



The 1995
ALABAMA
PERFORMANCE
OF
Small Grain
Varieties

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Information contained herein is available to all persons regardless of race, color, sex, or national origin.

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THE 1995 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 11 locations were used to compile this report and they represent the varied growing conditions farmers have 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.

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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 1992 and 1993 tests were at normal times. Planting dates for all tests in 1994 are shown in table 1. Tests in Southern Alabama were split into regular and late planting dates because small grains with very low vernalization requirements should be planted after November 25. All tests were fertilized with P and K according to soil test plus 20 pounds N per acre at planting with a topdressing of 60 pounds N per acre 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. The grain was cleaned and weighed. Moisture and bushel test weight were measured.

Forage only: The tests in 1992, 1993, and 1994 were all planted at normal times in late September to early October. Tests were fertilized at planting with 100 pounds N per acre and clipped, using 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 dry forage matter per acre. The test was topdressed in February with 60 pounds N per acre and clipping was continued until no regrowth occurred.

DATA EXPLANATION

Grain yields were calculated by weighing air-dried grain and using 60 pounds per bushel for wheat, 32 pounds per bushel for oats, 48 pounds per bushel for barley, and 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 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 the 1994-95 growing season are given in tables 17 through 24, and are summarized by region. Dan Collins, Assistant Professor of Plant Pathology, and Katherine Burch, Research Technician, made the disease ratings at each location. Most ratings were taken when the majority of varieties were in the soft dough stage of maturity. Collins reported that with few exceptions, diseases incidence and severity were higher at all locations than in 1994. On wheat, leaf rust, Septoria blotch, and powdery mildew occurred at moderate levels in most tests. However, it disease reactions differed among varieties at each location. Barley yellow dwarf, a viral disease, was prevalent throughout northern and central locations in the state, however, was not detected in the southern locations. In addition to the regular variety trials on substations and experiment fields, one test was conducted in Autauga county in a farmer's field known to be infested with the infected vector of soilborne wheat mosaic virus (SBWMV). Results of the visual ratings for SBWMV are given in table 21. On oats, Helminthosporium leaf spot and Septoria blotch occurred throughout the state. Incidence of crown rust was moderate to severe at the southern locations while light to moderate in the central locations. It was not detected on oats at the northern locations. Barley yellow dwarf was prevalent only in the northern and central locations. On triticale, moderate levels of leaf rust and Septoria blotch were seen on entries at most locations. On barley, low levels of stripe, net blotch, and Septoria blotch developed in most tests.

DISCUSSION

Growing conditions and variety performance often vary among locations and years. Regional averages and multiple-year averages are given here to use as a better

indicator for performance comparison. In the 1992-93 growing season, the snow and freezing temperatures in mid-March caused injury to the early maturing varieties. The late maturing varieties vernalized and produced well. Some lodging occurred due to the heavy snowfall. Bird damage was moderate in oats and wheat at most locations and severe on oats at Fairhope. In 1993-94, weather conditions were favorable and production was generally good throughout the state. Bird damage was moderate in oats at most southern locations. In the 1994-95 growing season, a mild winter may have affected vernalization in some varieties. Bird damage was moderate to severe in oats at most central and southern locations.

TABLE 1. LOCATION, PLANTING AND HARVEST DATES FOR 1994-95 SMALL GRAIN TESTS

Location	Date planted	Date harvested
NORTHERN ALABAMA		
Tennessee Valley Substation (Belle Mina)		
Small grain forage only	September 28	
Small grain grain only	October 25	June 14
Sand Mountain Substation (Crossville)		
Small grain forage only	October 18	
Small grain grain only	October 18	June 9
Upper Coastal Plain Substation (Winfield)		
Small grain forage only	October 31	
Small grain grain only	October 31	June 16
CENTRAL ALABAMA		
Black Belt Substation (Marion Junction)		
Small grain forage only	September 21	
Small grain grain only	October 31	June 7
E.V. Smith Res. Ctr., Plant Breeding Unit (Tallassee)		
Small grain forage only	October 6	
Small grain grain only	November 1	May 18 & May 22
Prattville Experiment Field (Prattville)		
Small grain forage only	September 27	
Small grain grain only	November 4	May 29
SOUTHERN ALABAMA		
Brewton Experiment Field (Brewton)		
Small grain forage only	September 28	
Small grain grain only	October 27	June 6
Small grain grain only late	December 9	June 7
Gulf Coast Substation (Fairhope)		
Small grain forage only	October 19	
Small grain grain only	November 7	May 5 & May 15
Small grain grain only late	December 14	May 23
Monroeville Experiment Field (Monroeville)		
Small grain forage only	September 29	
Small grain grain only	October 27	May 26
Small grain grain only late	December 9	June 5
Lower Coastal Plain Substation (Camden)		
Small grain forage only	September 27	
Small grain grain only	October 25	June 9 & June 10
Small grain grain only late	December 15	June 7 & June 8
Wiregrass Substation (Headland)		
Small grain forage only	October 7	
Small grain grain only	November 3	June 14
Small grain grain only late	December 21	June 14

TABLE 2. CHARACTERISTICS OF SMALL GRAINS TESTED IN NORTHERN ALABAMA, 3-YEAR SUMMARY

Brand-variety	Average Yield/Acre			Average Yield/Acre			1995 Average			
	Grain Only			Forage Only			Lodging Height	1/10	Test Wt.	
	1995	2-Yr.	3-Yr.	1995	2-Yr.	3-Yr.				Pct.
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.				
Wheat										
Pioneer 2580.....	43	60	56	-	-	-	11	29	4-11	55.5
Pioneer 2684.....	41	60	56	-	-	-	2	31	4-10	57.4
Northrup King Coker 9543.....	46	58	55	-	-	-	2	29	4-12	56.1
Northrup King 9803.....	39	56	54	-	-	-	3	30	4-11	57.7
Clemson 201.....	45	58	54	-	-	-	2	32	4- 7	55.4
Pioneer 2566.....	39	58	53	-	-	-	2	30	4-15	54.7
GA GORE.....	39	57	52	-	-	-	6	32	4- 9	56.7
Wakefield.....	33	55	51	2,015	2,277	2,546	2	32	4-14	54.4
GA ANDY.....	34	52	51	-	-	-	2	33	4- 3	54.9
Florida 302.....	30	52	50	1,977	2,519	2,696	9	31	4-11	53.3
Madison.....	34	54	49	1,848	2,311	2,456	2	31	4- 8	54.1
Terral 101.....	31	50	48	-	-	-	2	31	4-15	53.1
Saluda.....	31	46	47	1,804	2,435	2,569	12	28	4-13	54.3
Pioneer 2643.....	50	64	-	-	-	-	2	29	4-10	57.0
GA Morey.....	45	-	-	2,174	-	-	1	31	4- 3	54.5
Pioneer XW 631.....	43	-	-	-	-	-	2	29	4- 3	54.4
GA Stuckey.....	41	-	-	2,409	-	-	2	30	4- 5	54.3
Pioneer 2628.....	40	57	-	-	-	-	2	31	4-13	56.8
Florida 304.....	39	-	-	2,579	2,813	2,907	2	34	4-12	56.6
AgriPro Shiloh.....	39	-	-	-	-	-	7	30	4-16	55.4
Jackson.....	37	57	-	2,123	2,715	-	2	32	4-13	55.3
GA Dozier.....	34	-	-	1,940	-	-	2	30	4-14	56.6
AgriPro Hickory.....	34	-	-	-	-	-	2	34	4-10	56.1
Hazen.....	32	-	-	1,802	-	-	11	29	4-16	53.1
GA Combo.....	23	-	-	-	-	-	2	32	4-14	54.9
Stacy.....	-	-	-	2,270	2,670	-	-	-	-	-
Test Mean.....	38	56	52	2,086	2,534	2,635	4	31	-	55.3
L.S.D. (.10).....	12	10	10	407	363	448	-	-	-	-
C.V. (%).....	24	14	14	14	11	13	-	-	-	-
Oats										
Simpson.....	33	78	78	1,464	2,275	2,615	19	32	4-19	30.2
Ga Mitchell.....	32	69	71	-	-	-	3	31	4-13	31.2
Northrup King Coker 716.....	31	69	69	-	-	-	13	32	4-18	31.1
Ozark.....	33	70	69	1,527	2,201	2,403	7	32	4-18	33.6
FL 874-S1-G3.....	36	-	-	1,932	-	-	9	31	4- 8	30.9
FL 874-E55.....	34	-	-	1,579	-	-	8	28	4-12	28.3
Florida 502.....	20	-	-	1,333	1,915	2,117	10	28	4- 5	30.5
Florida 501.....	17	-	-	1,336	2,030	2,308	37	31	4- 9	31.9
Citation.....	-	-	-	1,592	2,154	2,417	-	-	-	-
Iapar 61.....	-	-	-	1,913	-	-	-	-	-	-
Test Mean.....	29	72	72	1,584	2,115	2,372	13	31	-	31.0
L.S.D. (.10).....	8	14	13	596	489	516	-	-	-	-
C.V. (%).....	19	14	13	27	17	16	-	-	-	-
Barley										
Wysor.....	56	71	64	2,257	2,763	3,130	5	31	4- 8	43.1
Nomini.....	48	70	63	2,296	2,674	2,896	2	30	4- 7	39.6
Callao.....	63	-	-	-	-	-	8	27	4- 2	42.4
GA 81814.....	60	-	-	-	-	-	2	31	4- 2	42.9
Pamunkey.....	54	70	-	2,706	3,048	-	13	29	4- 3	42.4
Starling.....	46	69	-	2,174	2,678	2,893	2	31	4-10	42.1
Test Mean.....	54	70	64	2,358	2,791	2,973	5	30	-	42.1
L.S.D. (.10).....	25	22	18	551	448	514	-	-	-	-
C.V. (%).....	33	23	21	17	12	13	-	-	-	-
Rye										
Bonel.....	-	-	-	3,025	3,389	3,662	-	-	-	-
AFC 20-20.....	-	-	-	3,545	3,445	3,586	-	-	-	-

