

*Performance  
of Small Grain  
Varieties for  
Grain in  
Alabama,  
2006-07*

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# THE 2007 ALABAMA PERFORMANCE COMPARISON OF SMALL GRAIN VARIETIES

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## INTRODUCTION

The large number of commercially available varieties of wheat, oat, rye, barley, and triticale makes it difficult for growers to select varieties most suited for their particular area of the State. Making this decision requires up-to-date, unbiased, reliable information on varietal yields and characteristics. This report is published annually to provide Alabama growers with this information.

Entries in each experiment are determined by the companies or institutes which control each variety or line, not by experiment station personnel. Data from tests conducted at eight locations were used to compile this report and they represent the varied growing conditions farmers experience around the State.

## PROCEDURE

The experimental design for the tests was a split plot design with species as the main plot and varieties as subplots. Plots were 5 feet by 20 feet with rows spaced 7 inches apart. A cone drill was used to plant all tests in the State. Each variety was replicated three times in each test.

The trials were divided into two management systems: grain only and forage only.

**Grain only:** These tests are normally planted during late October to early November, which is approximately one month later than the forage tests. Planting dates for all tests in 2006 are shown in Table 1. All tests were fertilized with P and K according to soil test, plus 20 pounds N per acre at planting. A top dressing of 60 pounds N per acre was made in late February or early March, just prior to jointing. The plots were not sprayed to control disease, so that the varieties could be rated for their inherent disease resistance. The grain was allowed to mature and was harvested with a plot combine, then cleaned and weighed. Moisture and bushel test weight were measured.

**Forage only:** These tests are normally planted in late September to early October. Tests were fertilized at planting with 100 pounds N per acre and clipped with a flail-type mower each time they reached 6 inches in height. A sample was weighed green from each plot, then dried and reweighed. The percent dry matter figure from these weights was used to calculate forage dry matter per acre. The test was top dressed in February with 60 pounds N per acre and clipping was continued until no regrowth occurred. This data is reported in Dept. Series No. 284, Performance of Small Grain Varieties for Forage in Alabama, 2006-06.

## DATA EXPLANATION

Grain yields were calculated by weighing air-dried grain and using 60 pounds per bushel for wheat, 32 pounds per bushel for oat, 48 pounds per bushel for barley, 50 pounds per bushel for triticale. Lodging was measured as the percent of plants in the stand broken or leaning that would likely be missed by a combine. Height was measured from the ground to the top of the grain head. The 1/10 headed date is the date when approximately 10 percent of a plot showed fully emerged heads.

Disease ratings for all 2006-2007 variety tests are summarized by region in Tables 13 - 20. Katherine B. Burch, Research Associate, Department of Entomology and Plant Pathology, rated disease at all locations. Due to damage from late season freezing temperatures, disease was not rated at Tennessee Valley Research and Extension Center. Disease onset on wheat was later than last year. At the time of mid-season ratings on wheat, incidence of Septoria leaf blotch was moderately lower across the state than in 2006. Incidence of leaf rust, stripe rust and powdery mildew was substantially lower. Powdery mildew was only found at Sand Mountain Research and Extension Center. Brewton Experiment Field was the only location where stripe rust was detected. On oats, disease was reduced from last year. Helminthosporium leaf spot was observed at low levels across the state. Crown rust was detected at low levels at two locations in the southern region. On triticale, low levels leaf blotch were detected at most locations and leaf rust was observed at Gulf Coast Research and Extension Center. On barley, spot blotch developed at low levels. Symptoms of the viral disease barley yellow dwarf were observed in most grain entries throughout the state at slightly higher levels than observed last year.

### **DISCUSSION**

Growing conditions and variety performance often vary among locations and years. In the 2006-07 growing season, some plantings were delayed due to dry soil conditions.

