

*Performance
of Small Grain
Varieties for
Grain in
Alabama,
2007-08*

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THE 2008 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 2007 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. 293, Performance of Small Grain Varieties for Forage in Alabama, 2007-08.

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 2007-2008 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. Onset of leaf rust on wheat was earlier than last year. At the time of mid-season ratings on wheat, incidence of leaf rust was moderately higher across the state than in 2007. Stripe rust was observed at Prattville Experiment Field and at Tennessee Valley Research and Extension Center in low levels on susceptible cultivars. Incidence of Septoria leaf blotch and powdery mildew was observed at low levels similar to last year. Powdery mildew was only found at Sand Mountain Research and Extension Center. On oats, disease was reduced from last year. Helminthosporium leaf spot was observed at very low levels across the state. Crown rust was detected in the southern region at Brewton Experiment Field and Gulf Coast Research and Extension Center. On triticale, low levels leaf blotch were detected at most locations and leaf rust was observed on one variety in the southern and central regions. 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 lower levels than observed last year.

DISCUSSION

Growing conditions and variety performance often vary among locations and years. In the 2007-08 growing season, some plantings were delayed due to dry soil conditions.

TABLE 1. LOCATION, PLANTING AND HARVESTING DATES FOR THE 2007-08 SMALL GRAIN TESTS

Location	Date planted	Date harvested
<u>Northern Alabama</u>		
Tennessee Valley Res. & Ext. Ctr. (Belle Mina)		
Small grain - forage only	October 31	
Small grain - grain only	November 1	June 13
Sand Mountain Res. & Ext. Ctr. (Crossville)		
Small grain - forage only	October 30	
Small grain - grain only	November 1	June 9
<u>Central Alabama</u>		
Black Belt Res. & Ext. Ctr. (Marion Junction)		
Small grain - forage only	November 2	
Small grain - grain only	November 2	June 4
E.V. Smith Res. Ctr., Plant Breeding Unit (Tallassee)		
Small grain - forage only	October 30	
Small grain - grain only	October 31	June 3
Prattville Research Field (Prattville)		
Small grain - forage only	October 31	
Small grain - grain only	October 31	June 9
<u>Southern Alabama</u>		
Wiregrass Res. & Ext. Ctr. (Headland)		
Small grain - forage only	October 9	
Small grain - grain only	December 10	May 30
Brewton Research Field (Brewton)		
Small grain - forage only	October 8	
Small grain - grain only	December 5	June 4
Gulf Coast Res. & Ext. Ctr. (Fairhope)		
Small grain - forage only	October 11	
Small grain - grain only	December 3	May 30

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg.† bu/acre -----	Avg.‡ -----
<i>Wheat</i>				
SS 8404	57.2	61	71	67
Coker 9436	56.7	61	68	65
SS MPV 57	57.3	63	71	65
SS 8308	60.0	62	72	65
SS 520	57.3	70	71	64
SS 8641	58.8	65	71	64
USG 3209	57.7	60	67	63
SS 8302	56.6	59	65	63
Coker 9553	59.9	61	65	59
GA Gore	58.0	58	64	58
AGS 2060	60.3	67	70	.
Red Ruby	56.7	63	69	.
USG 3592	58.0	57	66	.
Progeny 117	57.0	69	.	.
Jamestown	59.5	65	.	.
Progeny 185	57.2	64	.	.
VA 01W-205	58.4	63	.	.
Coker D03*9804	58.0	63	.	.
USG 3665	57.7	63	.	.
Progeny 122	55.5	62	.	.
Progeny 145	57.1	59	.	.
Terral LA 841	56.4	58	.	.
Progeny 127	56.2	57	.	.
Baretta	57.4	57	.	.
Progeny 166	56.6	57	.	.
GA 02603CT-7	57.6	56	.	.
Magnolia	56.3	55	.	.

continued

TABLE 2. CONTINUED.

