

The
1993
Alabama
Performance
Comparison
of
Small
Grain
Varieties



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Information contained herein is available to all without regard to
race, color, sex, or national origin.

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THE 1993 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.

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 1990 and 1991 tests were at normal times. Planting dates for all tests in 1992 are shown in table 1. Tests in Southern Alabama were

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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 1990, 1991, and 1992 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 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 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 1992-93 growing season are given in tables 17 through 26, and are summarized by region. Dr. Robert T. Gudauskas, Professor of Plant Pathology, made the disease ratings at each location. Most ratings were taken when the majority of varieties were in the soft dough stage of maturity. Dr. Gudauskas reported that, with few exceptions, disease incidence and severity were higher at all locations than in 1992. However, differences in disease reactions usually were apparent among varieties at all locations as well. On wheat, leaf rust, Septoria blotch, and barley yellow dwarf occurred at moderate to severe levels in most tests. Particularly notable was the prevalence of barley yellow dwarf, a virus disease, throughout the state. Soilborne wheat mosaic, another virus disease, was found on some entries in most of the tests in central and southern Alabama. This disease is caused by a virus that in turn is spread by a root-inhabiting fungus. In addition to the regular variety trials on substations and experiment fields, two tests were conducted in Autauga and Madison counties in farmers' fields known to be infested with the soilborne wheat mosaic virus. Results of these tests are given in table 22. Powdery mildew was unusually light on wheat entries at most locations. On oats, commonly occurring diseases were barley yellow dwarf, leafspot, and Septoria blotch. Leaf rust was severe on oats only in tests at the Gulf Coast and Wiregrass substations in 1993. Incidence of leaf rust on triticales also was generally low, except at the Gulf Coast Substation where some varieties were heavily rusted. Levels of Septoria blotch were moderate to severe on triticales entries at most locations. On barley, typically occurring diseases developed in most tests but usually only at low incidence levels.

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. Variety recommendations are made for general regions of the State and are based on performance at several locations in each region. Recommendations are made on the basis of at least 3 years' data. Weather conditions in the 1990-91 and 1991-92 seasons were warmer than normal in fall and winter, causing many of the less hardy varieties of wheat and triticale to start heading in February. Early heading resulted in cold damage at central and southern locations in 1991. However, in 1992 no cold damage was observed. The warmer than normal January and February did not produce enough cold units to vernalize many of the wheat varieties in the central and southern tests in the 1990-91 seasons. There appeared to be sufficient low temperature in 1991-92 for vernalization of all entries when planted in late October. 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. Also, bird damage was moderate in oats and wheat at most locations and severe on oats at Fairhope.

Table 1. Location, Planting and Harvest Dates for 1992-93 Small Grain Tests

Location	Date planted	Date harvested
<u>Northern Alabama</u>		
Tennessee Valley Substation (Belle Mina)		
Small grain forage only.....	October 5	
Small grain grain only.....	October 26	June 15
Sand Mountain Substation (Crossville)		
Small grain forage only.....	October 2	
Small grain grain only.....	October 29	June 15
Upper Coastal Plain Substation (Winfield)		
Small grain forage only.....	September 15	
Small grain grain only.....	October 22	July 2
<u>Central Alabama</u>		
Black Belt Substation (Marion Junction)		
Small grain forage only.....	October 2	
Small grain grain only.....	November 20	Not harvested
E.V. Smith Research Center (Tallassee)		
Small grain forage only.....	October 7	
Small grain grain only.....	November 19	May 31 & June 8
Prattville Experiment Field (Prattville)		
Small grain forage only.....	October 2	
Small grain grain only.....	November 10	June 8
<u>Southern Alabama</u>		
Brewton Experiment Field (Brewton)		
Small grain forage only.....	October 2	
Small grain grain only.....	October 19	June 2
Small grain grain only late.....	December 3	June 2
Gulf Coast Substation (Fairhope)		
Small grain forage only.....	October 6	
Small grain grain only.....	November 18	May 24 & June 1
Small grain grain only late.....	December 14	May 24 & June 8
Monroeville Experiment Field (Monroeville)		
Small grain forage only.....	October 1	
Small grain grain only.....	October 20	June 1
Small grain grain only late.....	December 3	June 2
Lower Coastal Plain Substation (Camden)		
Small grain forage only.....	October 8	
Small grain grain only.....	November 10	June 4
Small grain grain only late.....	December 2	June 4
Wiregrass Substation (Headland)		
Small grain forage only.....	October 1	
Small grain grain only.....	October 22	Not harvested
Small grain grain only late.....	December 3	Not harvested

Table 2. Characteristics of Small Grains Tested in Northern Alabama, 3-Year Summary