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**TABLE 1. LOCATION, PLANTING AND HARVESTING DATES FOR THE 2006-07 SMALL GRAIN TESTS**


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Location	Date planted	Date harvested
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### **Northern Alabama**

#### **Tennessee Valley Res. & Ext. Ctr. (Belle Mina)**

Small grain - forage only	October 12	
Small grain - grain only	October 31	not harvested

#### **Sand Mountain Res. & Ext. Ctr. (Crossville)**

Small grain - forage only	October 9	
Small grain - grain only	November 6	June 14

### **Central Alabama**

#### **Black Belt Res. & Ext. Ctr. (Marion Junction)**

Small grain - forage only	November 28	
Small grain - grain only	November 28	May 25

#### **E.V. Smith Res. Ctr., Plant Breeding Unit (Tallassee)**

Small grain - forage only	October 20	
Small grain - grain only	November 6	May 22

#### **Prattville Research Field (Prattville)**

Small grain - forage only	November 2	
Small grain - grain only	November 21	May 31

### **Southern Alabama**

#### **Wiregrass Res. & Ext. Ctr. (Headland)**

Small grain - forage only	October 25	
Small grain - grain only	December 6	June 5

#### **Brewton Research Field (Brewton)**

Small grain - forage only	October 26	
Small grain - grain only	November 6	June 1

#### **Gulf Coast Res. & Ext. Ctr. (Fairhope)**

Small grain - forage only	October 24	
Small grain - grain only	November 20	May 25

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**TABLE 2. NORTH ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE**

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**TABLE 3. TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER SMALL GRAIN VARIETY TRIAL, BELLE MINA.**

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No 2-yr and 3-yr regional average were calculated due to a mid-spring freeze that killed the wheat at the Tennessee Valley REC. Therefore 2006 data are not available for this location.

TABLE 4. SAND MOUNTAIN RESEARCH AND EXTENSION CENTER SMALL GRAIN VARIETY TRIAL, CROSSVILLE.

Brand-Variety	2007		2006-2007	2005-2007
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	-----	bu/acre	-----
<b>Wheat</b>				
USG 3209	62.0	63	66	83
Pioneer 26R24	63.3	74	77	82
SS 8404	64.5	75	74	81
SS 8308	64.7	75	71	79
Coker 9511	64.0	66	68	75
SS 520	62.0	55	62	72
SS MPV 57	61.4	70	67	71
GA Gore	62.8	58	62	69
SS 8302	62.2	58	64	68
USG 3295	63.5	79	80	.
Coker 9436	60.2	63	72	.
GA 951395-3A31	63.5	68	66	.
SS 8641	62.6	66	66	.
Pioneer 26R22	61.1	58	64	.
Coker 9553	62.0	57	61	.
Pioneer 26R87	63.1	52	59	.
VA 02W-555	61.1	68	.	.
USG 3592	63.3	67	.	.
MSU 1007R	62.3	63	.	.
Coker Panola	62.3	62	.	.
AGS 2060	63.6	57	.	.
GA 96693-4E16	62.5	55	.	.
GA 951231-4E26	62.3	43	.	.
GA 951231-4E25	61.7	39	.	.
<b>Oat</b>				
SS 76-40	36.5	104	113	.
Florida 501	38.3	74	93	.

*continued*



TABLE 4. CONTINUED

Brand-Variety	2007		2006-2007	2005-2007
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	----- bu/acre -----		
<b><i>Barley</i></b>				
Price	46.8	82	79	85
Thoroughbred	50.0	65	71	82
Doyce	60.5	84	76	80
Eve	61.2	66	67	.
<b><i>Triticale</i></b>				
Trical 314	48.3	36	62	84
RSI 342	52.0	43	66	83
<b><i>Test Mean</i></b>	.	64	71	78
<b><i>LSD(0.10)</i></b>	.	5	7	11
<b><i>C.V. (%)</i></b>	.	7	10	13

TABLE 5. CENTRAL ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

Brand-Variety	2007		2006-2007	2005-2007
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. †
<b>Wheat</b>				
GA Gore	58.8	67	68	62
GA 951395-3A31	58.2	79	79	.
VA 02W-555	56.4	82	.	.
GA 951231-4E26	58.0	77	.	.
GA 951231-4E25	58.3	69	.	.
AGS 2060	62.1	66	.	.
GA 96693-4E16	58.7	65	.	.
MSU 1007R	57.4	64	.	.
AGS 2010	59.1	58	.	.
<b>Oat</b>				
Florida 501	33.3	65	67	.
<b>Triticale</b>				
RSI 342	52.3	78	83	81
Trical 314	56.2	81	81	75
<b>Test Mean</b>	.	71	75	73
<b>LSD(0.10)</b>	.	20	14	15
<b>C.V. (%)</b>	.	26	17	19

† Data from Blackbelt REC not included because there was no test in 2005

TABLE 6. PRATTVILLE EXPERIMENT FIELD SMALL GRAIN VARIETY TRIAL, PRATTVILLE.

