	23		
GA-031086-10E29	65.2	58.6	4/18	5/23	35	25	8	0	0	19		
AGS 2038	64.9	57.8	4/16	5/26	40	15	0	3	0	2	88.7	
AR01040-4-1	64.3	58.7	4/16	5/25	37	5	5	28	30	7		
LCS 38686	62.3	57.4	4/20	5/26	35	23	0	15	15	15		
Syngenta CK 9553	61.0	59.0	4/15	5/22	37	10	10	0	0	11	73.2	81.9
Progeny PGX 12-12	60.4	57.9	4/16	5/27	36	23	0	9	15	11		
Dyna-Gro Baldwin	60.0	57.9	4/16	5/27	41	20	0	30	30	15	78.7	86.8

Table 6. Continued.

Entry Name	Test		Plant		Bird damage (%)	Lodge (%)	Stripe Rust	Stripe Rust	Leaf Blotch	2-year Average (bu/A)	3-year Average (bu/A)	
	Yield (bu/A)	Weight (lbs/bu)	Head Date	Maturity Date			Height (in.)	(%) 4/16	(%) 5/7			(%) 5/7
Progeny P 185	56.9	59.0	4/20	5/30	37	25	0	35	78	0	68.5	77.0
Pioneer Variety 26R22	56.5	58.9	4/20	5/27	36	5	0	21	70	4	77.0	85.8
Taggart 496	55.8	58.5	4/26	6/1	40	23	0	13	33	15		
Pioneer Variety 26R87	55.6	58.8	4/14	5/22	35	0	10	13	7	7	78.7	84.4
LA03200DE-2	54.6	59.9	4/13	5/23	35	5	13	3	0	16		
AGS 2060	52.6	59.2	4/13	5/25	37	10	0	21	8	15	77.6	83.7
Croplan554W	49.0	59.8	4/18	5/26	35	30	0	35	89	1		
GA-04570-10E46	47.2	60.1	4/12	5/21	38	0	40	3	1	7		
VA09W-75	46.1	61.0	4/13	5/21	34	0	43	16	5	11		
Terral LA754	45.8	61.2	4/11	5/22	37	5	23	35	39	8	73.4	78.3
USG 3993	45.0	59.4	4/24	5/31	37	15	0	55	89	0		
Dyna-Gro Yorktown	44.3	58.5	4/14	5/24	35	5	20	14	9	11	72.6	
Jamestown	43.8	60.1	4/11	5/22	36	0	23	0	0	15	66.8	77.4
AR01163-3-1	43.6	60.9	4/15	5/22	37	5	33	55	70	0		
Progeny P 117	39.3	60.8	4/14	4/30	37	5	33	85	98	0	49.3	62.0
AGS 2035	38.8	59.6	4/12	5/22	39	5	28	19	23	23	67.4	78.1
AGS 2026	38.6	59.2	4/12	5/20	36	5	38	0	0	11	65.0	70.8
Delta Grow 5000	36.9	57.4	4/13	5/20	35	0	48	1	0	23	56.1	
USG 3120	36.8	57.4	4/11	5/20	38	0	48	11	33	8	66.8	77.7
Progeny P 125	29.1	57.4	4/14	5/20	36	0	50	1	0	15	51.0	65.1
AGS 2040	26.5	57.4	4/12	5/20	35	0	50	13	8	19	52.7	
Mean	73.1	57.5	4/20	5/26	36	8	6	7	9	8		
LSD (5%)	16.0	1.0	3	9	3	16	16	9	15	10		
CV (%)	11.1	0.9	1	3	4	102	134	73	80	63		