Brand-Variety	2008		2006+2008	2006-2008
	Test wt	Avg.	Avg.†	Avg.‡
	lbs/bu		bu/acre	
<i>Oat</i>				
SS 76-40	37.0	107	112	108
Florida 501	37.9	93	93	93
LA 99016SBSB-98	36.1	107	.	.
FL 99201-D29-E1	35.3	102	.	.
FL 99212-D6	36.3	100	.	.
LA 99011-45-S2	36.8	92	.	.
<i>Barley</i>				
Price	44.6	91	94	83
Thoroughbred	43.4	67	73	69
Eve	58.1	69	74	65
<i>Triticale</i>				
RSI 342	49.9	89	80	77
Trical 314	48.7	68	63	68
Trical 336	49.7	68	.	.
<i>Test Mean</i>	.	69	74	70
<i>LSD(0.10)</i>	.	8	9	9
<i>C.V. (%)</i>	.	11	11	12

† Averages based on SMS (2007, 2008) and TVS (2008) because of crop failure at TVS 2007.

‡ Averages based on SMS (2006-2008) and TVS (2006, 2008) because of crop failure at TVS 2007.

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

Brand-Variety	2008		2006+2008	2006-2008
	Test wt lbs/bu	Avg. ----- bu/acre -----	Avg.†	Avg.‡
<i>Wheat</i>				
SS 520	55.8	87	72	.
SS 8404	56.1	78	71	.
SS 8302	55.7	71	70	.
SS MPV 57	56.3	73	69	.
USG 3209	55.8	67	67	.
SS 8641	57.2	74	65	.
Coker 9436	53.6	72	65	.
SS 8308	57.3	71	64	.
Coker 9553	58.2	71	62	.
GA Gore	56.2	67	58	.
Progeny 117	55.6	83	.	.
AGS 2060	59.4	80	.	.
Jamestown	57.9	78	.	.
Progeny 185	55.4	76	.	.
Progeny 145	55.3	71	.	.
VA 01W-205	55.6	71	.	.
USG 3665	55.2	71	.	.
Coker D03*9804	56.1	70	.	.
Red Ruby	55.4	69	.	.
Terral LA 841	54.8	69	.	.
GA 02603CT-7	56.0	69	.	.
Progeny 166	54.5	68	.	.
Baretta	54.9	67	.	.
Progeny 122	55.2	66	.	.
Magnolia	54.3	66	.	.
USG 3592	55.5	62	.	.
Progeny 127	53.8	62	.	.

continued

TABLE 3. CONTINUED

Brand-Variety	2008		2006+2008	2006-2008
	Test wt	Avg.	Avg.†	Avg.‡
	lbs/bu	-----	bu/acre -----	-----
Oat				
LA 99016SBSB-98	36.8	130	123	.
SS 76-40	37.7	136	119	.
Florida 501	38.3	114	102	.
FL 99201-D29-E1	36.1	122	.	.
FL 99212-D6	36.9	122	.	.
LA 99011-45-S2	37.3	106	.	.
Barley				
Price	44.6	111	94	.
Thoroughbred	42.9	67	68	.
Eve	57.0	82	68	.
Triticale				
RSI 342	50.6	115	96	.
Trical 314	50.1	82	82	.
Trical 336	49.5	76	.	.
Test Mean	.	82	79	.
LSD(0.10)	.	9	11	.
C.V. (%)	.	10	12	.

† Averages based on 2006, 2008 because of crop failure at TVS 2007.

‡ No 3-yr averages available because of crop failure at TVS 2007.

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	----- bu/acre -----		
<i>Wheat</i>				
Coker 9436	59.7	51	57	65
SS 8308	62.7	53	64	65
SS 8404	58.3	43	59	64
SS 8641	60.3	56	61	63
SS MPV 57	58.3	53	62	62
USG 3209	59.5	52	58	61
SS 520	58.7	53	54	59
SS 8302	57.4	48	53	59
GA Gore	59.8	48	53	57
Coker 9553	61.5	50	54	57
Red Ruby	58.0	56	59	.
USG 3592	60.4	51	59	.
AGS 2060	61.1	54	56	.
Progeny 122	55.7	59	.	.
Coker D03*9804	59.8	56	.	.
VA 01W-205	61.1	56	.	.
USG 3665	60.2	55	.	.
Progeny 117	58.3	54	.	.
Progeny 185	59.0	53	.	.
Progeny 127	58.6	53	.	.
Jamestown	61.1	52	.	.
Terral LA 841	58.0	48	.	.
Progeny 145	58.8	47	.	.
Baretta	59.9	47	.	.
Progeny 166	58.6	45	.	.
GA 02603CT-7	59.1	44	.	.
Magnolia	58.3	44	.	.