Brand-Variety	2007		2006-2007	2005-2007
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	-----	bu/acre	-----
<b><i>Wheat</i></b>				
GA Gore	60.5	47	64	53
GA 951395-3A31	59.0	42	68	.
GA 96693-4E16	59.1	71	.	.
GA 951231-4E26	58.4	64	.	.
VA 02W-555	55.9	57	.	.
GA 951231-4E25	60.0	56	.	.
AGS 2010	60.1	54	.	.
AGS 2060	62.6	50	.	.
MSU 1007R	58.6	40	.	.
<b><i>Oat</i></b>				
Florida 501	33.5	70	78	.
<b><i>Triticale</i></b>				
Trical 314	56.0	55	87	76
RSI 342	53.8	61	85	75
<b><i>Test Mean</i></b>	.	55	76	68
<b><i>LSD(0.10)</i></b>	.	6	13	11
<b><i>C.V. (%)</i></b>	.	10	16	15

TABLE 7. E.V. SMITH RESEARCH CENTER SMALL GRAIN VARIETY TRIAL, PLANT BREEDING UNIT, TALLASSEE.

Brand-Variety	2007		2006-2007	2005-2007
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
<b><i>Wheat</i></b>				
GA Gore	58.2	55	60	62
GA 951395-3A31	57.1	99	85	.
VA 02W-555	56.3	95	.	.
MSU 1007R	54.7	71	.	.
AGS 2060	61.8	65	.	.
GA 951231-4E26	57.6	61	.	.
GA 951231-4E25	57.5	58	.	.
AGS 2010	57.7	40	.	.
GA 96693-4E16	58.4	38	.	.
<b><i>Oat</i></b>				
Florida 501	.	16	47	.
<b><i>Triticale</i></b>				
RSI 342	50.2	88	91	97
Trical 314	58.7	92	87	81
<b><i>Test Mean</i></b>	.	65	74	80
<b><i>LSD(0.10)</i></b>	.	14	21	16
<b><i>C.V. (%)</i></b>	.	18	26	18

TABLE 8. BLACK BELT RESEARCH AND EXTENSION CENTER SMALL GRAIN VARIETY TRIAL, MARION JUNCTION.

Brand-Variety	2007		2006-2007	2005-2007
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. †
<b>Wheat</b>				
GA 951395-3A31	58.5	96	83	.
GA Gore	57.8	98	81	.
GA 951231-4E26	57.9	105	.	.
VA 02W-555	56.9	95	.	.
GA 951231-4E25	57.5	94	.	.
GA 96693-4E16	58.6	84	.	.
AGS 2060	61.9	84	.	.
MSU 1007R	58.8	81	.	.
AGS 2010	59.6	79	.	.
<b>Oat</b>				
Florida 501	33.8	110	76	.
<b>Triticale</b>				
RSI 342	52.9	85	72	.
Trical 314	54.0	95	70	.
<b>Test Mean</b>	.	92	76	.
<b>LSD(0.10)</b>	.	15	12	.
<b>C.V. (%)</b>	.	14	14	.

† Only two-year average available because there was no test in 2005

TABLE 9. SOUTH ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

Brand-Variety	2006		2005-2006	2005-2007
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	-----	bu/acre	-----
<b>Wheat</b>				
Pioneer 26R61	58.7	68	65	61
GA Gore	54.9	59	51	50
GA 951395-3A31	55.2	58	53	.
GA 96693-4E16	58.4	82	.	.
GA 951231-4E26	55.8	78	.	.
GA 951231-4E25	55.6	70	.	.
AGS 2010	58.1	66	.	.
VA 02W-555	53.5	62	.	.
Coker Panola	53.8	58	.	.
MSU 1007R	54.4	53	.	.
<b>Oat</b>				
Florida 501	31.9	85	75	.
FL 99201-D29-E1	32.0	116	.	.
FL 99212-D6	29.9	99	.	.
<b>Triticale</b>				
RSI 342	53.1	117	96	93
Trical 314	50.7	104	90	84
<b>Test Mean</b>	.	78	72	72
<b>LSD(0.10)</b>	.	15	12	12
<b>C.V. (%)</b>	.	18	15	16