<sup>1</sup>Severe bird damaged decreased yield of early flowering varieties

**STANDARD INPUT WHEAT TEST  
RICE RESEARCH AND EXTENSION CENTER, STUTTGART, ARK.**

SOIL SERIES ..... Crowley silt loam  
 PREVIOUS CROP ..... Fallow  
 PLANTING DATE..... November 9, 2012  
 FERTILIZER..... 70 units of N/A on Feb 7, 2013; 50 units of N/A on March 7, 2013  
 HERBICIDE ..... 0.6 oz/A of Harmony Extra, and 4.75 oz/A of Osprey on March 15, 2013  
 INSECTICIDE..... None  
 FUNGICIDE..... None  
 HARVEST DATE ..... June 12, 2013  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
Stuttgart	2.27	2.38	1.29	5.97	3.92	2.23	8.72	4.31	31.09
Stuttgart Normal	3.70	5.50	4.70	3.50	3.40	4.90	5.00	4.80	35.50
Stuttgart Departure	-1.43	-3.12	-3.41	2.47	0.52	-2.67	3.72	-0.49	-4.41

**Table 7. Performance of wheat cultivars in the standard input test, Stuttgart.**

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Plant Height (in.)	2-year Average (bu/A)
AR01040-4-1	87.6	59.3	4/25	39	
USG 3438	81.7	59.3	4/29	32	72.4
AgriMAXX 447	80.2	59.0	4/30	37	
USG 3201	80.1	60.9	4/29	33	78.0
Dixie Bell 620	79.4	58.2	4/29	35	75.1
AgriMAXX EXP1335	79.2	57.9	4/27	34	
Dixie Bell EXP 7880	79.2	58.6	4/29	39	
Dyna-Gro 9012	79.2	61.5	4/28	33	72.8
USG 3251	78.8	58.7	4/30	35	
AgriMAXX 415	78.7	61.0	4/28	33	72.7
ARX1107	78.3	59.1	4/29	34	75.7
AR01163-3-1	78.3	55.7	4/24	35	
Dyna-Gro 9171	78.0	59.1	4/29	35	
LCS 38889	78.0	59.5	5/2	37	
Terral TV8525	77.9	59.7	4/28	32	76.8
Syngenta SY Harrison	77.6	57.0	4/28	34	75.3
GA-031086-10E29	77.6	59.5	4/23	30	
Dixie DXEX13-3	77.5	58.4	4/30	36	
ARX1204	77.5	57.8	5/2	37	
AGS 2026	77.5	58.4	4/20	33	69.7
USG 3523	77.1	58.3	4/29	35	
USG 3013	76.9	56.0	4/30	37	
AR00343-5-1	76.8	57.6	4/28	37	
AgriMAXX 413	76.4	58.7	4/29	34	72.0
USG3833	76.2	58.4	5/2	36	

Table 7. Continued.

Entry Name	Yield (bu/A)	Test Weight (lbs/bu)	Head Date	Plant Height (in.)	2-year Average (bu/A)
Progeny PGX 12-10	76.1	58.8	4/29	35	
Dixie Xtreme	76.0	56.6	4/30	35	
Dixie Bell 412	75.9	57.6	5/1	36	68.9
Dixie Kelsey	75.6	62.5	4/29	32	73.1
Dixie DSEX13-1	75.5	58.8	4/30	34	
AR01167-3-1	75.4	58.0	4/25	31	
Terral LA754	74.6	58.0	4/25	32	69.3
Dixie DSEX13-2	74.1	59.1	5/1	33	
AgriMAXXExp1340	73.9	59.3	4/30	32	
Terral TV8535	73.6	58.4	4/29	33	71.4
Pioneer Variety 26R53	73.6	60.2	4/29	33	72.1
Dyna-Gro Yorktown	73.6	59.2	4/27	34	69.3
AR01209-2-1	73.6	58.8	4/26	36	
Progeny P 870	73.3	58.4	4/28	33	71.8
Dixie McAlister	72.8	59.5	4/29	32	72.4
Dixie Bell EXP 215	72.8	58.5	4/29	34	
Pioneer Variety 26R41	72.4	59.7	4/28	32	68.3
AR00255-16-1	72.3	59.9	4/28	30	66.3
Terral TV8848	72.2	58.5	4/29	35	70.0
Progeny P 308	72.1	59.9	4/28	32	70.1
Dyna-Gro 9223	71.8	56.4	4/30	36	
Armor Ricochet	71.5	58.1	5/2	31	65.7
Progeny PGX 12-3	70.9	58.8	4/30	32	
LCS 38686	70.6	57.3	4/28	35	
USG 3120	70.5	59.6	4/22	34	70.3
Delta Grow 7200	70.4	59.4	4/30	34	
AR01179-4-1	70.3	56.9	4/26	36	
Delta Grow 7300	70.2	56.3	5/2	33	69.8
Pioneer Variety 26R10	70.2	57.0	4/30	34	68.3
GA-04570-10E46	69.9	58.5	4/26	37	
VA09W-75	69.6	58.8	4/24	33	
LCS 34969	69.2	56.5	4/24	32	
Armor Rampage	68.7	56.1	4/26	33	67.1
Syngenta Magnolia	68.2	59.4	4/25	33	66.4
LA03200DE-2	68.1	60.6	4/27	31	
Progeny P 357	67.9	56.9	5/2	35	65.9
Syngenta Oakes	67.7	59.4	4/27	35	64.4
AGS 2057	67.6	59.8	5/2	35	
Croplan8302	67.4	59.5	4/29	35	64.5
Delta Grow 7500	67.2	59.7	4/30	33	67.8
AGS 2038	67.1	57.8	4/30	39	67.4
Dixie Bell EXP 128	66.6	60.4	5/2	35	
ARX1206	66.3	57.9	4/30	33	
Pioneer Variety 25R32	66.1	60.5	5/1	34	63.3
Taggart 496	65.8	57.0	5/3	37	
USG 3993	65.6	57.4	4/30	38	
Progeny P 185	65.5	57.9	4/27	35	66.0
Progeny PGX 12-12	65.4	59.8	4/27	33	
Progeny P 125	65.3	59.2	4/21	29	62.2