Brand-variety	Average Yield/Acre			Average Yield/Acre			1993 Average			Test Wt. Lb./Bu.
	Grain Only			Forage Only			Lodging Height	1/10	Test Wt.	
	1993	2-Yr.	3-Yr.	1993	2-Yr.	3-Yr.	Pct.	In.	Date	
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.				
Wheat										
Pioneer 2548.....	54	57	44	-	-	-	0	33	4-23	54.7
Wakefield.....	43	53	42	3,085	2,975	3,245	4	36	4-24	53.9
Saluda.....	49	55	42	2,838	2,840	3,244	1	36	4-23	56.2
GA GORE.....	44	49	40	3,209	2,999	-	3	34	4-20	52.1
FFR 525W.....	44	49	39	-	-	-	4	36	4-20	55.3
Terral 101.....	42	51	39	-	-	-	7	37	4-26	51.3
Florida 302.....	46	50	38	3,048	3,035	2,735	8	37	4-21	53.2
Stoneville 350W.....	40	46	37	-	-	-	4	37	4-22	54.9
Caldwell.....	44	51	37	3,350	3,144	3,709	6	38	4-28	55.8
Madison.....	40	46	36	2,745	2,770	3,063	3	36	4-20	53.1
Bayles.....	40	46	34	2,883	2,772	2,806	4	34	4-22	52.0
Northrup King 9803.....	51	-	-	-	-	-	2	35	4-20	56.1
Northrup King Coker 9543.....	49	55	-	-	-	-	10	32	4-21	56.1
Pioneer 2580.....	49	-	-	-	-	-	4	33	4-21	53.6
GA ANDY.....	48	-	-	2,969	-	-	6	35	4-19	55.0
Pioneer XW 514.....	48	-	-	-	-	-	4	35	4-19	55.5
SC 850559.....	46	-	-	-	-	-	11	35	4-22	54.0
Pioneer 2566.....	43	-	-	-	-	-	4	35	4-24	54.1
GA 100.....	38	-	-	2,685	-	-	4	33	4-21	52.5
Massey.....	-	-	-	3,095	3,052	3,227	-	-	-	-
Northrup King Coker 9766.....	-	-	-	2,911	2,714	2,813	-	-	-	-
Florida 304.....	-	-	-	3,094	-	-	-	-	-	-
Test Mean.....	45	51	39	2,993	2,922	3,105	5	35	-	-
L.S.D. (.10).....	9	8	7	575	488	460	-	-	-	-
C.V. (%).....	14	11	12	14	12	11	-	-	-	-
Oats										
FFR SS 7630.....	65	82	68	-	-	-	31	42	4-21	34.1
Simpson.....	78	86	66	3,295	3,359	2,600	31	38	4-26	33.8
Ga Mitchell.....	73	85	66	2,945	2,973	-	28	34	4-25	34.8
Northrup King Coker 716..	68	82	65	2,812	2,935	2,248	31	37	4-25	33.9
Ozark.....	66	-	-	2,808	-	-	29	38	4-27	33.6
Bob.....	61	-	-	2,586	-	-	35	36	4-23	34.8
833.....	-	-	-	3,201	3,165	2,367	-	-	-	-
Citation.....	-	-	-	2,943	3,156	2,355	-	-	-	-
Florida 501.....	-	-	-	2,862	-	-	-	-	-	-
Florida 502.....	-	-	-	2,523	-	-	-	-	-	-
Test Mean.....	68	84	66	2,886	3,118	2,392	31	38	-	-
L.S.D. (.10).....	12	11	14	566	485	406	-	-	-	-
C.V. (%).....	13	9	15	14	11	13	-	-	-	-
Barley										
Wysor.....	51	53	42	3,864	3,396	2,874	32	35	4-16	44.7
Sussex.....	50	50	41	3,632	3,394	2,748	17	34	4-14	40.7
Nomini.....	50	52	-	3,340	-	-	10	35	4-14	45.2
Venus.....	42	-	-	3,696	-	-	30	33	4-13	45.8
Clemson 100.....	-	-	-	3,359	3,356	-	-	-	-	-
VA 85-44-226.....	-	-	-	3,324	-	-	-	-	-	-
Test Mean.....	48	52	42	3,536	3,382	2,811	22	34	-	-
L.S.D. (.10).....	6	7	6	599	529	444	-	-	-	-
C.V. (%).....	9	10	11	12	11	12	-	-	-	-

CONTINUED

Table 2. Characteristics of Small Grains Tested in Northern Alabama, 3-Year Summary

Continued

Brand-variety	Average Yield/Acre			Average Yield/Acre			1993 Average			
	Grain Only			Forage Only			Lodging Height	1/10	Test Wt.	
	1993	2-Yr.	3-Yr.	1993	2-Yr.	3-Yr.	Pct.	In.	Date	Lb./Bu.
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.				
<u>Rye</u>										
AFC 20-20.....	-	-	-	3,869	4,142	3,629	-	-	-	-
Volunteer Magic.....	-	-	-	3,892	4,065	3,489	-	-	-	-
Bonel.....	-	-	-	4,208	4,243	3,482	-	-	-	-
Graze King 90.....	-	-	-	3,783	3,995	3,462	-	-	-	-
Wren's Abruzzi AL.....	-	-	-	4,014	3,971	3,192	-	-	-	-
Florida 402.....	-	-	-	3,503	3,738	3,069	-	-	-	-
Florida 401.....	-	-	-	4,211	3,784	3,021	-	-	-	-
FL 8727-L1.....	-	-	-	4,592	-	-	-	-	-	-
Wintergrazer 70.....	-	-	-	3,767	-	-	-	-	-	-
Test Mean.....	-	-	-	3,982	3,991	3,335	-	-	-	-
L.S.D. (.10).....	-	-	-	618	573	514	-	-	-	-
C.V. (%).....	-	-	-	11	11	11	-	-	-	-
<u>Triticale</u>										
Stan II.....	52	51	38	-	-	-	8	47	4-28	42.5
Sunland.....	42	39	28	3,379	-	-	6	38	4-14	48.5
Florida 201.....	42	-	-	3,425	-	-	17	38	4-15	49.1
Beagle 82.....	39	-	-	3,259	2,841	2,210	14	36	4-14	46.1
Stan I.....	-	-	-	3,786	3,568	2,933	-	-	-	-
Test Mean.....	44	45	33	3,462	3,205	2,571	11	40	-	-
L.S.D. (.10).....	12	9	7	854	705	572	-	-	-	-
C.V. (%).....	19	14	15	17	16	16	-	-	-	-