TABLE 10. WIREGRASS RESEARCH AND EXTENSION CENTER SMALL GRAIN VARIETY TRIAL, HEADLAND.

Brand-Variety	2007		2006-2007	2005-2007
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
<b><i>Wheat</i></b>				
Pioneer 26R61	58.6	54	57	61
GA Gore	52.3	40	39	45
GA 951395-3A31	52.1	46	50	.
GA 96693-4E16	60.3	63	.	.
AGS 2010	56.7	53	.	.
GA 951231-4E26	54.4	49	.	.
GA 951231-4E25	53.5	42	.	.
MSU 1007R	55.5	40	.	.
VA 02W-555	51.2	36	.	.
Coker Panola	52.0	32	.	.
<b><i>Oat</i></b>				
Florida 501	29.7	57	47	54
FL 99212-D6	24.8	69	.	.
FL 99201-D29-E1	24.7	66	.	.
<b><i>Triticale</i></b>				
RSI 342	54.9	101	89	90
Trical 314	52.5	84	85	80
<b><i>Test Mean</i></b>	.	56	61	66
<b><i>LSD(0.10)</i></b>	.	10	11	10
<b><i>C.V. (%)</i></b>	.	15	16	15

TABLE 11. BREWTON EXPERIMENT FIELD SMALL GRAIN VARIETY TRIAL, BREWTON.

Brand-Variety	2007		2006-2007	2005-2007
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	-----	bu/acre	-----
<b>Wheat</b>				
Pioneer 26R61	58.5	69	65	58
GA Gore	55.1	73	59	53
GA 951395-3A31	56.0	68	55	.
GA 951231-4E26	55.6	108	.	.
GA 951231-4E25	56.3	95	.	.
GA 96693-4E16	56.9	94	.	.
VA 02W-555	52.8	84	.	.
AGS 2010	58.2	73	.	.
MSU 1007R	54.2	72	.	.
Coker Panola	53.3	71	.	.
<b>Oat</b>				
Florida 501	31.4	82	68	.
FL 99201-D29-E1	38.4	160	.	.
FL 99212-D6	31.3	116	.	.
<b>Triticale</b>				
RSI 342	52.0	139	105	101
Trical 314	48.4	108	89	89
<b>Test Mean</b>	.	94	74	75
<b>LSD(0.10)</b>	.	16	15	15
<b>C.V. (%)</b>	.	14	19	18



TABLE 12. GULF COAST RESEARCH AND EXTENSION CENTER SMALL GRAIN VARIETY TRIAL, FAIRHOPE.

Brand-Variety	2007		2006-2007	2005-2007
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg.
<b><i>Wheat</i></b>				
Pioneer 26R61	58.9	80	74	64
GA Gore	57.2	62	54	53
GA 951395-3A31	57.5	60	54	.
GA 96693-4E16	57.9	90	.	.
GA 951231-4E26	57.4	76	.	.
GA 951231-4E25	57.1	74	.	.
Coker Panola	56.2	71	.	.
AGS 2010	59.5	71	.	.
VA 02W-555	56.4	66	.	.
MSU 1007R	53.6	47	.	.
<b><i>Oat</i></b>				
Florida 501	34.7	115	111	.
FL 99201-D29-E1	32.8	121	.	.
FL 99212-D6	33.6	112	.	.
<b><i>Triticale</i></b>				
RSI 342	52.3	113	94	86
Trical 314	51.3	118	96	83
<b><i>Test Mean</i></b>	.	85	81	72
<b><i>LSD(0.10)</i></b>	.	11	6	13
<b><i>C.V. (%)</i></b>	.	11	6	16

TABLE 13. LEAF BLOTCH RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2006-2007<sup>1</sup>