Table 7. Continued.

<b>Entry Name</b>	<b>Yield (bu/A)</b>	<b>Test Weight (lbs/bu)</b>	<b>Head Date</b>	<b>Plant Height (in.)</b>	<b>2-year Average (bu/A)</b>
Syngenta CK 9553	64.9	60.4	4/24	33	64.9
Delta Grow 9700	64.7	55.2	4/30	36	
AR02061-1-1	64.6	60.1	4/28	36	
Pioneer Variety 26R20	64.2	58.7	4/30	36	65.1
Croplan8925	63.9	60.0	4/30	36	62.8
AGS 2060	63.7	60.3	4/24	36	60.9
Terral TV8861	63.4	58.0	5/1	33	67.9
AGS 2056	63.3	57.6	4/30	34	64.1
Delta Grow 7000	62.4	60.7	5/2	34	
Dyna-Gro Baldwin	62.1	58.0	4/29	38	62.1
Pioneer Variety 26R22	62.1	59.9	4/28	33	61.1
Pioneer Variety 26R87	61.6	61.9	4/25	32	61.2
Jamestown	60.9	61.1	4/21	30	59.9
Pioneer Variety XW11G	60.6	59.2	5/2	35	
GA-031257-10LE34	59.6	58.4	4/26	32	
Delta Grow 5000	57.7	57.6	4/21	31	59.7
Progeny P 117	57.4	56.7	4/23	36	59.5
Croplan554W	57.3	57.1	4/29	34	
AGS 2040	57.0	60.8	4/22	31	56.3
AGEXP05247	55.5	56.4	5/3	37	53.1
AGS 2035	55.2	57.5	4/28	35	59.4
Mean	70.5	58.7	4/28	34	
LSD (5%)	13.7	2.7	2.5	2	
CV (%)	9.9	2.3	1.1	3.5	

**HIGH INPUT WHEAT TEST**  
**RICE RESEARCH AND EXTENSION CENTER, STUTTGART, ARK.**

SOIL SERIES ..... Crowley silt loam  
 PREVIOUS CROP ..... Fallow  
 PLANTING DATE ..... November 9, 2012  
 FERTILIZER ..... 90 units of N/A on Feb 7, 2012; 60 units of N/A on March 7, 2013  
 HERBICIDE ..... 0.6 oz/A of Harmony Extra, and 4.75 oz/A of Osprey on March 15, 2013  
 INSECTICIDE ..... None  
 FUNGICIDE ..... 4 oz/A of Tilt on April 16, 2013  
 HARVEST DATE ..... June 12, 2013  
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	-----Inches-----								
Stuttgart	2.27	2.38	1.29	5.97	3.92	2.23	8.72	4.31	31.09
Stuttgart Normal	3.70	5.50	4.70	3.50	3.40	4.90	5.00	4.80	35.50
Stuttgart Departure	-1.43	-3.12	-3.41	2.47	0.52	-2.67	3.72	-0.49	-4.41