Continued

TABLE 2. CHARACTERISTICS OF SMALL GRAINS TESTED IN NORTHERN ALABAMA, 3-YEAR SUMMARY
Continued

Brand-variety	Average Yield/Acre			Average Yield/Acre			1995 Average			
	Grain Only			Forage Only			Lodging Height	1/10	Test Wt.	
	1995	2-Yr.	3-Yr.	1995	2-Yr.	3-Yr.				
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.	Pct.	In.	Date	Lb./Bu.
Wintergrazer 70.....	-	-	-	3,389	3,441	3,549	-	-	-	-
Wren's Abruzzi AL.....	-	-	-	3,167	3,196	3,469	-	-	-	-
Florida 401.....	-	-	-	2,948	2,810	3,277	-	-	-	-
Oklon.....	-	-	-	3,854	-	-	-	-	-	-
GA WACL-7.....	-	-	-	3,534	-	-	-	-	-	-
NF 73.....	-	-	-	3,514	3,515	-	-	-	-	-
AFC 20-30.....	-	-	-	3,350	-	-	-	-	-	-
Maton.....	-	-	-	2,975	-	-	-	-	-	-
Test Mean.....	-	-	-	3,330	3,299	3,509	-	-	-	-
L.S.D. (.10).....	-	-	-	653	506	537	-	-	-	-
C.V. (%).....	-	-	-	14	11	11	-	-	-	-
Triticale										
Sunland.....	57	68	59	2,511	-	-	2	33	4- 2	52.4
Trical 498.....	58	-	-	-	-	-	1	33	4- 1	48.8
Trical 2700.....	-	-	-	2,717	-	-	-	-	-	-
Test Mean.....	57	68	59	2,614	-	-	1	33	-	50.6
L.S.D. (.10).....	11	-	-	438	-	-	-	-	-	-
C.V. (%).....	12	-	-	11	-	-	-	-	-	-

TABLE 3. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre		
	1995	Test Wt.	3-Yr. Av.	1995	3-Yr. Av.	
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Wheat						
Pioneer 2643.....	55	56.5	-	-	-	-
Pioneer XW 631.....	52	53.8	-	-	-	-
GA Morey.....	47	54.1	-	1,689	-	-
Northrup King Coker 9543.....	46	52.7	61	-	-	-
Pioneer 2628.....	45	56.6	-	-	-	-
Pioneer 2580.....	42	55.2	64	-	-	-
Florida 304.....	42	55.2	-	2,928	3,063	-
Northrup King 9803.....	42	57.0	62	-	-	-
Clemson 201.....	42	56.1	59	-	-	-
Pioneer 2566.....	41	53.3	65	-	-	-
GA Stuckey.....	37	54.4	-	2,739	-	-
GA ANDY.....	36	53.4	59	-	-	-
GA GORE.....	36	56.1	61	-	-	-
GA Dozier.....	35	56.7	-	2,611	-	-
Jackson.....	35	55.3	-	2,410	-	-
Madison.....	34	52.6	57	2,264	2,508	-
Pioneer 2684.....	34	55.9	63	-	-	-
Saluda.....	31	52.3	49	2,214	2,572	-
AgriPro Shiloh.....	29	54.4	-	-	-	-
Hazen.....	26	52.8	-	2,500	-	-
AgriPro Hickory.....	26	56.0	-	-	-	-
Terral 101.....	22	52.7	50	-	-	-
Wakefield.....	22	53.1	52	2,680	2,939	-
Florida 302.....	22	49.8	52	2,064	2,844	-
GA Combo.....	19	53.1	-	-	-	-
Stacy.....	-	-	-	2,680	-	-
Test Mean.....	36	54.4	58	2,434	2,785	-
L.S.D. (.10).....	12	-	10	320	508	-
C.V. (%).....	24	-	12	9	13	-

TABLE 3. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1995

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1995 Test Wt.		3-Yr. Av.	1995	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Oats					
FL 874-S1-G3	54	33.0	-	2,165	-
Simpson	47	31.1	89	2,022	2,974
Ozark	43	31.7	81	2,571	2,881
FL 874-E55	41	27.8	-	1,792	-
Northrup King Coker 716	40	32.4	77	-	-
Ga Mitchell	38	31.9	80	-	-
Florida 502	18	32.7	-	1,449	2,224
Florida 501	18	30.6	-	1,048	2,250
Citation	-	-	-	1,995	2,519
<u>Iapar 61</u>	-	-	-	1,388	-
Test Mean	38	31.4	81	1,804	2,570
L.S.D. (.10)	12	-	18	352	343
C.V. (%)	22	-	16	14	10
Barley					
GA 81814	86	52.8	-	-	-
Pamunkey	77	42.3	-	3,867	-
Callao	76	40.3	-	-	-
Wysor	70	43.9	82	3,230	3,574
Starling	56	42.8	-	3,079	3,304
<u>Nomini</u>	48	31.9	74	3,138	3,315
Test Mean	69	42.3	78	3,328	3,398
L.S.D. (.10)	24	-	17	383	522
C.V. (%)	23	-	16	7	11
Rye					
Oklon	-	-	-	5,140	-
GA WACL-7	-	-	-	4,981	-
AFC 20-30	-	-	-	4,860	-
NF 73	-	-	-	4,620	-
AFC 20-20	-	-	-	4,541	3,932
Wintergrazer 70	-	-	-	4,492	4,024
Maton	-	-	-	4,483	-
Wren's Abruzzi AL	-	-	-	4,465	4,033
Bonel	-	-	-	4,404	4,155
<u>Florida 401</u>	-	-	-	3,202	3,571
Test Mean	-	-	-	4,519	3,943
L.S.D. (.10)	-	-	-	469	573
C.V. (%)	-	-	-	7	11
Triticale					
Sunland	80	53.1	78	2,167	-
Trical 498	55	49.7	-	-	-
<u>Trical 2700</u>	-	-	-	3,958	-
Test Mean	67	51.4	78	3,063	-
L.S.D. (.10)	16	-	-	491	-
C.V. (%)	10	-	-	7	-

TABLE 4. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1995	Test Wt.	3-Yr. Av.	1995	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat					
Pioneer 2643	44	59.8	-	-	-
Pioneer 2580	42	57.6	52	-	-
AgriPro Hickory	41	57.2	-	-	-
GA GORE	40	58.4	50	-	-
Jackson	39	57.7	-	2,446	-
Northrup King 9803	39	59.2	50	-	-
Pioneer XW 631	38	56.2	-	-	-
Pioneer 2684	38	60.2	51	-	-
Clemson 201	38	56.7	47	-	-
Northrup King Coker 9543	38	59.4	48	-	-
Pioneer 2566	37	57.1	47	-	-
GA Stuckey	36	56.6	-	2,104	-
Florida 304	35	58.7	-	2,558	2,410
Madison	35	56.1	48	1,481	2,009
Florida 302	35	56.0	48	2,001	2,192
Pioneer 2628	34	58.3	-	-	-
AgriPro Shiloh	34	57.5	-	-	-
GA Morey	33	55.9	-	2,849	-
GA ANDY	32	57.2	45	-	-
GA Dozier	31	57.7	-	1,728	-
Terral 101	31	54.6	45	-	-
Wakefield	31	56.4	47	1,623	2,260
Hazen	30	54.9	-	1,549	-
Saluda	29	56.0	45	1,469	1,952
GA Combo	23	57.3	-	-	-
Stacy	-	-	-	2,252	-
Test Mean	35	57.3	48	2,005	2,165
L.S.D. (.10)	5	-	5	408	348
C.V. (%)	10	-	8	14	12
Oats					
Ozark	51	35.4	77	532	1,341
FL 874-S1-G3	47	34.1	-	1,099	-
Simpson	45	32.4	88	691	1,645
Northrup King Coker 716	45	32.8	75	-	-
Ga Mitchell	45	35.1	78	-	-
FL 874-E55	43	31.5	-	919	-
Florida 502	37	34.6	-	728	1,272
Florida 501	31	33.2	-	1,074	1,744
Citation	-	-	-	852	1,603
Test Mean	43	33.6	80	842	1,521
L.S.D. (.10)	7	-	10	425	274
C.V. (%)	12	-	9	35	13
Barley					
Callao	57	44.6	-	-	-
GA 81814	55	39.4	-	-	-
Wysor	54	43.9	65	1,850	2,502
Pamunkey	54	43.8	-	2,191	-
Nomini	45	44.1	66	1,723	2,261
Starling	38	43.6	-	1,791	2,303
Test Mean	51	43.2	66	1,889	2,355
L.S.D. (.10)	11	-	9	217	278
C.V. (%)	14	-	9	7	8
Rye					
NF 73	-	-	-	3,373	-
Oklon	-	-	-	3,332	-
AFC 20-20	-	-	-	3,188	2,949
Wintergrazer 70	-	-	-	3,089	3,094

TABLE 4. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1995

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1995	Test Wt.	3-Yr. Av.	1995	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
AFC 20-30	-	-	-	3,062	-
GA WACL-7	-	-	-	2,871	-
Wren's Abruzzi AL	-	-	-	2,864	2,982
Florida 401	-	-	-	2,832	2,830
Maton	-	-	-	2,613	-
Bonel	-	-	-	2,442	3,239
Test Mean	-	-	-	2,967	3,019
L.S.D. (.10)	-	-	-	497	388
C.V. (%)	-	-	-	12	9
Triticale					
Trical 498	47	48.7	-	-	-
Sunland	42	52.9	49	2,619	-
Trical 2700	-	-	-	2,451	-
Test Mean	44	50.8	49	2,535	-
L.S.D. (.10)	6	-	-	579	-
C.V. (%)	6	-	-	10	-

TABLE 5. PERFORMANCE OF SMALL GRAINS AT WINFIELD, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1995	Test Wt.	3-Yr. Av. ¹	1995	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat					
Clemson 201	57	53.3	-	-	-
AgriPro Shiloh	54	54.2	-	-	-
GA Morey	54	53.5	-	1,984	-
Northrup King Coker 9543	53	56.1	46	-	-
Pioneer 2643	52	54.7	-	-	-
GA Stuckey	51	51.9	-	2,383	-
Pioneer 2684	50	56.1	-	-	-
Pioneer 2580	46	53.8	-	-	-
Wakefield	46	53.7	43	1,742	-
Pioneer 2628	41	55.5	-	-	-
Hazen	41	51.5	-	1,358	-
Florida 304	40	55.8	-	2,252	3,246
GA GORE	40	55.6	33	-	-
Pioneer XW 631	39	53.2	-	-	-
Terral 101	39	51.9	39	-	-
Pioneer 2566	37	53.8	-	-	-
Jackson	37	52.9	-	1,514	-
Northrup King 9803	37	56.9	-	-	-
GA Dozier	35	55.5	-	1,481	-
Madison	35	53.6	29	1,799	2,851
Saluda	34	54.7	43	1,728	3,184
AgriPro Hickory	34	55.2	-	-	-
Florida 302	34	54.0	39	1,866	3,051
GA ANDY	34	54.1	-	-	-
GA Combo	26	54.3	-	-	-
Stacy	-	-	-	1,877	-
Test Mean	42	54.2	39	1,817	3,083
L.S.D. (.10)	17	-	13	512	488
C.V. (%)	30	-	24	20	12