continued

TABLE 4. CONTINUED

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg bu/acre -----	Avg
<i>Oat</i>				
SS 76-40	36.2	78	91	102
Florida 501	37.5	72	73	86
LA 99016SBSB-98	35.3	85	.	.
FL 99201-D29-E1	34.4	82	.	.
LA 99011-45-S2	36.2	79	.	.
FL 99212-D6	35.7	78	.	.
<i>Barley</i>				
Price	44.5	71	76	76
Thoroughbred	43.8	68	66	70
Eve	59.1	56	61	63
<i>Triticale</i>				
RSI 342	49.2	64	53	65
Trical 314	47.3	55	45	60
Trical 336	49.9	60	.	.
<i>Test Mean</i>	.	57	61	67
<i>LSD(0.10)</i>	.	5	7	7
<i>C.V. (%)</i>	.	8	11	10

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	-----	bu/acre	-----
<i>Wheat</i>				
GA Gore	56.5	77	72	71
AGS 2060	59.9	87	77	.
AGS 2020	58.1	82	73	.
Red Ruby	55.2	72	68	.
Jamestown	59.3	88	.	.
VA 01W-205	57.0	85	.	.
Coker D03*9804	56.2	83	.	.
Terral LA 841	55.7	80	.	.
Terral LA 482	55.8	78	.	.
GA 02603CT-7	55.7	64	.	.
<i>Oat</i>				
Florida 501	34.6	96	81	77
FL 99201-D29-E1	33.3	151	.	.
FL 99212-D6	33.8	131	.	.
LA 99016SBSB-98	34.5	128	.	.
LA 99011-45-S2	33.5	89	.	.
<i>Triticale</i>				
RSI 342	47.9	68	73	78
Trical 314	47.4	62	71	75
<i>Test Mean</i>	.	89	74	75
<i>LSD(0.10)</i>	.	17	14	12
<i>C.V. (%)</i>	.	18	19	15

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
Wheat				
GA Gore	58.3	72	59	66
AGS 2020	58.6	70	70	.
AGS 2060	61.7	81	66	.
Red Ruby	54.7	61	50	.
VA 01W-205	59.7	94	.	.
Jamestown	61.0	85	.	.
Terral LA 841	58.2	77	.	.
Coker D03*9804	58.1	72	.	.
Terral LA 482	57.8	69	.	.
GA 02603CT-7	54.6	53	.	.
Oat				
Florida 501	32.9	66	68	74
FL 99212-D6	35.8	112	.	.
FL 99201-D29-E1	33.2	90	.	.
LA 99011-45-S2	32.5	66	.	.
LA 99016SBSB-98	33.3	51	.	.
Triticale				
RSI 342	52.0	95	78	88
Trical 314	51.8	86	70	87
Test Mean	.	76	66	79
LSD(0.10)	.	15	11	10
C.V. (%)	.	17	16	12

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
<i>Wheat</i>				
GA Gore	57.7	94	75	71
AGS 2060	61.4	102	83	.
Red Ruby	56.2	87	79	.
AGS 2020	59.8	99	68	.
Coker D03*9804	57.0	112	.	.
Terral LA 841	56.3	100	.	.
Jamestown	59.7	96	.	.
VA 01W-205	57.0	89	.	.
Terral LA 482	57.1	85	.	.
GA 02603CT-7	57.9	72	.	.
<i>Oat</i>				
Florida 501	35.8	135	75	76
FL 99201-D29-E1	33.2	205	.	.
LA 99016SBSB-98	34.5	190	.	.
FL 99212-D6	31.7	180	.	.
LA 99011-45-S2	32.0	113	.	.
<i>Triticale</i>				
RSI 342	49.3	79	83	87
Trical 314	45.1	55	74	76
<i>Test Mean</i>	.	111	77	78
<i>LSD(0.10)</i>	.	11	16	13
<i>C.V. (%)</i>	.	8	19	15