**Table 8. Performance of wheat cultivars in the high input test, Stuttgart.**

<b>Entry Name</b>	<b>Yield (bu/A)</b>	<b>Test Weight (lbs/bu)</b>	<b>Head Date</b>	<b>Plant Height (in.)</b>	<b>2-year Average (bu/A)</b>
ARX1107	91.4	59.7	4/28	34	81.2
Dyna-Gro 9012	90.6	59.0	4/26	33	78.2
USG 3523	90.4	58.2	4/26	35	
USG 3251	90.1	58.0	4/28	35	
Dixie Kelsey	89.6	59.9	4/25	35	77.8
Dixie Bell 412	89.5	57.7	4/29	34	77.5
ARX1206	88.2	58.0	4/25	32	
Dixie Bell EXP 7880	87.7	57.9	4/27	39	
Terral TV8525	87.7	58.7	4/26	34	76.5
LCS 38686	87.1	57.0	4/26	34	
Dixie Xtreme	87.1	56.0	4/27	38	
USG 3438	87.0	58.8	4/26	34	75.9
AgriMAXX EXP1335	86.6	58.3	4/26	34	
Delta Grow 7500	86.2	57.3	4/27	34	73.8
AR01040-4-1	86.0	57.8	4/26	40	
Progeny P 308	85.8	58.5	4/25	34	74.8
USG 3013	85.1	55.7	4/28	38	
Dixie Bell 620	85.1	55.9	4/28	34	75.9
Dixie McAlister	84.6	57.0	4/27	32	73.9
USG 3201	84.4	60.5	4/26	35	76.1
Armor Ricochet	84.3	58.1	4/29	33	75.3
Dixie Bell EXP 215	84.0	58.5	4/28	34	
USG3833	83.9	55.8	4/30	35	
Terral TV8861	83.8	57.6	4/27	34	76.3
Dyna-Gro 9171	83.6	58.7	4/26	33	

Table 8. Continued.