Continued

TABLE 5. PERFORMANCE OF SMALL GRAINS AT WINFIELD, ALABAMA, 1995

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1995	Test Wt.	3-Yr. Av. ¹	1995	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Oats					
FL 874-E55	17	25.7	-	2,026	-
Ga Mitchell	13	26.5	46	-	-
FL 874-S1-G3	9	25.7	-	2,531	-
Northrup King Coker 716	7	28.0	46	-	-
Simpson	6	27.2	41	1,680	3,227
Ozark	6	-	-	1,479	2,988
Florida 501	3	-	-	1,885	2,928
Florida 502	3	24.2	-	1,824	2,855
Iapar 61	-	-	-	2,437	-
<u>Citation</u>	-	-	-	1,929	3,128
Test Mean	8	26.2	44	1,974	3,025
L.S.D. (.10)	4	-	8	914	787
C.V. (%)	31	-	12	32	19
Barley					
Callao	56	42.2	-	-	-
Nomini	51	42.9	30	2,026	3,113
Wysor	44	41.4	25	1,690	3,315
Starling	43	40.0	-	1,650	3,073
GA 81814	38	36.6	-	-	-
<u>Pamunkey</u>	30	41.0	-	2,061	-
Test Mean	44	40.7	28	1,857	3,167
L.S.D. (.10)	38	-	24	976	701
C.V. (%)	59	-	61	33	16
Rye					
Oklon	-	-	-	3,090	-
AFC 20-20	-	-	-	2,906	3,878
Florida 401	-	-	-	2,812	3,430
GA WACL-7	-	-	-	2,748	-
Wintergrazer 70	-	-	-	2,585	3,531
NF 73	-	-	-	2,548	-
Bonel	-	-	-	2,229	3,593
Wren's Abruzzi AL	-	-	-	2,173	3,391
AFC 20-30	-	-	-	2,129	-
<u>Maton</u>	-	-	-	1,830	-
Test Mean	-	-	-	2,505	3,565
L.S.D. (.10)	-	-	-	952	643
C.V. (%)	-	-	-	27	13
Triticale					
Trical 498	71	47.9	-	-	-
Sunland	51	51.3	32	2,747	-
<u>Trical 2700</u>	-	-	-	1,742	-
Test Mean	61	49.6	32	2,244	-
L.S.D. (.10)	22	-	-	850	-
C.V. (%)	15	-	-	16	-

¹Grain only 3-yr. av. based on 1992, 1993, and 1995 yields.

TABLE 6. CHARACTERISTICS OF SMALL GRAINS TESTED IN CENTRAL ALABAMA, 3-YEAR SUMMARY

Brand-variety	Average Yield/Acre			Average Yield/Acre			1995 Average			Test Wt. Lb./Bu.
	Grain Only			Forage Only			Lodging Height Pct.	In.	1/10 Date	
	1995	2-Yr.	3-Yr.	1995	2-Yr.	3-Yr.				
Bu.	Bu.	Bu.	Lb.	Lb.	Lb.			Headed		
<i>Wheat</i>										
Pioneer 2566.....	48	59	57	-	-	-	1	33	4-10	-
Clemson 201.....	56	61	53	-	-	-	0	35	3-26	-
Madison.....	45	57	52	3,674	3,481	3,370	0	34	4- 2	-
Wakefield.....	40	55	50	3,838	3,632	3,627	0	36	4-11	-
Florida 304.....	42	54	49	3,687	3,675	3,974	0	36	4- 6	-
GA GORE.....	47	56	49	-	-	-	8	34	4- 4	-
GA ANDY.....	43	54	48	-	-	-	1	35	3-23	-
Florida 302.....	41	53	47	3,701	3,601	3,585	10	36	4- 6	-
Saluda.....	27	46	44	4,063	3,792	4,022	1	29	4-10	-
Pioneer 2643.....	57	64	-	-	-	-	0	30	4- 5	-
GA Morey.....	55	-	-	3,643	-	-	0	34	3-25	-
Pioneer XW 631.....	55	-	-	-	-	-	0	31	3-28	-
Northrup King Coker 9835.....	49	-	-	-	-	-	0	31	4- 1	-
GA Dozier.....	47	-	-	4,182	-	-	0	33	4-10	-
GA Stuckey.....	46	-	-	4,053	-	-	20	32	3-29	-
AgriPro Hickory.....	45	-	-	-	-	-	6	35	4- 4	-
Jackson.....	44	57	-	3,833	3,677	-	0	34	4-10	-
Pioneer 2628.....	44	56	-	-	-	-	0	33	4- 7	-
AgriPro 91D-2308.....	44	-	-	-	-	-	0	32	3-31	-
AgriPro Shiloh.....	39	-	-	-	-	-	0	32	4-12	-
Hazen.....	33	-	-	3,685	-	-	0	31	4-12	-
GA Combo.....	27	-	-	-	-	-	6	33	4-12	-
Stacy.....	-	-	-	3,789	3,630	-	-	-	-	-
Test Mean.....	44	56	50	3,832	3,641	3,716	2	33	-	-
L.S.D. (.10).....	6	7	8	509	481	667	-	-	-	-
C.V. (%).....	10	9	12	10	10	13	-	-	-	-
<i>Oats</i>										
Citation.....	60	79	81	3,713	3,730	4,058	33	40	4-10	-
Simpson.....	42	70	80	3,032	3,458	3,603	6	38	4-15	-
Ga Mitchell.....	58	77	77	-	-	-	0	34	4- 7	-
Ozark.....	49	74	75	3,204	3,351	3,687	1	39	4-14	-
Florida 501.....	48	66	56	3,481	3,517	3,682	32	38	4- 3	-
Florida 502.....	54	69	54	3,774	3,577	3,692	10	37	4- 1	-
FL 874-E55.....	76	-	-	3,459	-	-	1	35	4- 7	-
FL 874-S1-G3.....	73	-	-	3,834	-	-	7	40	4- 1	-
Iapar 61.....	-	-	-	2,713	-	-	-	-	-	-
Test Mean.....	57	72	70	3,401	3,526	3,744	11	38	-	-
L.S.D. (.10).....	13	13	14	565	620	563	-	-	-	-
C.V. (%).....	17	13	14	12	13	11	-	-	-	-
<i>Rye</i>										
Wren's Abruzzi AL.....	-	-	-	4,450	4,446	5,077	-	-	-	-
Bonel.....	-	-	-	4,341	4,043	4,977	-	-	-	-
Wintergrazer 70.....	-	-	-	4,518	4,282	4,925	-	-	-	-
Florida 401.....	-	-	-	4,047	4,013	4,777	-	-	-	-
Maton.....	-	-	-	4,547	-	-	-	-	-	-
NF 73.....	-	-	-	4,530	4,243	-	-	-	-	-
GA WACL-7.....	-	-	-	4,503	-	-	-	-	-	-
Oklon.....	-	-	-	4,400	-	-	-	-	-	-
GI 87.....	-	-	-	4,345	4,105	-	-	-	-	-
Gurley Grazer 2000.....	-	-	-	4,195	-	-	-	-	-	-
Test Mean.....	-	-	-	4,388	4,189	4,939	-	-	-	-
L.S.D. (.10).....	-	-	-	563	611	670	-	-	-	-
C.V. (%).....	-	-	-	9	11	10	-	-	-	-
<i>Triticale</i>										
Sunland.....	55	58	55	3,893	-	-	0	35	3-16	-
Trical 498.....	65	-	-	-	-	-	0	38	3-19	-
Trical 2700.....	-	-	-	3,854	-	-	-	-	-	-
Test Mean.....	60	58	55	3,874	-	-	0	37	-	-
L.S.D. (.10).....	8	-	-	678	-	-	-	-	-	-
C.V. (%).....	8	-	-	11	-	-	-	-	-	-

TABLE 7. PERFORMANCE OF SMALL GRAINS AT MARION JUNCTION, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1995 Test Wt.		3-Yr. Av. ¹	1995	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat					
Northrup King Coker 9835....	36	53.2	-	-	-
GA Dozier.....	33	54.4	-	3,205	-
Clemson 201.....	32	53.2	-	-	-
Pioneer 2643.....	32	54.2	-	-	-
AgriPro Shiloh.....	31	54.2	-	-	-
Madison.....	31	53.4	-	2,854	3,044
Florida 302.....	31	52.2	42	3,312	3,498
Pioneer 2566.....	31	54.0	-	-	-
GA Morey.....	31	53.0	-	2,731	-
AgriPro Hickory.....	30	55.2	-	-	-
Pioneer 2628.....	30	54.2	-	-	-
Pioneer XW 631.....	29	54.2	-	-	-
GA Stuckey.....	29	52.8	-	3,138	-
GA ANDY.....	29	54.5	37	-	-
Wakefield.....	29	52.6	46	3,043	3,211
GA GORE.....	28	55.0	45	-	-
AgriPro 91D-2308.....	28	54.2	-	-	-
Florida 304.....	28	54.6	45	3,033	3,564
Jackson.....	25	52.0	-	2,880	-
Saluda.....	25	52.0	45	3,418	3,378
Hazen.....	23	52.0	-	2,829	-
GA Combo.....	19	53.8	-	-	-
Stacy.....	-	-	-	3,221	-
Test Mean.....	29	53.6	43	3,060	3,339
L.S.D. (.10).....	6	-	9	600	575
C.V. (%).....	15	-	15	14	13
Oats					
FL 874-S1-G3.....	60	30.4	-	3,313	-
FL 874-E55.....	52	27.4	-	3,077	-
Citation.....	49	29.4	68	3,321	3,915
Ozark.....	43	30.2	-	2,578	3,572
Simpson.....	40	27.2	80	2,709	3,351
Florida 502.....	36	28.4	62	3,668	3,846
Ga Mitchell.....	33	28.4	64	-	-
Florida 501.....	27	26.4	51	3,037	3,532
Japar 61.....	-	-	-	1,708	-
Test Mean.....	42	28.5	65	2,926	3,643
L.S.D. (.10).....	9	-	10	372	364
C.V. (%).....	15	-	11	9	7
Rye					
Wren's Abruzzi AL.....	-	-	-	3,274	4,355
Wintergrazer 70.....	-	-	-	3,074	3,655
Oklon.....	-	-	-	2,935	-
NF 73.....	-	-	-	2,815	-
Florida 401.....	-	-	-	2,783	4,406
GI 87.....	-	-	-	2,769	-
GA WACL-7.....	-	-	-	2,752	-
Maton.....	-	-	-	2,708	-
Gurley Grazer 2000.....	-	-	-	2,639	-
Bonel.....	-	-	-	2,597	3,679
Test Mean.....	-	-	-	2,835	4,024
L.S.D. (.10).....	-	-	-	530	516
C.V. (%).....	-	-	-	13	9
Triticale					
Trical 498.....	43	26.6	-	-	-
Sunland.....	26	49.8	36	3,348	-
Trical 2700.....	-	-	-	2,820	-
Test Mean.....	35	38.2	36	3,084	-
L.S.D. (.10).....	15	-	-	528	-
C.V. (%).....	19	-	-	7	-