Brand-variety	Northern Alabama*	Central Alabama	Southern Alabama
AGS 2000	-	-	-
AGS 2010	-	1.7	1.8
AGS 2060	0.7	2.1	-
Coker 9184	-	-	-
Coker 9436	1.0	-	-
Coker 9511	0.3	-	-
Coker 9553	0.7	-	-
Coker Panola	0.7	-	2.3
GA 951079-2E31	-	-	-
GA 951216-2E26	-	-	-
GA 951231-4E25	1.3	1.8	2.6
GA 951231-4E26	1.7	1.8	2.2
GA 951395-3A31	1.0	-	1.2
GA 951395-3E25	-	-	-
GA 96229-3A41	-	1.6	-
GA 96229-3E39	-	-	-
GA 96693-4E16	1.7	1.9	3.6
GA Gore	1.3	1.7	2.3
MSU 1007R	0.7	1.6	1.6
Pioneer 26R22	0.7	-	-
Pioneer 26R24	0.7	-	-
Pioneer 26R61	-	-	1.9
Pioneer 26R87	1.3	-	-
Pioneer XW04C	-	-	-
SS 520	1.3	-	-
SS 535	-	-	-
SS 8302	0.3	-	-
SS 8308	0.0	-	-
SS 8404	1.0	-	-
SS 8641	0.0	-	-
SS MPV 57	1.3	-	-
USG 3209	1.0	-	-
USG 3295	0.3	-	-
USG 3592	1.0	-	-
VA 02W-555	0.7	1.4	1.7

<sup>1</sup>0-10 scale: 0=no disease, 10 = severe disease.<sup>2</sup>The only northern location recorded is Sand Mountain REC.

TABLE 14. BARLEY YELLOW DWARF RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2006-2007<sup>1</sup>

Brand-variety	Northern Alabama <sup>2</sup>	Central Alabama	Southern Alabama
AGS 2000	-	-	-
AGS 2010	-	22.8	27.8
AGS 2060	46.7	38.0	-
Coker 9184	-	-	-
Coker 9436	30.0	-	-
Coker 9511	18.3	-	-
Coker 9553	46.7	-	-
Coker Panola	30.0		16.1
GA 951079-2E31	-	-	-
GA 951216-2E26	-	-	-
GA 951231-4E25	66.7	23.4	21.7
GA 951231-4E26	56.7	13.3	15.6
GA 951395-3A31	46.7	-	17.2
GA 951395-3E25	-	-	-
GA 96229-3A41	-	21.8	-
GA 96229-3E39	-	-	-
GA 96693-4E16	48.3	24.0	53.3
GA Gore	46.7	25.0	34.4
MSU 1007R	33.3	15.8	11.8
Pioneer 26R22	33.3	-	-
Pioneer 26R24	26.7	-	-
Pioneer 26R61	-	-	37.8
Pioneer 26R87	46.7	-	-
Pioneer XW04C	-	-	-
SS 520	53.3	-	-
SS 535	-	-	-
SS 8302	36.7	-	-
SS 8308	26.7	-	-
SS 8404	16.7	-	-
SS 8641	33.3	-	-
SS MPV 57	50.0	-	-
USG 3209	23.3	-	-
USG 3295	60.0	-	-
USG 3592	26.7	-	-
VA 02W-555	15.0	8.4	13.3

<sup>1</sup>Percent symptomatic plants.

<sup>2</sup>The only northern location recorded is Sand Mountain REC.

TABLE 15. LEAF RUST RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2006-2007<sup>1</sup>