<b>Entry Name</b>	<b>Yield (bu/A)</b>	<b>Test Weight (lbs/bu)</b>	<b>Head Date</b>	<b>Plant Height (in.)</b>	<b>2-year Average (bu/A)</b>
AgriMAXX 447	83.5	57.0	4/29	36	
AR01167-3-1	83.4	57.4	4/22	33	
Dixie DXEX13-1	83.2	58.7	4/29	34	
Dyna-Gro 9223	83.2	55.7	4/27	37	
Progeny PGX 12-10	82.6	58.8	4/27	35	
Delta Grow 9700	82.6	56.1	4/27	38	
ARX1204	82.6	56.0	4/30	36	
Pioneer Variety 26R41	82.3	59.2	4/27	31	74.9
Dixie DXEX13-2	82.2	57.5	4/29	32	
LCS 38889	82.2	58.2	4/30	36	
Syngenta SY Harrison	82.1	54.8	4/28	34	76.9
AR01209-2-1	81.7	58.3	4/25	38	
Dixie DXEX13-3	81.7	58.5	4/28	36	
AR01179-4-1	81.7	55.2	4/24	34	
Terral TV8535	81.6	55.2	4/26	35	73.7
Dyna-Gro Yorktown	81.1	57.2	4/25	33	70.9
AR00343-5-1	81.0	56.0	4/25	39	
Progeny P 870	80.9	58.6	4/26	32	73.6
LCS 34969	80.9	57.8	4/24	32	
Progeny P 357	80.8	56.6	4/28	34	73.7
Armor Rampage	80.8	54.2	4/23	35	69.2
USG 3120	80.7	59.1	4/20	34	74.8
AgriMAXX 413	80.3	58.7	4/27	34	73.7
AR01163-3-1	80.0	55.7	4/23	37	
Pioneer Variety 26R10	79.7	56.4	4/28	36	72.3
Delta Grow 7300	79.5	56.2	4/29	34	74.2
AgriMAXX 415	79.5	60.6	4/27	33	72.9
AgriMAXXExp1340	79.4	58.4	4/27	34	
Terral LA754	79.1	58.8	4/20	34	70.7
AGS 2026	78.9	58.1	4/17	29	70.2
GA-031086-10E29	78.8	58.2	4/23	31	
AGS 2038	78.6	57.0	4/26	39	70.6
USG 3993	78.5	54.7	4/27	38	
Croplan8302	78.1	58.1	4/25	35	70.8
AGS 2056	77.8	57.6	4/27	34	70.1
AR00255-16-1	77.7	59.1	4/27	30	69.9
Pioneer Variety 26R20	76.9	59.5	4/28	36	69.7
Taggart 496	76.8	57.5	4/29	39	
GA-031257-10LE34	76.7	57.6	4/21	30	
GA-04570-10E46	76.7	59.2	4/25	36	
Dixie Bell EXP 128	76.0	59.2	4/29	36	
Progeny P 185	75.9	56.6	4/24	35	70.5
Jamestown	75.7	60.4	4/18	30	64.9
AGS 2035	75.6	57.8	4/22	36	68.0
AR02061-1-1	75.5	60.0	4/24	36	
Syngenta Oakes	75.5	57.7	4/26	34	67.4
Syngenta Magnolia	75.5	57.7	4/25	37	69.8

**Table 8. Continued.**

<b>Entry Name</b>	<b>Yield (bu/A)</b>	<b>Test Weight (lbs/bu)</b>	<b>Head Date</b>	<b>Plant Height (in.)</b>	<b>2-year Average (bu/A)</b>
Terral TV8848	75.4	57.6	4/27	36	69.7
Pioneer Variety 26R22	75.1	59.2	4/26	34	70.4
Pioneer Variety XW11G	74.8	59.2	4/29	34	
Pioneer Variety 26R53	74.8	59.2	4/28	32	70.4
Pioneer Variety 25R32	74.5	59.0	4/28	36	66.7
VA09W-75	74.3	58.6	4/23	33	
Progeny P 125	73.4	58.4	4/17	30	66.5
Delta Grow 5000	73.4	58.0	4/20	31	65.4
Dyna-Gro Baldwin	73.3	57.6	4/27	39	65.3
Croplan554W	72.6	56.2	4/27	34	
Croplan8925	72.4	58.1	4/28	37	67.3
AGS 2057	71.8	58.7	4/29	35	
Delta Grow 7000	71.2	59.1	4/29	35	
Progeny PGX 12-12	71.1	58.2	4/24	35	
AGEXP05247	70.8	56.7	4/28	36	62.3
Delta Grow 7200	70.5	57.7	4/28	34	
Progeny P 117	69.7	57.5	4/21	37	64.9
Pioneer Variety 26R87	69.0	59.6	4/22	32	64.2
LA03200DE-2	69.0	59.4	4/20	32	
Syngenta CK 9553	68.9	59.3	4/23	33	63.3
AGS 2040	67.3	60.3	4/19	32	60.3
Progeny PGX 12-3	67.1	54.9	4/28	32	
AGS 2060	65.2	59.0	4/24	37	62.7
Mean	79.5	57.9	4/26	34	
LSD (5%)	14.2	2.5	2	3	
CV (%)	9.1	2.2	1.0	4.0	