¹Grain only 3-yr. Av. Based on 1992, 1994 and 1995 yields

TABLE 8. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1995 Test Wt.		3-Yr. Av.	1995	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<i>Wheat</i>					
Pioneer 2643.....	72	53.6	-	-	-
Pioneer XW 631.....	70	55.2	-	-	-
Clemson 201.....	68	54.7	57	-	-
GA Morey.....	65	52.3	-	4,680	-
AgriPro Hickory.....	59	54.5	-	-	-
Pioneer 2566.....	59	53.8	60	-	-
Pioneer 2628.....	56	54.5	-	-	-
Northrup King					
Coker 9835.....	56	54.3	-	-	-
GA Dozier.....	56	54.8	-	5,637	-
GA GORE.....	55	53.7	53	-	-
GA Stuckey.....	53	53.2	-	5,551	-
Jackson.....	51	53.5	-	5,397	-
GA ANDY.....	51	54.0	53	-	-
Madison.....	51	53.6	53	5,008	3,584
Florida 304.....	50	53.9	51	4,920	3,689
AgriPro 91D-2308.....	48	54.9	-	-	-
AgriPro Shiloh.....	45	53.4	-	-	-
Hazen.....	39	53.2	-	5,066	-
Florida 302.....	39	48.7	47	4,897	3,661
Wakefield.....	37	52.8	49	5,222	3,832
GA Combo.....	31	53.8	-	-	-
Saluda.....	26	53.1	46	5,227	4,009
Stacy.....	-	-	-	4,856	-
Test Mean.....	52	53.6	52	5,133	3,755
L.S.D. (.10).....	6	-	7	541	466
C.V. (%).....	8	-	10	7	9
<i>Oats</i>					
FL 874-E55.....	96	30.4	-	4,933	-
FL 874-S1-G3.....	84	32.7	-	5,334	-
Ga Mitchell.....	73	32.7	87	-	-
Florida 502.....	70	33.8	73	5,011	4,030
Citation.....	68	30.5	87	5,098	4,358
Simpson.....	66	31.6	84	4,394	4,634
Florida 501.....	60	30.7	72	4,268	3,787
Ozark.....	51	30.3	81	4,399	4,302
Iapar 61.....	-	-	-	3,730	-
Test Mean.....	71	31.6	81	4,646	4,222
L.S.D. (.10).....	5	-	16	347	589
C.V. (%).....	15	-	15	5	10
<i>Rye</i>					
Wintergrazer 70.....	-	-	-	5,981	4,771
Maton.....	-	-	-	5,895	-
NF 73.....	-	-	-	5,848	-
GI 87.....	-	-	-	5,727	-
Bonel.....	-	-	-	5,677	4,495
GA WACL-7.....	-	-	-	5,644	-
Oklon.....	-	-	-	5,632	-
Wren's Abruzzi AL.....	-	-	-	5,445	4,469
Florida 401.....	-	-	-	5,321	4,222
Gurley Grazer 2000.....	-	-	-	5,319	-
Test Mean.....	-	-	-	5,649	4,489
L.S.D. (.10).....	-	-	-	623	523
C.V. (%).....	-	-	-	8	9
<i>Triticale</i>					
Trical 498.....	73	46.3	-	-	-
Sunland.....	63	51.3	57	4,904	-
Trical 2700.....	-	-	-	5,383	-
Test Mean.....	68	48.8	57	5,144	-
L.S.D. (.10).....	7	-	-	1,040	-
C.V. (%).....	6	-	-	8	-

TABLE 9. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre		
	1995	Test Wt.	3-Yr. Av.	1995	3-Yr. Av.	
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Wheat						
GA Morey.....	69	53.9	-	3,518	-	
Clemson 201.....	69	55.5	61	-	-	
Pioneer 2643.....	68	55.8	-	-	-	
Pioneer XW 631.....	65	56.5	-	-	-	
GA GORE.....	58	53.8	56	-	-	
GA Stuckey.....	56	49.9	-	3,471	-	
Jackson.....	56	53.5	-	3,222	-	
AgriPro 91D-2308.....	55	56.0	-	-	-	
Wakefield.....	55	52.1	61	3,249	3,837	
Madison.....	54	55.7	59	3,160	3,482	
Northrup King Coker 9835.....	54	54.1	-	-	-	
GA Dozier.....	54	52.2	-	3,705	-	
Pioneer 2566.....	53	55.7	66	-	-	
Florida 302.....	53	53.2	58	2,893	3,596	
GA ANDY.....	49	53.9	52	-	-	
Florida 304.....	47	56.2	56	3,109	4,669	
AgriPro Hickory.....	47	53.5	-	-	-	
Pioneer 2628.....	45	55.2	-	-	-	
AgriPro Shiloh.....	42	53.6	-	-	-	
Hazen.....	38	50.9	-	3,159	-	
GA Combo.....	30	54.9	-	-	-	
Saluda.....	29	54.1	50	3,544	4,679	
Stacy.....	-	-	-	3,291	-	
Test Mean.....	52	54.1	58	3,302	4,052	
L.S.D. (.10).....	6	-	11	420	902	
C.V. (%).....	9	-	14	9	16	
Oats						
FL 874-E55.....	81	26.5	-	2,369	-	
FL 874-S1-G3.....	75	28.4	-	2,855	-	
Ga Mitchell.....	67	28.7	89	-	-	
Citation.....	64	29.4	99	2,719	3,900	
Florida 501.....	56	27.4	58	3,137	3,728	
Florida 502.....	56	28.6	47	2,643	3,199	
Ozark.....	51	28.6	86	2,635	3,188	
Simpson.....	21	26.7	84	1,992	2,824	
Iapar 61.....	-	-	-	2,702	-	
Test Mean.....	59	28.0	77	2,632	3,368	
L.S.D. (.10).....	15	-	14	889	709	
C.V. (%).....	18	-	13	23	15	
Rye						
GA WACL-7.....	-	-	-	5,115	-	
Maton.....	-	-	-	5,040	-	
NF 73.....	-	-	-	4,926	-	
Bonel.....	-	-	-	4,749	6,757	
Oklon.....	-	-	-	4,634	-	
Wren's Abruzzi AL.....	-	-	-	4,631	6,408	
Gurley Grazer 2000.....	-	-	-	4,628	-	
GI 87.....	-	-	-	4,540	-	
Wintergrazer 70.....	-	-	-	4,499	6,350	
Florida 401.....	-	-	-	4,038	5,703	
Test Mean.....	-	-	-	4,680	6,305	
L.S.D. (.10).....	-	-	-	592	917	
C.V. (%).....	-	-	-	9	11	
Triticale						
Trical 498.....	79	46.6	-	-	-	
Sunland.....	75	49.5	65	3,428	-	
Trical 2700.....	-	-	-	3,359	-	
Test Mean.....	77	48.1	65	3,393	-	
L.S.D. (.10).....	12	-	-	1,323	-	
C.V. (%).....	7	-	-	16	-	

TABLE 10. CHARACTERISTICS OF SMALL GRAINS TESTED IN REGULAR PLANTING IN SOUTHERN ALABAMA, 3-YEAR SUMMARY

Brand-variety	Average Yield/Acre			Average Yield/Acre			1995 Average			
	Grain Only			Forage Only			Lodging Height	1/10	Test Wt.	
	1995	2-Yr.	3-Yr.	1995	2-Yr.	3-Yr.				Headed
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.	Pct.	In.	Date	Lb./Bu.
Wheat										
Northrup King Coker 9134.....	27	43	44	-	-	-	32	34	4- 4	52.3
Pioneer 2566.....	29	45	44	-	-	-	9	32	4- 5	51.4
GA GORE.....	33	44	41	-	-	-	19	34	3-30	52.8
Wakefield.....	22	43	40	4,171	4,559	4,458	21	34	4- 5	49.1
Madison.....	28	45	37	4,223	4,427	4,283	12	34	3-24	50.6
Florida 304.....	26	44	36	4,802	4,885	4,925	17	34	3-28	49.9
Florida 302.....	19	40	34	4,281	4,469	4,397	31	33	3-29	46.0
Saluda.....	12	36	31	4,172	4,729	4,581	40	29	4- 5	47.9
GA ANDY.....	22	37	29	-	-	-	9	32	3- 8	49.0
Pioneer 2643.....	40	54	-	-	-	-	8	31	3-30	52.2
Pioneer XW 631.....	37	-	-	-	-	-	9	33	3-20	50.0
GA Stuckey.....	35	-	-	5,295	-	-	36	33	3-20	49.4
GA Morey.....	30	-	-	4,333	-	-	2	33	3-11	47.4
AgriPro 91D-2308.....	30	-	-	-	-	-	9	33	3-21	51.1
Northrup King Coker 9835.....	27	-	-	-	-	-	21	30	3-26	49.2
GA Dozier.....	24	-	-	5,045	-	-	7	31	4- 6	49.9
Jackson.....	22	41	-	4,107	4,648	-	46	33	4- 5	49.8
Pioneer 2628.....	19	42	-	-	-	-	28	31	4- 1	47.8
Hazen.....	10	-	-	4,250	-	-	37	28	4- 8	44.8
GA Combo.....	9	-	-	-	-	-	22	31	4- 6	50.0
Stacy.....	-	-	-	4,415	4,722	-	-	-	-	-
Test Mean.....	25	43	37	4,463	4,634	4,529	21	32	-	49.5
L.S.D. (.10).....	7	8	7	770	755	709	-	-	-	-
C.V. (%).....	20	14	14	13	12	12	-	-	-	-
Oats										
Ga Mitchell.....	16	61	59	-	-	-	56	32	3-27	29.7
Citation.....	7	45	45	4,773	4,877	5,009	93	34	4- 3	27.4
Florida 502.....	14	36	35	4,664	4,878	4,781	59	39	3-17	29.9
Florida 501.....	9	34	31	4,230	4,713	4,680	86	37	3-21	26.7
FL 874-E55.....	17	-	-	4,908	-	-	29	37	3-27	26.8
FL 874-S1-G3.....	14	-	-	4,862	-	-	56	43	3-22	29.7
Ozark.....	8	-	-	4,057	4,722	4,728	84	32	4- 5	26.6
Simpson.....	-	-	-	3,654	4,777	4,799	-	-	-	-
Japar 61.....	-	-	-	3,836	-	-	-	-	-	-
Test Mean.....	12	44	42	4,373	4,793	4,799	66	36	-	28.1
L.S.D. (.10).....	6	12	12	813	902	939	-	-	-	-
C.V. (%).....	39	20	21	14	14	14	-	-	-	-
Rye										
Wintergrazer 70.....	-	-	-	6,022	5,938	6,002	-	-	-	-
Dossco Grazer III.....	-	-	-	5,515	5,695	5,841	-	-	-	-
Bonel.....	-	-	-	5,559	5,694	5, 838	-	-	-	-
Wren's Abruzzi AL.....	-	-	-	5,979	5,627	5,770	-	-	-	-
Florida 401.....	-	-	-	4,954	4,999	5,045	-	-	-	-
NF 73.....	-	-	-	6,035	5,944	-	-	-	-	-
Gurley Grazer 2000.....	-	-	-	5,922	6,041	-	-	-	-	-
Oklon.....	-	-	-	5,863	-	-	-	-	-	-
Maton.....	-	-	-	5,775	-	-	-	-	-	-
GA WACL-7.....	-	-	-	5,768	-	-	-	-	-	-
GI 87.....	-	-	-	5,752	-	-	-	-	-	-
Test Mean.....	-	-	-	5,740	5,705	5,699	-	-	-	-
L.S.D. (.10).....	-	-	-	1,183	965	976	-	-	-	-
C.V. (%).....	-	-	-	15	13	13	-	-	-	-
Triticale										
Sunland.....	30	49	39	4,563	-	-	22	37	2-27	44.0
Trical 498.....	34	-	-	-	-	-	21	38	3- 1	38.6
Trical 2700.....	-	-	-	4,645	-	-	-	-	-	-
Test Mean.....	32	49	39	4,604	-	-	22	37	-	41.3
L.S.D. (.10).....	4	-	-	1,192	-	-	-	-	-	-
C.V. (%).....	8	-	-	17	-	-	-	-	-	-