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
<i>Wheat</i>				
GA Gore	53.5	64	81	75
AGS 2020	56.0	78	81	.
AGS 2060	56.6	77	80	.
Red Ruby	54.8	70	75	.
Jamestown	57.2	82	.	.
Terral LA 482	52.6	81	.	.
VA 01W-205	54.4	70	.	.
GA 02603CT-7	54.7	66	.	.
Coker D03*9804	53.4	66	.	.
Terral LA 841	52.7	63	.	.
<i>Oat</i>				
Florida 501	35.2	88	99	80
FL 99201-D29-E1	33.6	158	.	.
LA 99016SBSB-98	35.6	144	.	.
FL 99212-D6	33.9	108	.	.
LA 99011-45-S2	35.9	88	.	.
<i>Triticale</i>				
Trical 314	45.3	44	70	61
RSI 342	42.5	30	58	58
<i>Test Mean</i>	.	81	78	69
<i>LSD(0.10)</i>	.	13	15	13
<i>C.V. (%)</i>	.	13	17	18

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
Wheat				
GA Gore	55.6	43	51	48
AGS 2020	57.6	62	72	.
GA 951231-4E25	56.8	62	66	.
Terral LA 482	57.0	70	.	.
AGS 2060	59.4	66	.	.
Magnolia	56.6	64	.	.
Fleming	59.0	64	.	.
Terral LA 841	55.2	61	.	.
USG 3209	56.9	60	.	.
Jamestown	58.9	60	.	.
GA 02603CT-7	58.7	54	.	.
USG 3592	57.7	50	.	.
USG 3665	55.1	49	.	.
McIntosh	57.5	44	.	.
Coker 9553	56.6	42	.	.
VA 01W-205	56.0	29	.	.
Oat				
Florida 501	33.5	79	82	76
FL 99201-D29-E1	33.0	134	125	.
FL 99212-D6	32.8	105	102	.
LA 99016SBSB-98	35.1	119	.	.
Horizon 270	33.4	115	.	.
Horizon 474	36.1	103	.	.
LA 99011-45-S2	35.0	81	.	.
Triticale				
RSI 342	50.4	89	103	94
Trical 314	50.9	67	85	83
Test Mean	.	71	86	75
LSD(0.10)	.	12	16	14
C.V. (%)	.	16	17	17

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
Wheat				
GA Gore	58.9	50	45	42
AGS 2020	58.6	67	65	.
GA 951231-4E25	60.2	70	56	.
Terral LA 482	59.4	78	.	.
AGS 2060	60.7	77	.	.
Magnolia	58.3	74	.	.
Fleming	60.1	73	.	.
Jamestown	60.7	70	.	.
Terral LA 841	56.7	70	.	.
USG 3209	58.7	69	.	.
USG 3592	59.7	68	.	.
USG 3665	56.9	63	.	.
McIntosh	60.0	56	.	.
GA 02603CT-7	61.9	49	.	.
Coker 9553	58.8	44	.	.
VA 01W-205	58.4	23	.	.
Oat				
Florida 501	34.7	89	73	61
FL 99201-D29-E1	31.5	125	96	.
FL 99212-D6	32.5	105	87	.
Horizon 270	31.3	134	.	.
LA 99016SBSB-98	33.8	128	.	.
Horizon 474	34.9	111	.	.
LA 99011-45-S2	32.4	101	.	.
Triticale				
RSI 342	52.5	101	101	93
Trical 314	53.6	77	81	82
Test Mean	.	79	75	69
LSD(0.10)	.	13	12	14
C.V. (%)	.	14	14	19

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt lbs/bu	Avg. -----	Avg. bu/acre -----	Avg. -----
<i>Wheat</i>				
GA Gore	53.0	27	50	49
GA 951231-4E25	54.6	50	73	.
AGS 2020	56.5	49	71	.
Terral LA 482	55.0	53	.	.
Fleming	57.9	49	.	.
AGS 2060	57.9	49	.	.
USG 3209	56.4	48	.	.
Magnolia	55.3	47	.	.
Jamestown	56.2	41	.	.
GA 02603CT-7	56.4	39	.	.
Terral LA 841	54.1	39	.	.
USG 3665	54.0	36	.	.
Coker 9553	55.0	29	.	.
USG 3592	55.8	27	.	.
McIntosh	55.8	25	.	.
VA 01W-205	53.3	20	.	.
<i>Oat</i>				
Florida 501	34.5	61	72	66
FL 99201-D29-E1	32.3	122	141	.
FL 99212-D6	31.3	91	103	.
LA 99016SBSB-98	33.9	120	.	.
Horizon 474	36.3	86	.	.
Horizon 270	32.9	84	.	.
LA 99011-45-S2	35.7	62	.	.
<i>Triticale</i>				
RSI 342	50.4	85	112	98
Trical 314	49.6	49	78	76
<i>Test Mean</i>	.	55	88	72
<i>LSD(0.10)</i>	.	10	12	13
<i>C.V. (%)</i>	.	15	13	17