**PARTICIPANTS AND ENTRIES  
2012-2013 WHEAT VARIETY TEST**

<b><u>Company</u></b>	<b><u>Variety</u></b>
<b>Ag Alumni Seed</b> 702 State Rd28E Romney, IN 47981	AGExp05247
<b>AgriMaxx Wheat Company</b> 7167 Highbanks Road Mascoutah, IL 62258	AgriMAXX 413 AgriMAXX 415 AgriMAXX EXP1335 AgriMAXX EXP1340 AgriMAXX EXP1348
<b>AG South Genetics</b> P.O. Box 72246 Albany, GA 31708-2246	AGS 2035 AGS 2060 AGS 2056 AGS 2026 AGS 2038 AGS 2057
<b>Armor Seed</b> P.O. Box 178 Fisher, AR 72429	Armor Ricochet Armor Rampage ARX1107 ARX1204 ARX1206
<b>B &amp; S Seed Company, Inc.</b> 1283 HWY. 444 Duncan, MS 38740	Dixie Bell DB 412 Dixie Bell DB 620 Dixie Bell EXP 215 Dixie Bell EXP 7880 Dixie Bell EXP 128
<b>Cache River Valley Seed, LLC</b> P.O. Box 10 Cash, AR 72421	Dixie McAlister Dixie Kelsey Dixie Extreme Dixie EXEX13-1 Dixie EXEX13-2 Dixie EXEX13-3

**PARTICIPANTS AND ENTRIES, Continued.**

<u>Company</u>	<u>Variety</u>
<b>Croplan Genetics</b> P.O. Box 1351 Blytheville, AR 72315	Croplan Genetics 8302 Croplan Genetics 8925 Croplan Genetics 554W
<b>Delta Grow Seed</b> 220 NW 2nd Street England, AR 72046	Delta Grow 5000 Delta Grow 7000 Delta Grow 7200 Delta Grow 7300 Delta Grow 7500 Delta Grow 9700
<b>Dyna-Gro Seed</b> 6221 Riverside Dr. Suite One Dublin, OH 43017	Dyna-Gro 9012 Dyna-Gro 9223 Dyna-Gro 9171 Dyna-Gro Yorktown Dyna-Gro Baldwin
<b>Limagrain Cereal Seeds</b> 4846 E 450N Lafayette, IN 47905	LCS 34969 LCS 38686 LCS 38889
<b>Pioneer Hi-Bred Int'l, Inc.</b>  700 Boulevard South Ste. 302 Huntsville, AL 35802	Pioneer Variety 25R32 Pioneer Variety 26R10 Pioneer Variety 26R41 Pioneer Variety 26R20 Pioneer Variety 26R22 Pioneer Variety 26R87 Pioneer Variety 26R53 Pioneer Variety XW11G
<b>Progeny Ag Products</b> 1529 Hwy 192 South Wynne, AR 72396	Progeny 117 Progeny 125 Progeny 185 Progeny 357 Progeny 870 Progeny 308 Progeny PGX12-3 Progeny PGX12-10 Progeny PGX12-12

**PARTICIPANTS AND ENTRIES, Continued.**

<u>Company</u>	<u>Variety</u>
<b>Syngenta Seed</b> 778 CR 680 Bay, AR 72411	Syngenta Coker 9553 Syngenta Magnolia Syngenta Oakes Syngenta SY Harrison
<b>Taggart &amp; Taggart Seed Inc</b> 4877 Highway 64 E Augusta, AR 72006-5108	Taggart 496
<b>Terral Seed, Inc.</b> P.O. Box 826 Lake Providence, LA 71254	Terral TVX8535 Terral TVX8525 Terral TV8861 Terral TVX8848
<b>UniSouth Genetics, Inc.</b> 2640-C Nolensville Road Nashville, TN 37211	USG 3013 USG 3201 USG 3438 USG 3523 USG 3993 USG 3120 USG 3833 USG 3251