TABLE 11. CHARACTERISTICS OF SMALL GRAINS TESTED IN LATE PLANTING IN SOUTHERN ALABAMA, 3-YEAR SUMMARY

Brand-variety	Average Yield/Acre			1995 Average			
	Grain Only			Lodging Pct.	Height In.	1/10 Headed Date	Test Wt. Lb./Bu.
	Late 1995	Planting 2-Yr.	Planting 3-Yr.				
	Bu.	Bu.	Bu.	Pct.	In.	Date	Lb./Bu.
Wheat							
GA ANDY	35	46	46	9	34	4-1	47.4
GA GORE	26	39	41	21	32	4-11	49.6
Florida 304.....	23	36	40	36	32	4-10	50.0
Florida 302.....	10	29	32	45	29	4-14	42.4
Saluda.....	9	26	24	19	28	4-13	47.1
Test Mean.....	21	35	36	26	31	4-10	47.3
L.S.D. (.10).....	7	6	6	-	-	-	-
C.V. (%).....	26	13	13	-	-	-	-
Oats							
Ga Mitchell.....	34	67	68	53	33	4-12	28.7
Citation.....	23	54	57	89	35	4-12	23.9
Florida 502.....	32	58	56	34	36	4-5	29.2
Florida 501.....	28	51	48	77	36	4-7	25.3
Test Mean.....	29	58	57	63	35	4-9	26.8
L.S.D. (.10).....	17	15	14	-	-	-	-
C.V. (%).....	42	19	18	-	-	-	-
Triticale							
Sunland.....	53	53	49	17	38	3-23	46.9
Tripal 498.....	37	-	-	22	36	3-30	43.0
Test Mean.....	45	53	49	19	37	3-26	45.0
L.S.D. (.10).....	10	-	-	-	-	-	-
C.V. (%).....	16	-	-	-	-	-	-

TABLE 12. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995 Lb.	3-Yr. Av. Lb.
	1995 Bu.	Test Wt. Lb./Bu.	3-Yr. Av. Bu.	1995 Bu.	Test Wt. Lb./Bu.	3-Yr. Av. Bu.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat								
Pioneer 2643.....	49	54.9	-	-	-	-	-	-
GA Stuckey.....	46	50.3	-	-	-	-	4,592	-
GA GORE.....	46	53.7	39	38	52.1	35	-	-
Pioneer XW 631.....	46	51.9	-	-	-	-	-	-
Jackson.....	41	54.1	-	-	-	-	3,478	-
GA Morey.....	36	48.1	-	-	-	-	3,462	-
Northrup King Coker 9134...	36	54.5	45	-	-	-	-	-
Pioneer 2566.....	35	53.7	42	-	-	-	-	-
Madison	34	51.1	40	-	-	-	3,601	3,454
Florida 304.....	30	50.8	39	28	51.7	32	4,055	4,095
GA ANDY.....	29	49.1	34	44	52.9	37	-	-
Wakefield.....	29	52.9	43	-	-	-	3,648	3,421
Florida 302.....	29	48.3	40	14	42.0	23	3,829	3,554
Pioneer 2628.....	29	52.5	-	-	-	-	-	-
Northrup King Coker 9835...	28	48.2	-	-	-	-	-	-
GA Dozier.....	27	50.8	-	-	-	-	3,999	-
Saluda	25	53.6	34	16	48.4	16	3,842	3,699
Hazen.....	21	48.9	-	-	-	-	3,536	-
GA Combo.....	15	49.2	-	-	-	-	-	-
Stacy	-	-	-	-	-	-	3,828	-
Test Mean.....	33	51.6	39	28	49.4	29	3,806	3,645
L.S.D. (.10).....	4	-	4	4	-	5	547	636
C.V. (%).....	8	-	8	10	-	12	10	13

TABLE 12. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1995

Continued

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995	3-Yr. Av.
	1995	Test Wt.	3-Yr. Av.	1995	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Oats								
FL 874-S1-G3.....	27	30.6	-	-	-	-	4,297	-
Ga Mitchell.....	24	30.8	53	73	33.6	67	-	-
FL 874-E55.....	22	29.4	-	-	-	-	3,708	-
Florida 502.....	19	29.9	28	82	33.7	52	3,737	3,451
Citation.....	16	29.5	58	61	28.7	58	4,388	3,974
Florida 501.....	16	27.0	29	64	31.4	49	3,899	3,564
Ozark.....	11	28.0	-	-	-	-	3,394	3,616
Iapar 61.....	-	-	-	-	-	-	3,708	-
Simpson.....	-	-	-	-	-	-	3,491	3,854
Test Mean.....	19	29.0	42	70	31.9	57	3,828	3,692
L.S.D. (.10).....	5	-	10	4	-	6	460	578
C.V. (%).....	20	-	18	4	-	7	8	11
Rye								
GI 87.....	-	-	-	-	-	-	5,078	-
NF 73.....	-	-	-	-	-	-	4,921	-
Bonel.....	-	-	-	-	-	-	4,815	4,801
GA WACL-7.....	-	-	-	-	-	-	4,753	-
Maton.....	-	-	-	-	-	-	4,684	-
Dossco Grazer III.....	-	-	-	-	-	-	4,642	4,491
Wren's Abruzzi AL.....	-	-	-	-	-	-	4,575	4,287
Wintergrazer 70.....	-	-	-	-	-	-	4,567	4,500
Gurley Grazer 2000.....	-	-	-	-	-	-	4,525	-
Oklon.....	-	-	-	-	-	-	4,441	-
Florida 401.....	-	-	-	-	-	-	3,890	3,811
Test Mean.....	-	-	-	-	-	-	4,626	4,378
L.S.D. (.10).....	-	-	-	-	-	-	487	676
C.V. (%).....	-	-	-	-	-	-	7	11
Triticale								
Trical 498.....	47	39.5	-	50	42.6	-	-	-
Sunland.....	39	44.6	45	54	50.4	39	3,667	-
Trical 2700.....	-	-	-	-	-	-	4,031	-
Test Mean.....	43	42.1	45	52	46.5	39	3,849	-
L.S.D. (.10).....	1	-	-	25	-	-	746	-
C.V. (%).....	1	-	-	20	-	-	8	-

TABLE 13. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995	3-Yr. Av.
	1995	Test Wt.	3-Yr. Av.	1995	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Wheat								
Pioneer 2643.....	55	50.7	-	-	-	-	-	-
GA GORE.....	51	54.7	52	39	49.8	57	-	-
GA Morey.....	46	48.8	-	-	-	-	3,720	-
Northrup King Coker 9134.....	46	51.7	56	-	-	-	-	-
AgriPro 91D-2308.....	44	50.0	-	-	-	-	-	-
Northrup King Coker 9835.....	43	50.9	-	-	-	-	-	-
GA Stuckey.....	41	50.1	-	-	-	-	5,390	-
Madison.....	41	50.7	44	-	-	-	4,287	4,461
Pioneer 2566.....	40	50.6	53	-	-	-	-	-
Pioneer XW 631.....	38	49.4	-	-	-	-	-	-
GA Dozier.....	36	56.2	-	-	-	-	3,974	-
Florida 304.....	32	51.7	38	32	50.1	50	4,040	4,533
GA ANDY.....	27	43.8	36	14	42.2	48	4,439	4,675