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

Brand-Variety	2008		2007-2008	2006-2008
	Test wt	Avg.	Avg.	Avg.
	lbs/bu	----- bu/acre -----		
<i>Wheat</i>				
GA Gore	54.9	50	56	53
AGS 2020	57.6	70	80	.
GA 951231-4E25	55.6	67	70	.
Terral LA 482	56.7	78	.	.
Terral LA 841	54.8	75	.	.
AGS 2060	59.6	74	.	.
GA 02603CT-7	57.9	73	.	.
Magnolia	56.1	72	.	.
Fleming	58.9	70	.	.
Jamestown	59.8	68	.	.
USG 3209	55.7	63	.	.
Coker 9553	56.1	54	.	.
USG 3592	57.5	53	.	.
McIntosh	56.8	53	.	.
USG 3665	54.3	49	.	.
VA 01W-205	56.4	46	.	.
<i>Oat</i>				
Florida 501	31.4	87	101	103
FL 99201-D29-E1	35.1	154	138	.
FL 99212-D6	34.6	119	116	.
Horizon 270	36.1	128	.	.
LA 99016SBSB-98	37.6	111	.	.
Horizon 474	37.2	111	.	.
LA 99011-45-S2	36.8	82	.	.
<i>Triticale</i>				
RSI 342	48.3	81	97	90
Trical 314	49.6	76	97	90
<i>Test Mean</i>	.	78	94	84
<i>LSD(0.10)</i>	.	12	18	8
<i>C.V. (%)</i>	.	13	18	9

TABLE 13. LEAF BLOTCH RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2007-2008[†]

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
AGS 2020	-	2.67	2.33
AGS 2060	1.67	1.78	1.78
Baretta	2.00	-	-
Coker 9436	1.33	-	-
Coker 9553	1.83	-	1.67
Coker D03*9804	1.67	1.22	-
Fleming	-	-	2.44
GA 02603CT-7	2.83	3.00	1.89
GA 951231-4E25	-	-	2.00
GA Gore	1.83	1.89	1.67
Jamestown	1.92	1.89	1.33
Magnolia	2.00	-	1.78
McIntosh	-	-	1.33
Progeny 117	1.67	-	-
Progeny 122	1.33	-	-
Progeny 127	1.25	-	-
Progeny 145	1.83	-	-
Progeny 166	2.17	-	-
Progeny 185	1.17	-	-
Red Ruby	1.50	1.89	-
SS 520	2.33	-	-
SS 8302	1.67	-	-
SS 8308	1.33	-	-
SS 8404	1.75	-	-
SS 8641	1.67	-	-
SS MPV 57	1.67	-	-
Terral LA 482	-	1.89	2.11
Terral LA 841	2.00	2.11	1.78
USG 3209	2.17	-	1.78
USG 3592	2.00	-	1.33
USG 3665	1.67	-	2.00
VA 01W-205	1.83	1.78	1.11

[†] 0-10 scale: 0 = no disease, 10 = severe disease.

TABLE 14. BARLEY YELLOW DWARF RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2007-2008[†]