Table 3. Performance of Small Grains at Belle Mina, Alabama, 1993

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Wheat</u>					
Pioneer 2580.....	63	61.0	-	-	-
Pioneer 2548.....	63	59.9	53	-	-
Northrup King Coker 9543....	60	61.4	-	-	-
Pioneer 2566.....	60	60.4	-	-	-
Pioneer XW 514.....	59	61.9	-	-	-
Northrup King 9803.....	58	61.9	-	-	-
GA GORE.....	57	59.2	51	3,836	-
SC 850559.....	56	58.9	-	-	-
FFR 525W.....	56	60.8	51	-	-
Caldwell.....	55	60.0	45	3,946	5,158
Madison.....	54	59.5	47	2,889	4,180
Florida 302.....	54	59.4	45	3,709	3,626
Saluda.....	53	60.3	47	3,184	4,164
GA ANDY.....	52	59.2	-	3,327	-
Terral 101.....	52	58.2	49	-	-
Wakefield.....	51	59.4	49	3,242	4,285
Bayles.....	47	57.9	41	3,391	3,727
GA 100.....	45	58.4	-	2,978	-
Stoneville 350W.....	40	59.6	45	-	-
Northrup King Coker 9766....	-	-	-	3,837	3,945
Massey.....	-	-	-	3,486	4,263
Florida 304.....	-	-	-	3,436	-
Test Mean.....	54	-	48	3,447	4,169
L.S.D. (.10).....	9	-	7	801	533
C.V. (%).....	12	-	10	17	9
<u>Oats</u>					
Simpson.....	88	37.3	72	4,338	3,501
Ozark.....	87	37.0	-	3,293	-
Ga Mitchell.....	81	37.6	76	3,623	-
FFR SS 7630.....	78	38.5	75	-	-
Northrup King Coker 716....	72	37.2	68	3,731	3,110
Bob.....	71	39.0	-	3,058	-
833.....	-	-	-	4,161	3,228
Florida 501.....	-	-	-	3,682	-
Citation.....	-	-	-	3,484	3,033
Florida 502.....	-	-	-	3,330	-
Test Mean.....	79	-	73	3,633	3,218
L.S.D. (.10).....	10	-	16	461	315
C.V. (%).....	8	-	16	9	7

Continued

Table 3. Performance of Small Grains at Belle Mina, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Barley</u>					
Wysor.....	74	46.3	58	4,492	3,299
Sussex.....	71	46.1	50	4,511	3,312
Nomini.....	70	47.1	-	3,766	-
Venus.....	61	49.2	-	4,457	-
Clemson 100.....	-	-	-	4,018	-
VA 85-44-226.....	-	-	-	3,866	-
Test Mean.....	69	-	54	4,185	3,305
L.S.D. (.10).....	6	-	7	735	466
C.V. (%).....	6	-	9	12	10
<u>Rye</u>					
FL 8727-L1.....	-	-	-	6,358	-
Florida 401.....	-	-	-	5,218	-
Wren's Abruzzi AL.....	-	-	-	4,614	-
Florida 402.....	-	-	-	4,447	-
Bonel.....	-	-	-	4,401	-
Volunteer Magic.....	-	-	-	4,381	-
Graze King 90.....	-	-	-	4,263	-
Wintergrazer 70.....	-	-	-	4,100	-
AFC 20-20.....	-	-	-	3,908	-
Test Mean.....	-	-	-	4,632	-
L.S.D. (.10).....	-	-	-	926	-
C.V. (%).....	-	-	-	14	-
<u>Triticale</u>					
Stan II.....	69	-	39	-	-
Sunland.....	59	56.3	31	4,260	-
Beagle 82.....	56	49.5	-	4,464	3,089
Florida 201.....	55	52.6	-	4,838	-
Stan I.....	-	-	-	4,177	3,602
Test Mean.....	60	-	35	4,435	3,346
L.S.D. (.10).....	8	-	5	1,210	583
C.V. (%).....	8	-	11	17	13