TABLE 13. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1995

Continued

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995	3-Yr. Av.
	1995	Test Wt.	3-Yr. Av.	1995	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Wakefield	26	45.5	48	-	-	-	3,749	4,520
Pioneer 2628	24	44.1	-	-	-	-	-	-
Jackson	24	46.4	-	-	-	-	3,789	-
Saluda	18	43.6	44	11	-	35	4,184	4,927
Hazen	14	42.0	-	-	-	-	3,990	-
GA Combo	10	52.4	-	-	-	-	-	-
Stacy	-	-	-	-	-	-	4,339	-
Test Mean	34	49.3	45	27	46.0	49	4,173	4,623
L.S.D. (.10)	7	-	8	4	-	5	561	505
C.V. (%)	15	-	14	10	-	8	10	8
Oats								
Ga Mitchell	24	29.6	66	37	25.5	88	-	-
FL 874-E55	19	23.0	-	-	-	-	3,827	-
Ozark	18	24.2	-	-	-	-	3,926	4,884
Citation	13	27.1	43	28	19.0	86	4,293	4,748
FL 874-S1-G3	13	25.8	-	-	-	-	4,064	-
Florida 502	12	27.3	35	13	23.4	79	3,903	4,530
Florida 501	10	24.8	-	22	21.7	66	3,644	4,515
Simpson	-	-	-	-	-	-	3,617	4,614
Japar 61	-	-	-	-	-	-	3,050	-
Test Mean	16	26.0	48	25	22.4	80	3,790	4,658
L.S.D. (.10)	8	-	16	8	-	12	696	647
C.V. (%)	37	-	24	21	-	10	13	10
Rye								
Wren's Abruzzi AL	-	-	-	-	-	-	5,561	5,086
GA WACL-7	-	-	-	-	-	-	5,194	-
Oklon	-	-	-	-	-	-	4,887	-
NF 73	-	-	-	-	-	-	4,853	-
Gurley Grazer 2000	-	-	-	-	-	-	4,681	-
Wintergrazer 70	-	-	-	-	-	-	4,592	5,206
Dossco Grazer III	-	-	-	-	-	-	4,492	5,216
Bonel	-	-	-	-	-	-	4,490	5,055
GI 87	-	-	-	-	-	-	4,449	-
Maton	-	-	-	-	-	-	4,029	-
Florida 401	-	-	-	-	-	-	4,013	4,218
Test Mean	-	-	-	-	-	-	4,658	4,956
L.S.D. (.10)	-	-	-	-	-	-	577	788
C.V. (%)	-	-	-	-	-	-	9	12
Triticale								
Trical 498	49	39.0	-	45	46.3	-	-	-
Sunland	47	45.1	44	66	47.7	55	3,537	-
Trical 2700	-	-	-	-	-	-	4,486	-
Test Mean	48	42.1	44	56	47.0	55	4,012	-
L.S.D. (.10)	8	-	-	17	-	-	310	-
C.V. (%)	7	-	-	13	-	-	3	-

TABLE 14. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995	3-Yr. Av.
	1995	Test Wt.	3-Yr. Av.	1995	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Wheat								
Pioneer 2643	42	51.0	-	-	-	-	-	-
Pioneer XW 631	40	48.8	-	-	-	-	-	-
Madison	33	50.1	30	-	-	-	2,097	2,564

TABLE 14. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1995

Continued

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995	3-Yr. Av.
	1995	Test Wt.	3-Yr. Av.	1995	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Jackson.....	32	48.8	-	-	-	-	2,185	-
GA GORE.....	32	50.0	30	15	46.8	33	-	-
GA Stuckey.....	30	47.8	-	-	-	-	2,728	-
Northrup King Coker 9835....	30	48.6	-	-	-	-	-	-
AgriPro 91D-2308.....	29	49.0	-	-	-	-	-	-
Northrup King Coker 9134....	28	50.7	37	-	-	-	-	-
Pioneer 2566	27	49.9	32	-	-	-	-	-
GA Morey.....	24	45.3	-	-	-	-	2,631	-
GA Dozier.....	23	42.6	-	-	-	-	3,021	-
Wakefield.....	23	48.9	29	-	-	-	1,924	2,912
Florida 302.....	23	45.9	30	7	43.0	30	2,486	2,938
Pioneer 2628.....	21	46.9	-	-	-	-	-	-
Florida 304.....	20	47.3	26	16	48.1	35	2,865	3,269
GA ANDY.....	14	46.0	18	24	47.5	33	-	-
Hazen	9	43.6	-	-	-	-	2,596	-
Saluda.....	8	46.5	21	4	45.8	22	2,641	2,820
GA Combo.....	8	48.4	-	-	-	-	-	-
Stacy	-	-	-	-	-	-	2,031	-
Test Mean.....	25	47.8	28	13	46.2	30	2,473	2,901
L.S.D. (.10).....	9	-	7	3	-	4	649	421
C.V. (%).....	27	-	18	13	-	10	19	11
Oats								
FL 874-E55.....	20	30.1	-	-	-	-	3,326	-
Ga Mitchell.....	17	28.7	65	26	27.0	58	-	-
Florida 501.....	8	28.4	28	7	22.8	34	3,465	3,627
FL 874-S1-G3	7	32.6	-	-	-	-	3,040	-
Ozark.....	5	27.6	-	-	-	-	2,862	3,170
Citation.....	5	25.6	45	4	-	46	3,176	3,616
Florida 502.....	5	32.6	26	5	30.4	31	2,869	3,375
Iapar 61.....	-	-	-	-	-	-	2,639	-
Simpson.....	-	-	-	-	-	-	2,513	3,143
Test Mean.....	9	29.4	41	11	26.7	42	2,986	3,386
L.S.D. (.10).....	4	-	10	2	-	6	650	465
C.V. (%).....	31	-	17	14	-	10	15	10
Rye								
GA WACL-7.....	-	-	-	-	-	-	4,388	-
Wren's Abruzzi AL.....	-	-	-	-	-	-	4,341	4,245
Wintergrazer 70.....	-	-	-	-	-	-	4,212	4,333
NF 73.....	-	-	-	-	-	-	4,196	-
Oklon	-	-	-	-	-	-	4,175	-
Gurley Grazer 2000.....	-	-	-	-	-	-	4,068	-
GI 87	-	-	-	-	-	-	3,929	-
Dossco Grazer III.....	-	-	-	-	-	-	3,834	4,181
Maton	-	-	-	-	-	-	3,717	-
Bonel.....	-	-	-	-	-	-	3,698	3,959
Florida 401.....	-	-	-	-	-	-	3,379	3,697
Test Mean.....	-	-	-	-	-	-	3,994	4,083
L.S. D. (.10).....	-	-	-	-	-	-	482	429
C.V. (%).....	-	-	-	-	-	-	9	8
Triticale								
Trical 498.....	24	37.4	-	37	40.2	-	-	-
Sunland.....	16	42.2	29	46	42.5	44	2,644	-
Trical 2700.....	-	-	-	-	-	-	2,823	-
Test Mean.....	20	39.8	29	42	41.4	44	2,733	-
L.S.D. (.10).....	3	-	-	4	-	-	130	-
C.V. (%).....	5	-	-	4	-	-	2	-

TABLE 15. PERFORMANCE OF SMALL GRAINS AT HEADLAND, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995	3-Yr. Av.
	1995	Test Wt.	3-Yr. Av. ¹	1995	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Wheat								
GA Morey.....	27	-	-	-	-	-	6,227	-
Pioneer 2643.....	26	-	-	-	-	-	-	-
GA Stuckey.....	26	-	-	-	-	-	6,360	-
GA ANDY.....	26	-	-	31	-	55	-	-
Florida 304.....	24	-	-	18	-	42	6,319	6,831
Pioneer 2566.....	22	-	-	-	-	-	-	-
Pioneer XW 631.....	20	-	-	-	-	-	-	-
GA GORE.....	19	-	48	19	-	42	-	-
Northrup King Coker 9835.....	18	-	-	-	-	-	-	-
Pioneer 2628.....	17	-	-	-	-	-	-	-
AgriPro 91D-2308.....	17	-	-	-	-	-	-	-
Northrup King Coker 9134.....	16	-	49	-	-	-	-	-
Wakefield.....	15	-	36	-	-	-	4,846	5,843
GA Dozier.....	15	-	-	-	-	-	6,587	-
Madison.....	12	-	-	-	-	-	4,377	5,449
Florida 302.....	6	-	29	10	-	31	4,522	5,559
GA Combo.....	6	-	-	-	-	-	-	-
Saluda.....	5	-	24	9	-	22	4,493	6,086
Jackson.....	4	-	-	-	-	-	4,534	-
Hazen.....	1	-	-	-	-	-	4,848	-
Stacy.....	-	-	-	-	-	-	5,599	-
Test Mean.....	16	-	37	17	-	38	5,337	5,954
L.S.D. (.10).....	7	-	8	16	-	12	839	1,020
C.V. (%).....	31	-	16	62	-	22	11	13
Oats								
Florida 502.....	28	-	66	34	-	82	7,191	7,981
FL 874-E55.....	20	-	-	-	-	-	7,431	-
Ga Mitchell.....	15	-	67	35	-	78	-	-
FL 874-S1-G3.....	13	-	-	-	-	-	7,181	-
Florida 501.....	8	-	-	46	-	78	5,459	7,382
Citation.....	1	-	57	23	-	84	6,586	7,790
Ozark.....	0	-	-	-	-	-	4,920	7,282
Iapar 61.....	-	-	-	-	-	-	5,438	-
Simpson.....	-	-	-	-	-	-	4,651	7,957
Test Mean.....	12	-	63	34	-	81	6,107	7,678
L.S.D. (.10).....	7	-	11	42	-	23	1,414	1,818
C.V. (%).....	43	-	12	77	-	21	16	17
Rye								
Wren's Abruzzi AL.....	-	-	-	-	-	-	9,295	9,675
Florida 401.....	-	-	-	-	-	-	9,069	9,594
Wintergrazer 70.....	-	-	-	-	-	-	8,945	9,679
NF 73.....	-	-	-	-	-	-	8,846	-
Gurley Grazer 2000.....	-	-	-	-	-	-	8,735	-
Maton.....	-	-	-	-	-	-	8,640	-
GI 87.....	-	-	-	-	-	-	8,424	-
Oklon.....	-	-	-	-	-	-	8,322	-
Bonel.....	-	-	-	-	-	-	8,065	9,454
Dossco Grazer III.....	-	-	-	-	-	-	7,994	9,505
GA WACL-7.....	-	-	-	-	-	-	7,653	-
Test Mean.....	-	-	-	-	-	-	8,544	9,582
L.S.D. (.10).....	-	-	-	-	-	-	2,356	1,738
C.V. (%).....	-	-	-	-	-	-	20	13
Triticale								
Sunland.....	34	-	-	37	-	52	7,874	-
Trical 498.....	18	-	-	20	-	44	-	-
Trical 2700.....	-	-	-	-	-	-	5,709	-
Test Mean.....	26	-	-	29	-	48	6,791	-
L.S.D. (.10).....	9	-	-	22	-	18	4,092	-
C.V. (%).....	14	-	-	32	-	26	25	-