Brand-variety	Northern	Central	Southern
	Alabama	Alabama	Alabama
AGS 2020	-	18.44	32.22
AGS 2060	33.33	17.89	20.11
Baretta	30.00	-	-
Coker 9436	20.00	-	-
Coker 9553	10.00	-	16.22
Coker D03*9804	27.50	3.57	-
Fleming	-	-	43.89
GA 02603CT-7	28.33	19.33	22.78
GA 951231-4E25	-	-	12.89
GA Gore	31.67	16.22	30.00
Jamestown	13.75	8.67	21.44
Magnolia	14.17	-	31.11
McIntosh	-	-	15.11
Progeny 117	38.33	-	-
Progeny 122	9.17	-	-
Progeny 127	18.33	-	-
Progeny 145	33.33	-	-
Progeny 166	19.17	-	-
Progeny 185	19.17	-	-
Red Ruby	5.83	1.36	-
SS 520	43.33	-	-
SS 8302	30.00	-	-
SS 8308	11.67	-	-
SS 8404	7.92	-	-
SS 8641	31.67	-	-
SS MPV 57	48.33	-	-
Terral LA 482	-	18.89	28.89
Terral LA 841	21.67	13.01	29.56
USG 3209	9.17	-	9.67
USG 3592	17.50	-	6.22
USG 3665	21.67	-	10.11
VA 01W-205	9.17	8.01	16.89

[†] Percent symptomatic plants

TABLE 15. LEAF RUST RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2007-2008[†]

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
AGS 2020	-	0.67	0.00
AGS 2060	0.00	0.00	0.22
Baretta	0.67	-	-
Coker 9436	0.33	-	-
Coker 9553	0.83	-	1.33
Coker D03*9804	1.00	2.11	-
Fleming	-	-	0.00
GA 02603CT-7	2.83	6.22	1.56
GA 951231-4E25	-	-	0.22
GA Gore	0.00	1.89	0.44
Jamestown	0.00	1.89	1.00
Magnolia	0.17	-	1.11
McIntosh	-	-	0.56
Progeny 117	0.33	-	-
Progeny 122	2.17	-	-
Progeny 127	1.50	-	-
Progeny 145	1.00	-	-
Progeny 166	1.00	-	-
Progeny 185	1.00	-	-
Red Ruby	1.50	3.22	-
SS 520	0.33	-	-
SS 8302	1.83	-	-
SS 8308	1.83	-	-
SS 8404	0.33	-	-
SS 8641	0.00	-	-
SS MPV 57	1.50	-	-
Terral LA 482	-	1.33	1.11
Terral LA 841	0.50	0.00	0.33
USG 3209	2.00	-	0.67
USG 3592	0.00	-	0.56
USG 3665	0.17	-	1.00
VA 01W-205	1.33	0.00	0.00

[†] 0-10 scale: 0 = no disease, 10 = severe disease.

TABLE 16. POWDERY MILDEW RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2007-2008[†]

Brand-variety	Northern	Central	Southern
	Alabama	Alabama	Alabama
AGS 2020	-	0.00	0.00
AGS 2060	0.83	0.33	0.00
Baretta	0.50	-	-
Coker 9436	0.00	-	-
Coker 9553	0.50	-	0.00
Coker D03*9804	1.00	0.00	-
Fleming	-	-	0.00
GA 02603CT-7	0.33	0.00	0.00
GA 951231-4E25	-	-	0.00
GA Gore	0.00	0.00	0.00
Jamestown	0.00	0.00	0.00
Magnolia	1.50	-	0.00
McIntosh	-	-	0.00
Progeny 117	1.33	-	-
Progeny 122	0.67	-	-
Progeny 127	0.75	-	-
Progeny 145	1.50	-	-
Progeny 166	2.67	-	-
Progeny 185	0.00	-	-
Red Ruby	0.50	0.00	-
SS 520	0.00	-	-
SS 8302	1.33	-	-
SS 8308	0.33	-	-
SS 8404	0.75	-	-
SS 8641	0.00	-	-
SS MPV 57	0.00	-	-
Terral LA 482	-	0.00	0.00
Terral LA 841	1.33	0.44	0.00
USG 3209	0.50	-	0.00
USG 3592	0.00	-	0.00
USG 3665	0.00	-	0.00
VA 01W-205	0.00	0.00	0.00

[†] 0-10 scale: 0 = no disease, 10 = severe disease.

TABLE 17. STRIPE RUST RATINGS FOR WHEAT VARIETIES IN ALABAMA, 2007-2008¹

Stripe rust ratings not taken during the 2007-2008 crop year.