Table 4. Performance of Small Grains at Crossville, Alabama, 1993

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat					
Pioneer XW 514.....	54	60.2	-	-	-
GA ANDY.....	53	59.0	-	2,609	-
GA GORE.....	51	56.8	41	2,827	-
Northrup King 9803.....	49	59.4	-	-	-
Saluda.....	47	59.7	41	2,269	-
Pioneer 2580.....	46	54.3	-	-	-
Bayles.....	46	55.2	37	2,422	-
Madison.....	46	56.7	38	2,531	-
Pioneer 2548.....	44	56.8	41	-	-
Northrup King Coker 9543....	43	59.4	-	-	-
SC 850559.....	43	55.9	-	-	-
Stoneville 350W.....	42	57.9	38	-	-
Florida 302.....	42	52.5	36	2,501	-
Wakefield.....	41	56.7	43	2,877	-
Caldwell.....	41	57.7	35	2,696	-
Pioneer 2566.....	40	59.1	-	-	-
FFR 525W.....	40	57.7	36	-	-
Terral 101.....	40	54.3	38	-	-
GA 100.....	39	55.7	-	2,456	-
Massey.....	-	-	-	2,789	-
Florida 304.....	-	-	-	2,690	-
Northrup King Coker 9766....	-	-	-	2,304	-
Test Mean.....	45	-	39	2,581	-
L.S.D. (.10).....	6	-	5	392	-
C.V. (%).....	11	-	10	11	-
Oats					
Simpson.....	102	34.9	81	2,321	1,965
Ga Mitchell.....	96	35.9	73	2,371	-
Bob.....	89	37.9	-	2,284	-
FFR SS 7630.....	87	35.9	90	-	-
Northrup King Coker 716.....	84	34.9	79	1,737	1,662
Ozark.....	81	35.6	-	1,914	-
833.....	-	-	-	2,472	1,899
Citation.....	-	-	-	2,257	1,874
Florida 501.....	-	-	-	2,222	-
Florida 502.....	-	-	-	1,551	-
Test Mean.....	90	-	81	2,125	1,850
L.S.D. (.10).....	16	-	17	226	219
C.V. (%).....	12	-	15	7	9

Continued

Table 4. Performance of Small Grains at Crossville, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Barley</u>					
Sussex.....	75	35.3	55	3,449	2,708
Nomini.....	74	43.3	-	3,098	-
Wysor.....	73	43.1	53	3,395	2,716
Venus.....	60	42.4	-	3,138	-
Clemson 100.....	-	-	-	3,166	-
VA 85-44-226.....	-	-	-	3,161	-
Test Mean.....	70	-	54	3,235	2,712
L.S.D. (.10).....	9	-	6	322	328
C.V. (%).....	8	-	8	7	9
<u>Rye</u>					
Bonel.....	-	-	-	4,499	3,535
Volunteer Magic.....	-	-	-	3,901	3,461
Wren's Abruzzi AL.....	-	-	-	3,876	2,982
FL 8727-L1.....	-	-	-	3,660	-
Florida 401.....	-	-	-	3,654	2,696
Wintergrazer 70.....	-	-	-	3,631	-
Graze King 90.....	-	-	-	3,559	3,251
AFC 20-20.....	-	-	-	3,513	3,377
Florida 402.....	-	-	-	3,267	2,959
Test Mean.....	-	-	-	3,729	3,180
L.S.D. (.10).....	-	-	-	397	442
C.V. (%).....	-	-	-	7	10
<u>Triticale</u>					
Stan II.....	54	44.4	50	-	-
Florida 201.....	45	56.6	-	2,568	-
Sunland.....	43	52.1	35	2,650	-
Beagle 82.....	40	53.0	-	2,595	-
Stan I.....	-	-	-	3,409	-
Test Mean.....	45	-	42	2,805	-
L.S.D. (.10).....	9	-	6	266	-
C.V. (%).....	13	-	10	6	-

Table 5. Performance of Small Grains at Winfield, Alabama, 1993

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Wheat</u>					
Pioneer 2548.....	55	47.5	39	-	-
Saluda.....	47	48.7	37	3,062	2,576
Northrup King Coker 9543.....	44	47.6	-	-	-
Northrup King 9803.....	44	47.1	-	-	-
Florida 302.....	41	47.6	33	2,935	2,147
GA ANDY.....	40	46.9	-	2,972	-
Wakefield.....	39	45.6	33	3,037	2,328
SC 850559.....	38	47.1	-	-	-
Pioneer 2580.....	38	45.6	-	-	-
FFR 525W.....	37	47.4	31	-	-
Stoneville 350W.....	37	47.1	31	-	-
Caldwell.....	36	49.7	29	3,409	2,607
Terral 101.....	35	41.4	30	-	-
Pioneer XW 514.....	32	44.3	-	-	-
Pioneer 2566.....	30	42.9	-	-	-
GA 100.....	30	43.5	-	2,620	-
Bayles.....	27	43.0	23	2,835	2,042
GA GORE.....	22	40.2	26	2,963	-
Madison.....	19	43.1	23	2,817	2,019
Florida 304.....	-	-	-	3,157	-
Massey.....	-	-	-	3,010	2,380
Northrup King Coker 9766.....	-	-	-	2,591	1,942
Test Mean.....	36	-	30	2,951	2,255
L.S.D. (.10).....	10	-	8	505	437
C.V. (%).....	20	-	19	12	14
<u>Oats</u>					
Northrup King Coker 716.....	48	29.5	48	2,969	-
Simpson.....	45	29.3	45	3,227	-
Ga Mitchell.....	42	31.0	49	2,841	-
Ozark.....	30	28.2	-	3,218	-
FFR SS 7630.....	30	28.0	38	-	-
Bob.....	23	27.4	-	2,416	-
Citation.....	-	-	-	3,087	-
833.....	-	-	-	2,970	-
Florida 502.....	-	-	-	2,687	-
Florida 501.....	-	-	-	2,682	-
Test Mean.....	36	-	45	2,900	-
L.S.D. (.10).....	11	-	8	882	-
C.V. (%).....	21	-	13	21	-