Brand-variety	Northern Alabama*	Central Alabama	Southern Alabama
AGS 2000	-	-	-
AGS 2010	-	0.2	0.0
AGS 2060	0.0	0.0	-
Coker 9184	-	-	-
Coker 9436	0.0	-	-
Coker 9511	0.0	-	-
Coker 9553	0.0	-	-
Coker Panola	0.0		1.6
GA 951079-2E31	-	-	-
GA 951216-2E26	-	-	-
GA 951231-4E25	0.0	0.0	0.0
GA 951231-4E26	0.0	0.0	0.0
GA 951395-3A31	0.0	-	0.0
GA 951395-3E25	-	-	-
GA 96229-3A41	-	0.0	-
GA 96229-3E39	-	-	-
GA 96693-4E16	0.0	0.0	0.3
GA Gore	0.0	0.2	0.9
MSU 1007R	0.0	0.7	2.6
Pioneer 26R22	0.0	-	-
Pioneer 26R24	0.0	-	-
Pioneer 26R61	-	-	0.7
Pioneer 26R87	0.0	-	-
Pioneer XW04C	-	-	-
SS 520	0.0	-	-
SS 535	-	-	-
SS 8302	0.0	-	-
SS 8308	0.7	-	-
SS 8404	0.0	-	-
SS 8641	0.0	-	-
SS MPV 57	0.0	-	-
USG 3209	0.0	-	-
USG 3295	0.0	-	-
USG 3592	0.0	-	-
VA 02W-555	0.0	0.2	1.3

<sup>1</sup>0-10 scale: 0=no disease, 10 = severe disease.

<sup>2</sup>The only northern location recorded is Sand Mountain REC.

TABLE 16. POWDERY MILDEW RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2006-2007<sup>1</sup>

Brand-variety	Northern Alabama*	Central Alabama	Southern Alabama
AGS 2000	-	-	-
AGS 2010	-	0.0	0.0
AGS 2060	0.0	0.0	-
Coker 9184	-	-	-
Coker 9436	0.3	-	-
Coker 9511	0.3	-	-
Coker 9553	0.0	-	-
Coker Panola	0.7		1.6
GA 951079-2E31	-	-	-
GA 951216-2E26	-	-	-
GA 951231-4E25	0.0	0.0	0.0
GA 951231-4E26	0.0	0.0	0.0
GA 951395-3A31	0.0	-	0.0
GA 951395-3E25	-	-	-
GA 96229-3A41	-	0.0	-
GA 96229-3E39	-	-	-
GA 96693-4E16	0.0	0.0	0.3
GA Gore	0.0	0.0	0.9
MSU 1007R	0.0	0.0	2.6
Pioneer 26R22	0.0	-	-
Pioneer 26R24	0.0	-	-
Pioneer 26R61	-		0.7
Pioneer 26R87	0.0		
Pioneer XW04C	-	-	-
SS 520	0.0	-	-
SS 535	-	-	-
SS 8302	0.7	-	-
SS 8308	0.7	-	-
SS 8404	0.0	-	-
SS 8641	0.0		
SS MPV 57	0.0	-	-
USG 3209	0.0	-	-
USG 3295	0.0		
USG 3592	0.0	-	-
VA 02W-555	0.0	0.0	1.3

<sup>1</sup>0-10 scale: 0=no disease, 10 = severe disease.

<sup>2</sup>The only northern location recorded is Sand Mountain REC.

TABLE 17. STRIPE RUST RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2006-2007<sup>1</sup>

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
AGS 2000	0.0	-	-
AGS 2010	-	0.0	0.0
AGS 2060	0.0	0.0	-
Coker 9184	0.0	-	-
Coker 9436	0.0	-	-
Coker 9511	0.0	-	-
Coker 9553	0.0	-	-
Coker Panola	-	-	0.0
GA 951079-2E31	0.0	-	-
GA 951216-2E26	0.0	-	-
GA 951231-4E25	-	0.0	0.0
GA 951231-4E26	-	0.0	0.0
GA 951395-3A31	0.0	-	0.0
GA 951395-3E25	0.0	-	-
GA 96229-3A41	0.0	0.0	-
GA 96229-3E39	0.0	-	-
GA 96693-4E16	-	0.0	0.0
GA Gore	0.0	0.0	0.2
MSU 1007R	-	0.0	0.3
Pioneer 26R22	0.0	-	-
Pioneer 26R24	0.0	-	-
Pioneer 26R61	-	-	0.0
Pioneer 26R87		-	-
Pioneer XW04C	0.0	-	-
SS 520	0.0	-	-
SS 535	0.0	-	-
SS 8302	0.0	-	-
SS 8308	0.0	-	-
SS 8404	0.0	-	-
SS 8641		-	-
SS MPV 57	0.0	-	-
USG 3209	0.0	-	-
USG 3295		-	-
USG 3592	0.0	-	-
VA 02W-555	-	0.0	0.0

<sup>1</sup>0-10 scale: 0=no disease, 10 = severe disease.