¹Grain only 3-yr. av. based on 1992, 1993, and 1995

TABLE 16. PERFORMANCE OF SMALL GRAINS AT FAIRHOPE, ALABAMA, 1995

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1995	3-Yr. Av.
	1995	Test Wt.	3-Yr. Av.	1995	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
Wheat								
Pioneer XW 631.....	42	-	-	-	-	-	-	-
GA Stuckey	33	-	-	-	-	-	7,404	-
AgriPro 91D-2308.....	28	-	-	-	-	-	-	-
Pioneer 2643.....	25	-	-	-	-	-	-	-
Florida 304.....	24	-	44	22	-	40	6,729	5,899
Madison	23	-	37	-	-	-	6,755	5,486
GA Dozier	19	-	-	-	-	-	7,643	-
Pioneer 2566.....	19	-	38	-	-	-	-	-
Wakefield	18	-	35	-	-	-	6,688	5,593
GA Morey.....	18	-	-	-	-	-	5,626	-
GA GORE.....	17	-	35	16	-	33	-	-
Northrup King Coker 9835.....	17	-	-	-	-	-	-	-
Northrup King Coker 9134.....	11	-	29	-	-	-	-	-
Jackson	10	-	-	-	-	-	6,547	-
Florida 302.....	9	-	32	6	-	22	6,127	5,259
GA ANDY	8	-	31	36	-	49	-	-
GA Combo.....	6	-	-	-	-	-	-	-
Pioneer 2628.....	5	-	-	-	-	-	-	-
Hazen.....	4	-	-	-	-	-	6,278	-
Saluda	4	-	23	3	-	16	5,698	5,373
Stacy.....	-	-	-	-	-	-	6,280	-
Test Mean	17	-	34	17	-	32	6,525	5,522
L.S.D. (.10).....	6	-	8	4	-	3	1,208	836
C.V. (%).....	25	-	18	16	-	8	13	11
Oats								
FL 874-S1-G3	12	-	-	-	-	-	5,729	-
Florida 502.....	6	-	30	24	-	46	5,620	4,566
Florida 501.....	5	-	24	0	-	23	4,682	4,312
FL 874-E55	5	-	-	-	-	-	6,247	-
Ozark.....	4	-	-	-	-	-	5,182	4,688
Ga Mitchell.....	2	-	40	0	-	46	-	-
Citation	0	-	19	0	-	19	5,423	4,916
Iapar 61	-	-	-	-	-	-	4,342	-
Simpson	-	-	-	-	-	-	3,997	4,428
Test Mean	5	-	28	6	-	34	5,153	4,582
L.S.D. (.10).....	8	-	14	9	-	13	758	547
C.V. (%).....	-	-	36	94	-	28	10	9
Rye								
Maton.....	-	-	-	-	-	-	7,807	-
Wintergrazer 70.....	-	-	-	-	-	-	7,795	6,289
Gurley Grazer 2000.....	-	-	-	-	-	-	7,598	-
Oklon	-	-	-	-	-	-	7,489	-
NF 73.....	-	-	-	-	-	-	7,357	-
GI 87.....	-	-	-	-	-	-	6,880	-
GA WACL-7.....	-	-	-	-	-	-	6,850	-
Bonel	-	-	-	-	-	-	6,728	5,920
Dossco Grazer III.....	-	-	-	-	-	-	6,612	5,811
Wren's Abruzzi AL.....	-	-	-	-	-	-	6,122	5,557
Florida 401	-	-	-	-	-	-	4,419	3,905
Test Mean	-	-	-	-	-	-	6,878	5,496
L.S.D. (.10).....	-	-	-	-	-	-	1,093	755
C.V. (%).....	-	-	-	-	-	-	11	10
Triticale								
Trical 498.....	32	-	-	33	-	-	-	-
Sunland.....	16	-	36	60	-	58	5,095	-
Trical 2700.....	-	-	-	-	-	-	6,176	-
Test Mean	24	-	36	46	-	58	5,636	-
L.S.D. (.10).....	4	-	-	1	-	-	1,013	-
C.V. (%).....	7	-	-	1	-	-	8	-

TABLE 17. SEPTORIA BLOTCH RATINGS FOR WHEAT VARIETIES IN ALABAMA, 1994-95¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
AgriPro 91D-2308	-	1.7	2.2
AgriPro Hickory	2.0	1.0	-
AgriPro Shiloh	2.3	0.7	-
Clemson 201	3.7	1.0	-
Florida 302	3.3	2.0	1.4
Florida 304	5.0	0.7	3.4
GA Andy	4.7	2.0	3.2
GA Combo	4.0	1.3	1.8
GA Dozier	3.0	0.3	1.8
GA Gore	2.7	1.0	1.8
GA Morey	3.7	1.3	3.2
GA Stuckey	4.3	1.3	2.6
Hazen	3.0	1.0	1.2
Jackson	5.0	2.0	0.6
Madison	4.7	0.7	1.0
Northrup King Coker 9134	-	1.7	2.0
Northrup King Coker 9543	2.0	-	-
Northrup King Coker 9803	3.0	-	-
Northrup King Coker 9835	-	1.0	1.6
Pioneer 2566	3.0	1.0	1.4
Pioneer 2580	3.0	-	-
Pioneer 2628	3.3	0.7	0.4
Pioneer 2643	1.7	2.0	1.8
Pioneer 2684	2.0	-	-
Pioneer XW 631	2.3	1.0	2.4
Saluda	3.3	2.3	0.6
Terral 101	3.0	-	-
Wakefield	3.3	0.0	1.2
SOUTHERN ALABAMA			
<i>Late Planting</i>			
Florida 302	-	-	2.0
Florida 304	-	-	1.4
GA Andy	-	-	1.0
GA Gore	-	-	0.2
Saluda	-	-	1.2

¹0-10 scale: 0 = no disease, 10 = severe disease.

TABLE 18. LEAF RUST RATINGS FOR WHEAT VARIETIES IN ALABAMA, 1994-95¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
AgriPro 91D-2308	-	1.3	3.6
AgriPro Hickory	2.0	6.3	-
AgriPro Shiloh	1.0	2.0	-
Clemson 201	0.7	1.0	-
Florida 302	4.3	4.7	2.8
Florida 304	0.0	1.0	0.8
GA Andy	1.0	3.3	3.0
GA Combo	3.3	3.3	3.0
GA Dozier	1.0	1.3	1.0
GA Gore	1.0	1.7	1.8
GA Morey	0.0	0.7	0.6
GA Stuckey	1.7	4.3	2.0
Hazen	4.3	6.7	1.8
Jackson	6.7	2.7	3.6
Madison	2.0	7.0	4.4
Northrup King Coker 9134	-	5.0	1.2
Northrup King Coker 9543	1.7	-	-
Northrup King Coker 9803	0.7	-	-
Northrup King Coker 9835	-	1.7	2.4
Pioneer 2566	1.0	7.0	1.0
Pioneer 2580	2.0	-	-
Pioneer 2628	2.7	1.3	5.0
Pioneer 2643	0.7	1.3	0.6
Pioneer 2684	1.7	-	-
Pioneer XW 631	1.0	6.7	1.2
Saluda	8.7	2.3	4.6
Terral 101	1.3	-	-
Wakefield	4.3	0.0	2.6
SOUTHERN ALABAMA -Late Planting			
Florida 302	-	-	2.8
Florida 304	-	-	0.4
GA Andy	-	-	2.8
GA Gore	-	-	1.8
Saluda	-	-	3.6

¹0-10 scale: 0 = no disease, 10 = severe disease.

TABLE 19. POWDERY MILDEW RATINGS FOR WHEAT VARIETIES IN ALABAMA, 1994-95¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
AgriPro 91D-2308	-	3.3	0.2
AgriPro Hickory	0.3	0.7	-
AgriPro Shiloh	7.0	5.3	-
Clemson 201	0.0	2.3	-
Florida 302	0.0	0.3	1.6
Florida 304	4.3	4.7	1.6
GA Andy	0.0	1.7	0.0
GA Combo	0.3	0.7	0.0
GA Dozier	0.0	1.7	0.0
GA Gore	0.0	1.3	0.0
GA Morey	0.0	0.3	0.4
GA Stuckey	0.0	0.3	0.8
Hazen	0.3	0.0	0.8
Jackson	0.0	0.3	0.2
Madison	1.0	0.7	0.0
Northrup King Coker 9134	-	2.0	0.6
Northrup King Coker 9543	0.3	-	-
Northrup King Coker 9803	0.0	-	-
Northrup King Coker 9835	-	1.0	0.2
Pioneer 2566	0.0	0.0	0.2
Pioneer 2580	0.0	-	-
Pioneer 2628	0.0	1.3	0.0
Pioneer 2643	0.0	0.7	0.0
Pioneer 2684	0.0	-	-
Pioneer XW 631	0.0	0.0	0.0
Saluda	0.0	2.3	0.2
Terral 101	2.3	-	-
Wakefield	3.7	0.0	1.0

SOUTHERN ALABAMA - Late Planting

Florida 302	-	-	0.8
Florida 304	-	-	2.2
GA Andy	-	-	0.8
GA Gore	-	-	0.0
Saluda	-	-	0.4

¹0-10 scale: 0 = no disease, 10 = severe disease.

TABLE 20. BARLEY YELLOW DWARF RATINGS FOR WHEAT VARIETIES IN ALABAMA 1994-95¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
AgriPro 91D-2308	-	0.0	0.0
AgriPro Hickory	6.7	20.0	-
AgriPro Shiloh	0.0	6.7	-
Clemson 201	6.7	6.7	-
Florida 302	0.0	3.3	0.0
Florida 304	3.3	20.0	0.0
GA Andy	0.0	1.7	0.0
GA Combo	20.0	27.0	0.0
GA Dozier	40.0	21.7	0.0
GA Gore	31.7	10.0	0.0
GA Morey	0.0	10.0	0.0
GA Stuckey	48.3	50.0	0.0
Hazen	0.0	3.3	0.0
Jackson	13.3	1.7	0.0
Madison	23.3	5.0	0.0
Northrup King Coker 9134	-	25.3	0.0
Northrup King Coker 9543	46.7	-	-
Northrup King Coker 9803	13.3	-	-
Northrup King Coker 9835	-	3.7	0.0
Pioneer 2566	24.0	3.3	0.0
Pioneer 2580	0.0	-	-
Pioneer 2628	8.3	13.3	0.0
Pioneer 2643	20.0	0.0	0.0
Pioneer 2684	30.0	-	-
Pioneer XW 631	0.0	25.0	0.0
Saluda	13.3	8.3	0.0
Terral 101	16.7	-	-
Wakefield	15.0	0.0	0.0
SOUTHERN ALABAMA - Late Planting			
Florida 302	-	-	0.0
Florida 304	-	-	0.0
GA Andy	-	-	0.0
GA Gore	-	-	0.0
Saluda	-	-	0.0

¹Percent symptomatic plants.