Continued

Table 5. Performance of Small Grains at Winfield, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993 Test Wt.		3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Barley</u>					
Wysor.....	-	-	-	3,707	2,608
Venus.....	-	-	-	3,494	-
Nomini.....	-	-	-	3,154	-
VA 85-44-226.....	-	-	-	2,944	-
Sussex.....	-	-	-	2,936	2,225
Clemson 100.....	-	-	-	2,891	-
Test Mean.....	-	-	-	3,188	2,417
L.S.D. (.10).....	-	-	-	765	547
C.V. (%).....	-	-	-	16	16
<u>Rye</u>					
AFC 20-20.....	-	-	-	4,187	-
Florida 401.....	-	-	-	3,761	-
FL 8727-L1.....	-	-	-	3,757	-
Bonel.....	-	-	-	3,725	-
Wintergrazer 70.....	-	-	-	3,569	-
Wren's Abruzzi AL.....	-	-	-	3,553	-
Graze King 90.....	-	-	-	3,526	-
Volunteer Magic.....	-	-	-	3,392	-
Florida 402.....	-	-	-	2,794	-
Test Mean.....	-	-	-	3,585	-
L.S.D. (.10).....	-	-	-	477	-
C.V. (%).....	-	-	-	9	-
<u>Triticale</u>					
Stan II.....	34	40.6	23	-	-
Florida 201.....	28	38.1	-	2,868	-
Sunland.....	23	37.0	19	3,229	-
Beagle 82.....	22	35.7	-	2,717	-
Stan I.....	-	-	-	3,774	-
Test Mean.....	27	-	21	3,147	-
L.S.D. (.10).....	20	-	9	1,101	-
C.V. (%).....	46	-	32	22	-

Table 6. Characteristics of Small Grains Tested in Central Alabama, 3-Year Summary

Brand-variety	Average Yield/Acre Grain Only			Average Yield/Acre Forage Only			1993 Average			Test Wt. Lb./Bu.
	1993	2-Yr.	3-Yr.	1993	2-Yr.	3-Yr.	Lodging Height	1/10	Date	
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.	Pct.	In.		
Wheat										
Stoneville 350W.....	53	59	50	-	-	-	0	35	4-20	54.1
Wakefield.....	39	57	50	3,616	4,004	3,624	4	34	4-23	52.9
GA GORE.....	34	50	44	4,649	4,490	3,994	0	30	4-18	54.9
Northrup King Coker 9766.....	41	51	44	3,532	3,740	3,396	0	32	4-25	52.1
Saluda.....	40	54	43	4,481	4,491	4,063	0	32	4-28	54.5
Florida 302.....	34	53	43	3,552	3,770	3,399	6	33	4-23	51.3
Bayles.....	36	52	43	4,288	4,160	3,668	0	30	4-21	52.9
GA 100.....	38	51	43	4,036	4,004	3,592	0	30	4-20	51.7
Caldwell.....	43	54	41	3,646	4,028	3,659	0	35	5- 2	53.9
GA ANDY.....	39	42	33	3,489	3,708	3,246	0	31	4-21	57.2
Pioneer 2566.....	54	-	-	-	-	-	0	34	4-24	55.6
Pioneer XW 514.....	47	-	-	-	-	-	0	31	4-18	56.7
Madison.....	42	-	-	3,149	3,667	3,293	0	32	4-17	54.8
Florida 304.....	40	55	-	4,573	-	-	0	34	4-22	53.9
SC 850559.....	36	-	-	-	-	-	0	31	4-26	54.1
DS 2368.....	35	50	-	-	-	-	1	30	4-19	53.4
Massey.....	-	-	-	4,526	4,263	3,804	-	-	-	-
Test Mean.....	41	52	43	3,961	4,030	3,613	1	32	-	-
L.S.D. (.10).....	12	13	9	922	738	583	-	-	-	-
C.V. (%).....	22	18	16	17	14	12	-	-	-	-
Oats										
Simpson.....	101	108	84	3,894	4,010	3,608	16	42	4-30	33.1
Citation.....	85	92	72	4,713	4,558	3,930	17	40	4-25	33.3
Ga Mitchell.....	76	87	70	4,208	4,145	-	1	32	4-23	33.1
Florida 501.....	34	53	44	4,013	4,202	3,439	17	34	4-15	28.5
Florida 502.....	26	49	44	3,922	3,942	3,275	10	32	4-15	28.6
Ozark.....	78	-	-	4,361	-	-	-	38	4-28	33.2
Bob.....	62	-	-	4,009	-	-	20	37	4-22	33.1
833.....	-	-	-	4,341	4,270	3,849	-	-	-	-
Northrup King Coker 227.....	-	-	-	4,052	4,040	3,716	-	-	-	-
Test Mean.....	66	78	63	4,168	4,167	3,636	14	36	-	-
L.S.D. (.10).....	16	16	13	478	499	468	-	-	-	-
C.V. (%).....	17	15	15	8	9	10	-	-	-	-
Rye										
Bonel.....	-	-	-	6,844	5,850	5,005	-	-	-	-
Wren's Abruzzi AL.....	-	-	-	6,340	5,705	4,844	-	-	-	-
Florida 402.....	-	-	-	6,211	5,546	4,844	-	-	-	-
Gurley Grazer 2000.....	-	-	-	5,879	5,478	4,744	-	-	-	-
Florida 401.....	-	-	-	6,304	5,644	-	-	-	-	-
Wintergrazer 70.....	-	-	-	6,211	-	-	-	-	-	-
CGI 90.....	-	-	-	6,151	-	-	-	-	-	-
FL 8727-L1.....	-	-	-	5,943	-	-	-	-	-	-
Test Mean.....	-	-	-	6,235	5,644	4,859	-	-	-	-
L.S.D. (.10).....	-	-	-	811	724	576	-	-	-	-
C.V. (%).....	-	-	-	9	9	9	-	-	-	-
Triticale										
Sunland.....	48	53	39	3,854	-	-	0	35	4-19	50.5
T-8910.....	39	48	37	-	-	-	0	34	4-15	50.7
Stan II.....	52	-	-	-	-	-	0	48	5- 6	44.1
Florida 201.....	45	-	-	4,137	3,984	3,123	0	37	4-15	47.8
Beagle 82.....	40	-	-	3,701	3,869	3,116	0	36	4-16	44.1
Test Mean.....	45	50	38	3,898	3,926	3,119	0	38	-	-
L.S.D. (.10).....	7	11	7	516	528	528	-	-	-	-
C.V. (%).....	11	16	14	9	10	12	-	-	-	-