<sup>2</sup>The only northern location recorded is Sand Mountain REC.

TABLE 18. DISEASE RATINGS FOR OAT VARIETIES IN ALABAMA, 2006-2007

Brand-variety	Helminthosporium leaf spot <sup>1</sup>	Crown rust <sup>1</sup>	Barley yellow dwarf <sup>2</sup>
<b>Northern Alabama</b>			
AR 0258-7	1.0	0.0	66.7
Florida 501	0.7	0.0	33.3
<b>Central Alabama</b>			
Florida 501	2.3	0.0	41.1
<b>Southern Alabama</b>			
FL 99201-D29-E1	1.6	0.0	18.9
FL 99212-D6	2.2	0.0	44.4
Florida 501	2.4	1.7	75.6

<sup>1</sup>0-10 scale: 0 = no disease, 10 = severe disease.

<sup>2</sup>Percent symptomatic plants.

TABLE 18. DISEASE RATINGS FOR TRITICALE VARIETIES IN ALABAMA, 2006-2007

Brand-variety	Leaf blotch <sup>1</sup>	Leaf rust <sup>1</sup>	Barley yellow dwarf <sup>2</sup>
<b>Northern Alabama</b>			
RSI 342	2.0	0.0	40.0
Trical 314	1.7	0.0	30.0
<b>Central Alabama</b>			
RSI 342	2.1	0.0	38.0
Trical 314	1.8	0.0	23.4
<b>Southern Alabama</b>			
RSI 342	4.1	1.1	52.2
Trical 314	4.3	0.0	56.7

<sup>1</sup>0-10 scale: 0 = no disease, 10 = severe disease

<sup>2</sup>Percent plants affected.

TABLE 18. DISEASE RATINGS FOR BARLEY VARIETIES IN NORTHERN ALABAMA, 2006-2007

Brand-variety	Spot blotch <sup>1</sup>	Net blotch <sup>1</sup>	Barley yellow dwarf <sup>2</sup>
Doyce	2.2	2.7	58.3
Price	1.0	2.3	39.2
Thoroughbred	1.7	3.2	25.0
VA 01H-68	2.2	2.0	41.7

<sup>1</sup>0-10 scale: 0 = no disease, 10 = severe disease.

<sup>2</sup>Percent plants affected.



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**SOURCES OF SEED**
**Wheat**

AGS 2010, AGS 2060	AGSouth Genetics Albany, Georgia
All Coker brand varieties	Syngenta Seeds, Inc. Bay, Arkansas
GA Gore	Alabama Crop Improvement Assn., Auburn, Alabama
GA 951395-3A31 *, GA 951231-4E16 * GA 951231-4E25 *, GA 951231-4E26 *	University of Georgia Griffin, Georgia
All Pioneer brand varieties	Pioneer Hi-Bred Interational Huntsville, Alabama
MSU 1007R	Michigan Crop Improvement Assn., Lansing, Michigan
SS-MPV-57, SS 520, SS 8308, SS 8302, SS 8404, SS 8641 (formerly GA 96229-3A41)	Southern States Coop. Richmond, Virginia
USG 3209, USG 3592, USG 3295 (formerly GA 951395-3E25)	UniSouth Genetics, Inc. Nashville, Tennessee
VA02W-555*	Virginia Crop Improvement Assn., Warsaw, Virginia

**Triticale**

Trical 314, Trical 342	Resource Seeds, Inc. Union, Kentucky
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*continued*

**Oat**

Fla. 501

Alabama Crop Improvement Assn.,  
Auburn, Alabama

FL 99212-D6\*, FL 99201-D29-E1\*

University of Florida  
Quincy, Florida

SS 76-40

Southern States Coop.  
Richmond, Virginia**Barley**

Doyce, Price, Thoroughbred,

Virginia Polytechnic Institute

Eve (formerly VA01H-68)

Blacksburg, Virginia

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\* Experimental line; not yet commercially available.