**Public Institutions**

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

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

**University of Arkansas**  
115 Plant Sciences Building  
Fayetteville, AR 72701

**VA Tech EVAREC**  
2229 Menokin Road  
Warsaw, VA 22572

**Variety**

LA01110D-150  
LA02015E201  
LA03200DE-2

GA-031257-10LE34  
GA-04570-10E46  
GA-031086-10E29

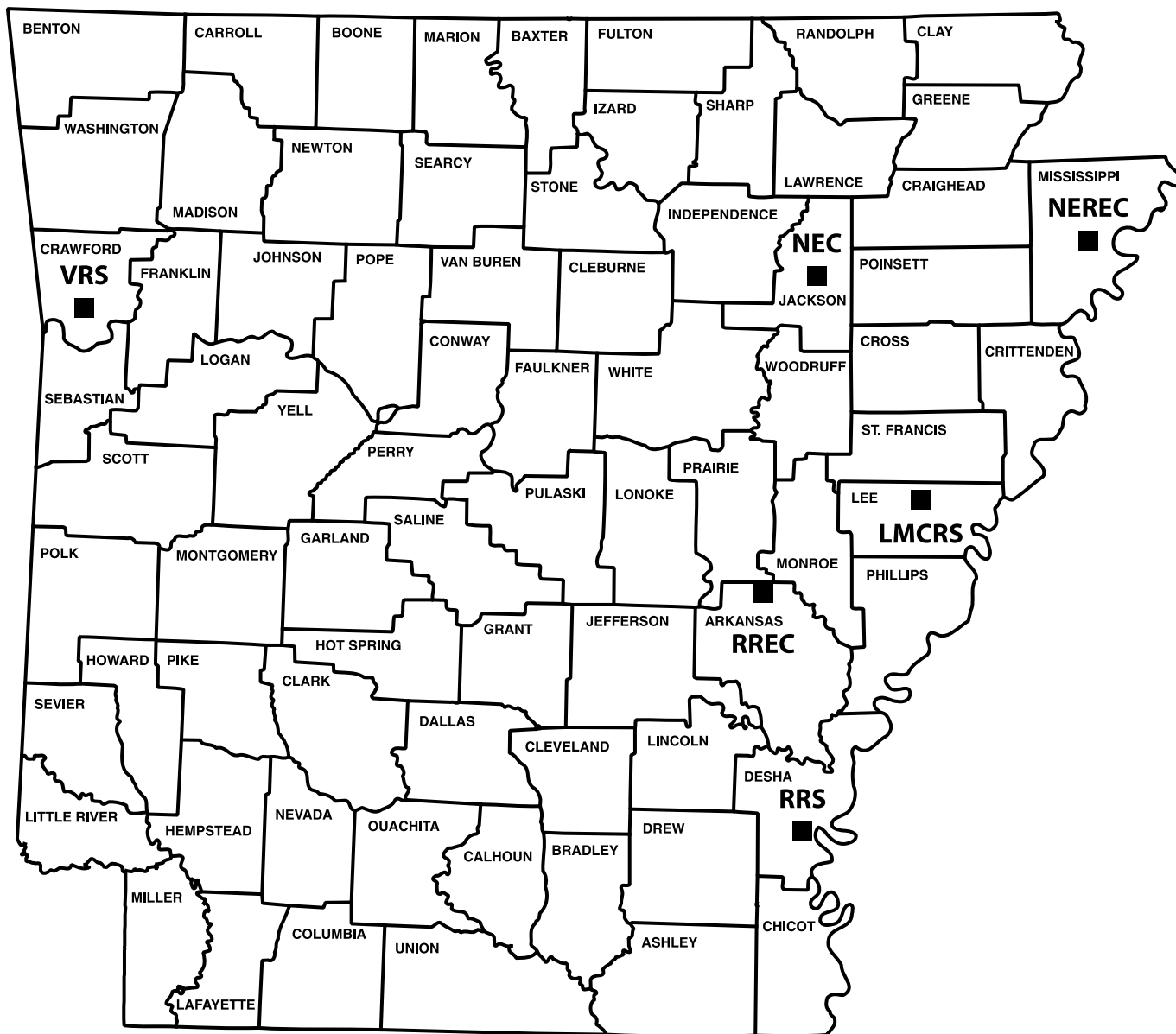
AR01040-4-1  
AR01167-3-1  
AR01209-2-1  
AR01179-4-1  
AR00343-5-1  
AR01163-3-1  
AR00255-16-1  
AR02061-1-1

Jamestown  
VA09W-75





# WHEAT TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna
- NEC** - Newport Extension Center, Newport
- NEREC** - Northeast Research and Extension Center, Keiser
- 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*