Table 7. Performance of Small Grains at Marion Junction, Alabama, 1993

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Wheat</u>					
GA ANDY.....	-	-	-	4,783	3,804
Caldwell.....	-	-	-	4,222	2,683
Florida 304.....	-	-	-	4,141	-
GA GORE.....	-	-	-	4,091	2,918
Massey.....	-	-	-	4,082	3,010
Saluda.....	-	-	-	4,080	2,885
Bayles.....	-	-	-	4,047	2,874
Florida 302.....	-	-	-	3,953	2,794
Wakefield.....	-	-	-	3,698	2,722
GA 100.....	-	-	-	3,673	2,724
Madison.....	-	-	-	3,552	2,564
Northrup King Coker 9766.....	-	-	-	3,481	2,557
Test Mean.....	-	-	-	3,984	2,867
L.S.D. (.10).....	-	-	-	715	531
C.V. (%).....	-	-	-	13	14
<u>Oats</u>					
Ozark.....	-	-	-	4,834	-
Citation.....	-	-	-	4,632	2,734
833.....	-	-	-	4,519	2,519
Florida 502.....	-	-	-	4,488	2,443
Florida 501.....	-	-	-	4,458	2,398
Simpson.....	-	-	-	4,404	2,262
Ga Mitchell.....	-	-	-	4,365	-
Bob.....	-	-	-	3,980	-
Northrup King Coker 227.....	-	-	-	3,892	2,508
Test Mean.....	-	-	-	4,397	2,477
L.S.D. (.10).....	-	-	-	344	374
C.V. (%).....	-	-	-	5	11

Continued

Table 7. Performance of Small Grains at Marion Junction, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Rye</u>					
Florida 401.....	-	-	-	5,644	-
FL 8727-L1.....	-	-	-	5,051	-
Wren's Abruzzi AL.....	-	-	-	4,740	3,393
Bonel.....	-	-	-	4,458	2,628
Florida 402.....	-	-	-	4,412	-
CGI 90.....	-	-	-	4,144	-
Wintergrazer 70.....	-	-	-	4,098	-
Gurley Grazer 2000.....	-	-	-	3,950	2,653
Test Mean.....	-	-	-	4,562	2,891
L.S.D. (.10).....	-	-	-	497	695
C.V. (%).....	-	-	-	8	18
<u>Triticale</u>					
Florida 201.....	-	-	-	5,681	-
Beagle 82.....	-	-	-	5,142	-
Sunland.....	-	-	-	5,087	-
Test Mean.....	-	-	-	5,303	-
L.S.D. (.10).....	-	-	-	811	-
C.V. (%).....	-	-	-	9	-

Table 8. Performance of Small Grains at Prattville, Alabama, 1993

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Wheat</u>					
Pioneer 2566.....	46	54.3	-	-	-
Stoneville 350W.....	46	54.2	52	-	-
Caldwell.....	41	56.4	40	3,619	3,998
Madison.....	40	53.6	-	3,155	3,285
Pioneer XW 514.....	40	57.2	-	-	-
Bayles.....	39	52.2	49	3,101	3,315
GA 100.....	38	50.6	42	2,784	3,361
Saluda.....	38	55.3	40	3,969	3,976
GA ANDY.....	37	59.2	39	2,746	2,781
Northrup King Coker 9766.....	36	51.5	45	2,781	3,131
DS 2368.....	36	53.3	-	-	-
GA GORE.....	34	54.3	48	3,417	3,718
Florida 304.....	34	53.4	-	3,314	-
SC 850559.....	33	54.6	-	-	-
Wakefield.....	31	52.6	49	3,544	3,926
Florida 302.....	28	51.4	41	3,251	3,290
Massey.....	-	-	-	3,369	3,536
Test Mean.....	37	-	44	3,254	3,483
L.S.D. (.10).....	8	-	6	453	472
C.V. (%).....	16	-	10	10	10
<u>Oats</u>					
Simpson.....	70	33.8	73	4,488	4,177
Ga Mitchell.....	66	32.9	84	3,829	-
Citation.....	66	33.3	78	4,155	4,260
Ozark.....	58	33.6	-	4,313	-
Bob.....	53	35.0	-	4,185	-
Florida 501.....	46	30.0	63	3,262	3,603
Florida 502.....	38	32.6	66	3,390	3,355
833.....	-	-	-	3,967	3,961
Northrup King Coker 227.....	-	-	-	3,787	4,076
Test Mean.....	57	-	73	3,931	3,905
L.S.D. (.10).....	17	-	15	399	416
C.V. (%).....	20	-	16	7	8