TABLE 18. DISEASE RATINGS FOR OAT VARIETIES IN ALABAMA, 2007-2008

Brand-variety	Helminthosporium leaf spot [†]	Crown rust [†]	Barley yellow dwarf [‡]
Northern Alabama			
FL 99201-D29-E1	0.36	0.00	6.67
FL 99212-D6	0.51	0.00	9.17
Florida 501	0.68	0.00	15.83
LA 99011-45-S2	0.18	0.00	10.01
LA 99016SBSB-98	1.01	0.00	10.00
SS 76-40	1.01	0.00	0.02
Central Alabama			
FL 99201-D29-E1	0.79	0.00	7.01
FL 99212-D6	1.13	0.00	16.44
Florida 501	1.94	0.00	21.67
LA 99011-45-S2	0.61	0.00	19.44
LA 99016SBSB-98	1.62	0.00	3.02
Southern Alabama			
FL 99201-D29-E1	1.52	0.78	7.22
FL 99212-D6	0.41	1.11	10.00
Florida 501	1.12	2.56	12.78
LA 99011-45-S2	0.95	0.22	16.22
LA 99016SBSB-98	1.06	1.44	8.00

[†] 0-10 scale: 0 = no disease, 10 = severe disease.

[‡] Percent plants affected.

TABLE 19. DISEASE RATINGS FOR TRITICALE VARIETIES IN ALABAMA, 2007-2008

Brand-variety	Leaf blotch [†]	Leaf rust [†]	Barley yellow dwarf [‡]
Northern Alabama			
RSI 342	2.00	0.00	43.33
Trical 314	1.33	0.00	33.33
Trical 336	1.33	0.00	20.00
Central Alabama			
RSI 342	4.22	0.00	20.00
Trical 314	3.89	0.00	26.11
Southern Alabama			
RSI 342	3.33	0.00	32.78
Trical 314	3.44	0.00	44.44

[†] 0-10 scale: 0 = no disease, 10 = severe disease.

[‡] Percent plants affected.

TABLE 20. DISEASE RATINGS FOR BARLEY VARIETIES IN NORTHERN ALABAMA, 2007-2008

Brand-variety	Spot blotch [†]	Net blotch [†]	Barley yellow dwarf [‡]
Eve	1.33	2.83	78.33
Price	2.50	0.50	61.67
Thoroughbred	2.00	1.00	55.00

[†] 0-10 scale: 0 = no disease, 10 = severe disease.

[‡] Percent plants affected.

SOURCES OF SEED

Cultivar	Source
Wheat	
AGS 2020, AGS 2060 Fleming	Plantation Seed Conditioners Albany, Georgia
Coker brand varieties, Baretta, D03*9804, Magnolia	Syngenta Seeds, Inc. Bay, Arkansas
GA Gore	Alabama Crop Improvement Assn., Auburn, Alabama
GA 02603CT-7 *	University of Georgia Griffin, Georgia
Progeny brand varieties	Progeny Ag Products, Wynne, Arkansas
Red Ruby (formerly MSU 1007R)	Michigan Crop Improvement Assn., Lansing, Michigan
SS-MPV-57, SS 520, SS 8302, SS 8308, SS 8404, SS 8641	Southern States Coop. Richmond, Virginia
Terral LA 482, Terral LA 841	Terral Seed Lake Providence, Louisiana
USG 3209, USG 3592, USG 3295, USG 3665	UniSouth Genetics, Inc. Nashville, Tennessee
Vigoro McIntosh, GA951231-4E25*	Vigoro Seeds, Marysville, Ohio
VA01W-205*, Jamestown	Virginia Crop Improvement, Assn., Warsaw, Virginia

continued

Cultivar	Source
Triticale	
Trical 314, Trical 342, Trical 336	Resource Seeds, Inc. Union, Kentucky
Oat	
Fla. 501	Alabama crop Improvement Assn., Auburn, Alabama
FL 99212-D6*, FL 99201-D29-E1*	University of Florida Quincy, Florida
Horizon 270, Horizon 474	Plantation Seed Conditioners Albany, Georgia
LA 99011-45-S2*	Louisiana State University
LA 99016SBSB-98 *	Baton Rouge, Louisiana
SS 76-40	Southern States Coop. Richmond, Virginia
Barley	
Price, Thoroughbred, Eve	Alabama Crop Improvement Assn., Auburn, Alabama

* Experimental line; not yet commercially available.