TABLE 21. SOILBORNE MOSAIC RATINGS FOR WHEAT VARIETIES IN ON-FARM TEST IN AUTAUGA COUNTY, ALABAMA, 1994-95¹

Brand-variety	Percent Symptomatic Plants
AgriPro 91D-2308	20.9
AgriPro Hickory	7.1
AgriPro Shiloh	5.3
Clemson 201	31.6
Florida 302	69.8
Florida 304	16.4
GA Andy	13.8
GA Combo	9.3
GA Dozier	16.0
GA Gore	18.2
GA Morey	12.9
GA Stacy	4.9
GA Stuckey	22.2
Hazen	5.8
Jackson	7.1
Madison	9.3
Northrup King Coker 9134	14.2
Northrup King Coker 9543	5.8
Northrup King Coker 9803	5.8
Northrup King Coker 9835	10.7
Pioneer 2566	10.2
Pioneer 2580	15.1
Pioneer 2628	4.9
Pioneer 2643	12.4
Pioneer 2684	5.8
Pioneer XW 631	12.0
Saluda	8.0
Terral 101	12.0
Wakefield	11.1

¹Ratings made March 17, 1995.

TABLE 22. DISEASE RATINGS FOR BARLEY VARIETIES IN NORTHERN ALABAMA 1994-95¹

Brand-variety	Stripe	Spot blotch	Septoria blotch
Callao	0.0	0.7	1.3
GA 81814	1.0	1.0	0.3
Nomini	0.7	0.3	0.7
Pamunkey	0.7	1.7	0.3
Starling	0.7	2.0	2.7
Wysor	0.3	0.7	1.0

¹0-10 scale: 0 = no disease, 10 = severe disease.

TABLE 23. DISEASE RATINGS FOR TRITICALE VARIETIES IN ALABAMA 1994-95

Brand-variety	Septoria blotch ¹	Leaf rust ¹	Barley yellow dwarf ²
NORTHERN ALABAMA			
Sunland	2.7	0.3	0.0
Trical 498	3.7	1.3	0.0
CENTRAL ALABAMA			
Sunland	3.3	1.3	0.0
Trical 498	2.7	3.7	0.0
SOUTHERN ALABAMA			
Sunland	2.8	2.2	0.0
Trical 498	4.2	1.8	0.0
SOUTHERN ALABAMA - Late Planting			
Sunland	2.0	1.0	0.0
Trical 498	2.0	0.6	0.0

¹0-10 scale: 0 = no disease, 10 = severe disease.

²Percent plants affected.

TABLE 24. DISEASE RATINGS FOR OAT VARIETIES IN ALABAMA, 1994-95

Brand-variety	Helminthosporium leaf spot ¹	Leaf rust ¹	Barley yellow dwarf ²
NORTHERN ALABAMA			
FL 874-E55	2.0	0.0	5.0
FL 874-S1-G3	1.7	0.0	0.0
Florida 501	4.3	0.0	6.7
Florida 502	3.7	0.0	16.7
GA Mitchell	2.0	0.0	3.3
Northrup King Coker 716	3.3	0.0	16.7
Ozark	3.0	0.0	3.3
Simpson	1.7	0.0	3.3
CENTRAL ALABAMA			
Citation	2.0	2.0	30.0
FL 874-E55	2.3	2.0	10.0
FL 874-S1-G3	1.3	1.0	15.0
Florida 501	2.3	3.3	20.0
Florida 502	2.0	1.7	10.0
GA Mitchell	2.7	2.0	6.7
Ozark	2.0	1.7	3.7
Simpson	2.3	4.7	26.7

TABLE 24. DISEASE RATINGS FOR OAT VARIETIES IN ALABAMA, 1994-95

Continued

Brand-variety	Helminthosporium Leaf spot ¹	Leaf Rust ¹	Barley Yellow dwarf ²
SOUTHERN ALBAMA			
Citation	0.4	7.6	0.0
FL 874-E55	3.4	4.6	0.0
FL 874-S1-G3	3.6	3.8	0.0
Florida 501	1.0	7.0	0.0
Florida 502	1.0	5.6	0.0
GA Mitchell	2.2	6.4	0.0
Simpson	0.4	7.4	0.0
SOUTHERN ALABAMA - Late Planting			
Citation	1.6	4.4	0.0
Florida 501	0.4	3.8	0.0
Florida 502	0.6	1.6	0.0
GA Mitchell	0.6	4.2	0.0

¹0-10 scale:0 = no disease, 10 = severe disease.

²Percent plants affected.

SOURCES OF SEED

Wheat

GA-Andy, GA-Gore, GA-Combo,
GA-Stacy, GA-Morey,
GA-Dozier, GA-Stuckey

Univ. of Georgia, Georgia Station
Griffin, Georgia

AgriPro Hickory, AgriPro Shiloh,
AgriPro 91D-2308

AgriPro Seeds, Inc.
Jonesboro, Arkansas

Coker (all varieties, brands,
and hybrids)

Northrup King Co.,
Somerville, Tennessee

Florida 302, Florida 304

Univ. of Florida, Agric. Res. Ctr.
Quincy, Florida

Hazen

Univ. of Arkansas
Fayetteville, Arkansas

Jackson, Madison,
Wakefield

Department of Agronomy
Virginia Polytechnic Inst.
Blacksburg, Virginia

Pioneer (all varieties, brands,
and hybrids)

Pioneer Hi-Bred International, Inc.
Huntsville, Alabama

Saluda

Alabama Crop Improvement Assoc.
Auburn, Alabama

Clemson 201 (formerly SC 850559)	South Carolina Crop Impr. Assoc. Clemson, South Carolina
Terral 101	Terral-Norris Seed Co. Lake Providence, Louisiana
Oats	
Ozark	Univ. of Arkansas Fayetteville, Arkansas
Citation	Terral-Norris Seed Co. Lake Providence, Louisiana
Coker (all varieties, brands, and hybrids)	Northrup King Co. Somerville, Tennessee
Florida 501, Florida 502 FL 874-E55, FL 874-S1-G3	Univ. of Florida, Agric. Res. Ctr. Quincy, Florida
GA-Mitchell	Univ. of Georgia, Georgia Station Griffin, Georgia
Simpson	South Carolina Crop Impr. Assoc. Clemson, South Carolina
Iapar 61	Auburn University/USDA-ARS Auburn University, Alabama
Barley	
Pamunkey, Wysor, Nomini, Starling (formerly VA 85-44-226) Callao	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Triticale	
Trical 498, Trical 2700	Resource Seeds, Inc. Union, Kentucky
Sunland	Univ. of Florida, Agric. Res. Ctr. Quincy, Florida
Rye	
Wren's Abruzzi AL	Alabama Crop Improvement Assoc. Auburn, Alabama
Florida 401	Univ. of Florida, Agric. Res. Ctr., Quincy, Florida
AFC 20-20, AFC 20-30, Dossco Grazer III	Gainey Grain, Inc. Laurel Hill, North Carolina
GI-87, Gurley's Grazer 2000	Carl R. Gurley, Inc. Princeton, North Carolina
Wintergrazer 70	Pennington Seed Inc. Madison, Georgia
NF 73, Bonel, Maton, Oklon	Samuel Roberts Noble Foundation, Inc. Ardmore, Oklahoma
GA-WACL-7	Univ. of Florida, Agric. Res. Ctr. Quincy, Florida

APPENDIX

CHARACTERISTICS OF SELECTED VARIETIES

<i>Wheat</i>							
Brand-variety	Resistance				Test Weight	Maturity	Straw Strength
	Leaf Rust	Glume Blotch	Powdery Mildew	Hessian Fly			
AgriPro Hickory.....	poor	good	fair	fair	fair	medium	fair
Florida 302.....	poor	fair	fair	poor	good	late	good
Florida 304.....	good	fair	fair	good	good	medium	good
GA-Andy.....	poor	fair	poor	good	good	early	good
GA-Dozier.....	good	good	good	good	good	medium	good
GA-Gore.....	poor	good	good	good	good	medium	fair
GA-Stuckey.....	poor	fair	good	good	good	early	fair
Jackson.....	poor	good	fair	poor	good	medium	fair
Madison.....	poor	fair	good	poor	good	early	good
GA-Morey.....	good	fair	good	good	good	early	good
NK Coker 9134.....	fair	good	fair	good	good	late	fair
NK Coker 9543.....	poor	good	fair	poor	good	late	fair
NK Coker 9803.....	good	fair	fair	poor	good	medium	good
NK Coker 9835.....	poor	good	fair	good	good	medium	good
Pioneer 2566.....	good	good	fair	good	good	late	good
Pioneer 2580.....	fair	good	good	fair	good	medium	fair
Pioneer 2628.....	poor	good	good	fair	good	medium	fair
Pioneer 2684.....	poor	good	good	good	good	early	good
Saluda.....	poor	good	poor	good	good	late	good
Wakefield.....	fair	fair	fair	poor	good	late	fair

<i>Oat</i>						
Brand-variety	Crown Rust Resistance	Cold Hardiness	Maturity	Test Weight	Straw Strength	
Citation.....	poor	good	medium	good	good	
Florida 501.....	poor	poor	early	good	poor	
Florida 502.....	fair	poor	early	good	good	
GA-Mitchell.....	poor	fair	medium	fair	good	
NK Coker 716.....	poor	good	medium	good	good	
Ozark.....	poor	good	med-late	fair	poor	
Simpson.....	poor	good	medium	good	fair	

Barley Yellow Dwarf

Although Barley Yellow Dwarf is a significant problem in Alabama, no current oat or wheat varieties have adequate resistance to this disease. All oat and wheat varieties are susceptible.

Alabama's Agricultural Experiment Station System AUBURN UNIVERSITY

★ Main Agricultural Experiment Station,
Auburn.

☆ E. V. Smith Research Center,
Shorter.

1. Tennessee Valley Substation,
Belle Mina.
2. Sand Mountain Substation,
Crossville.
3. North Alabama Horticulture
Substation, Cullman.
4. Upper Coastal Plain Substation,
Winfield.
5. Forestry Unit, Fayette County.
6. Chilton Area Horticulture Substation,
Clanton.
7. Forestry Unit, Coosa County.
8. Piedmont Substation,
Camp Hill.
9. Forestry Unit, Autauga County.
10. Prattville Experiment Field,
Prattville.
11. Black Belt Substation,
Marion Junction.
12. The Turnipseed-Ikenberry Place,
Union Springs.
13. Lower Coastal Plain Substation,
Camden.
14. Forestry Unit, Barbour County.
15. Monroeville Experiment Field,
Monroeville.
16. Wiregrass Substation,
Headland.
17. Brewton Experiment Field,
Brewton.
18. Ornamental Horticulture Substation,
Spring Hill.
19. Gulf Coast Substation,
Fairhope.