Continued

Table 8. Performance of Small Grains at Prattville, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Rye</u>					
Bonel.....	-	-	-	4,754	4,619
Gurley Grazer 2000.....	-	-	-	4,582	4,511
Wintergrazer 70.....	-	-	-	4,518	-
FL 8727-L1.....	-	-	-	4,440	-
CGI 90.....	-	-	-	4,379	-
Florida 401.....	-	-	-	4,373	-
Wren's Abruzzi AL.....	-	-	-	4,328	4,235
Florida 402.....	-	-	-	3,861	4,097
Test Mean.....	-	-	-	4,404	4,365
L.S.D. (.10).....	-	-	-	454	379
C.V. (%).....	-	-	-	7	6
<u>Triticale</u>					
Stan II.....	52	48.6	-	-	-
Florida 201.....	46	48.0	-	3,265	-
Sunland.....	41	51.1	43	2,841	-
Beagle 82.....	37	45.2	-	2,736	-
T-8910.....	35	50.6	41	-	-
Test Mean.....	42	-	42	2,947	-
L.S.D. (.10).....	8	-	7	497	-
C.V. (%).....	13	-	11	10	-

Table 9. Performance of Small Grains at Tallassee, Alabama, 1993

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.*	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Wheat</u>					
Pioneer 2566.....	62	56.9	-	-	-
Stoneville 350W.....	59	54.0	-	-	-
Pioneer XW 514.....	55	56.1	-	-	-
Wakefield.....	48	53.1	55	3,607	4,222
Florida 304.....	46	54.4	-	6,263	-
Northrup King Coker 9766....	45	52.6	55	4,334	4,500
Caldwell.....	45	51.4	44	3,097	4,296
Madison.....	44	56.0	-	2,741	4,029
Saluda.....	42	53.7	43	5,395	5,329
GA ANDY.....	41	55.2	42	2,938	3,154
Florida 302.....	39	51.2	48	3,453	4,111
SC 850559.....	38	53.5	-	-	-
GA 100.....	37	52.8	46	5,650	4,691
DS 2368.....	35	53.5	-	-	-
GA GORE.....	34	55.5	49	6,439	5,346
Bayles.....	32	53.6	47	5,717	4,816
Massey.....	-	-	-	6,125	4,866
Test Mean.....	44	54.0	48	4,647	4,487
L.S.D. (.10).....	15	-	13	1,409	726
C.V. (%).....	25	-	21	22	12
<u>Oats</u>					
Simpson.....	132	32.4	91	2,791	4,190
Citation.....	104	33.2	70	5,351	4,903
Ozark.....	97	32.8	-	3,936	-
Ga Mitchell.....	85	33.2	-	4,431	-
Bob.....	71	31.1	-	3,863	-
Florida 501.....	23	27.1	-	4,318	4,453
Florida 502.....	14	24.6	-	3,889	4,092
833.....	-	-	-	4,537	4,980
Northrup King Coker 227.....	-	-	-	4,478	4,546
Test Mean.....	75	30.6	80	4,177	4,527
L.S.D. (.10).....	16	-	16	683	620
C.V. (%).....	15	-	14	11	10

Continued

Table 9. Performance of Small Grains at Tallassee, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1993	Test Wt.	3-Yr. Av.*	1993	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Rye</u>					
Bonel.....	-	-	-	11,322	7,608
Florida 402.....	-	-	-	10,360	6,816
Wintergrazer 70.....	-	-	-	10,017	-
Wren's Abruzzi AL.....	-	-	-	9,952	6,886
CGI 90.....	-	-	-	9,929	-
Gurley Grazer 2000.....	-	-	-	9,104	7,037
Florida 401.....	-	-	-	8,896	-
FL 8727-L1.....	-	-	-	8,338	-
Test Mean.....	-	-	-	9,740	7,087
L.S.D. (.10).....	-	-	-	1,307	606
C.V. (%).....	-	-	-	9	6
<u>Triticale</u>					
Sunland.....	54	49.9	46	3,635	-
Stan II.....	53	39.6	-	-	-
Florida 201.....	44	47.5	-	3,466	3,136
Beagle 82.....	42	43.0	-	3,226	3,319
T-8910.....	42	50.7	-	-	-
Test Mean.....	47	46.1	46	3,442	3,228
L.S.D. (.10).....	7	-	10	490	424
C.V. (%).....	10	-	16	8	9

* Data of 3-year averages are from 1990, 1992 & 1993.

Table 10. Characteristics of Small Grains Tested in Regular Planting
in Southern Alabama, 3-Year Summary

Brand-variety	Average Yield/Acre Grain Only			Average Yield/Acre Forage Only			1993 Average			
	1993	2-Yr.	3-Yr.	1993	2-Yr.	3-Yr.	Lodging	Height	1/10	Test Wt.
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.	Pct.	In.	Date	Lb./Bu.
Wheat										
Pioneer 2548.....	40	45	40	4,913	4,556	4,012	0	36	4-14	51.9
GA GORE.....	25	38	37	5,114	4,713	4,300	1	38	4-8	52.3
Wakefield.....	29	39	37	4,256	-	-	2	38	4-12	51.2
Northrup King Coker 9766....	16	34	35	-	-	-	12	33	4-6	47.4
Florida 302.....	20	34	31	4,253	4,124	3,904	6	33	4-1	46.9
Saluda.....	18	27	23	4,285	4,459	4,031	3	34	4-15	48.9
Northrup King Coker 9134....	36	45	-	-	-	-	4	38	4-12	51.8
Pioneer 2566.....	32	-	-	-	-	-	3	36	4-12	50.7
Northrup King Coker 9835....	31	-	-	-	-	-	5	30	3-31	50.1
Pioneer XW 514.....	25	-	-	-	-	-	1	32	3-29	53.2
SC 850559.....	24	-	-	-	-	-	5	34	3-11	49.8
Florida 304.....	22	-	-	5,005	-	-	3	35	4-6	50.0
Bayles.....	20	37	-	4,022	3,989	3,883	4	33	4-2	45.7
Madison.....	19	-	-	3,995	3,777	3,510	2	32	3-30	47.7
Stoneville 350W.....	19	-	-	-	-	-	5	35	4-4	47.6
DS 2368.....	18	36	-	-	-	-	4	32	3-28	48.0
GA 100.....	15	30	-	4,173	4,078	3,827	8	31	4-1	45.0
GA ANDY.....	12	-	-	3,538	3,550	3,223	2	33	3-8	49.2
Massey.....	-	-	-	4,038	4,116	3,964	-	-	-	-
Test Mean.....	24	36	34	4,327	4,151	3,850	4	34	-	-
L.S.D. (.10).....	5	6	6	614	582	527	-	-	-	-
C.V. (%).....	14	12	13	10	10	10	-	-	-	-
Oats										
Citation.....	38	67	71	5,272	5,176	4,748	54	43	4-10	27.7
Simpson.....	30	54	66	4,844	4,900	4,448	43	41	4-17	26.8
Ga Mitchell.....	45	75	-	4,960	4,968	-	20	37	4-9	28.5
Florida 502.....	20	42	-	4,585	4,580	4,034	10	40	4-2	28.5
Florida 501.....	18	-	-	4,614	4,636	4,176	25	38	4-1	26.3
FFR SS 7630.....	-	-	-	5,635	5,461	4,885	-	-	-	-
833.....	-	-	-	5,019	4,909	4,397	-	-	-	-
Ozark.....	-	-	-	4,740	-	-	-	-	-	-
Bob.....	-	-	-	4,291	-	-	-	-	-	-
Test Mean.....	30	59	69	4,884	4,947	4,448	30	40	-	-
L.S.D. (.10).....	14	13	13	1,002	796	685	-	-	-	-
C.V. (%).....	32	16	14	15	12	11	-	-	-	-

Continued

Table 10. Characteristics of Small Grains Tested in Regular Planting
in Southern Alabama, 3-Year Summary

Continued

Brand-variety	Average Yield/Acre Grain Only			Average Yield/Acre Forage Only			1993 Average			
	1993	2-Yr.	3-Yr.	1993	2-Yr.	3-Yr.	Lodging	Height	1/10	Test Wt.
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.	Pct.	In.	Date	Lb./Bu.
<u>Rye</u>										
GI 87.....	-	-	-	6,128	5,886	5,382	-	-	-	-
AFC 20-30.....	-	-	-	6,443	5,680	5,287	-	-	-	-
Wintergrazer 70.....	-	-	-	6,128	5,600	5,268	-	-	-	-
AFC 20-20.....	-	-	-	5,964	5,643	5,198	-	-	-	-
Bonel.....	-	-	-	6,126	5,612	5,140	-	-	-	-
AFC 20-10.....	-	-	-	5,796	5,464	5,098	-	-	-	-
Wren's Abruzzi AL.....	-	-	-	6,057	5,513	5,088	-	-	-	-
Florida 402.....	-	-	-	5,684	5,239	4,854	-	-	-	-
Florida 401.....	-	-	-	5,138	4,895	4,466	-	-	-	-
Dossco Grazer III.....	-	-	-	6,132	-	-	-	-	-	-
Sawan Grazer.....	-	-	-	6,016	5,527	-	-	-	-	-
GI 88.....	-	-	-	5,867	-	-	-	-	-	-
FL 8727-L1.....	-	-	-	5,080	-	-	-	-	-	-
Gainey SS 2.....	-	-	-	4,740	-	-	-	-	-	-
Test Mean.....	-	-	-	5,807	5,506	5,087	-	-	-	-
L.S.D. (.10).....	-	-	-	1,004	849	745	-	-	-	-
C.V. (%).....	-	-	-	13	11	11	-	-	-	-
<u>Triticale</u>										
Stan II.....	44	-	-	-	-	-	0	53	4-16	48.9
T-8910.....	19	35	-	-	-	-	1	40	2-13	45.0
Sunland.....	19	-	-	4,128	-	-	0	38	2-20	45.8
Beagle 82.....	17	-	-	4,057	3,998	3,508	5	39	2-14	40.2
Florida 201.....	16	33	-	3,732	3,714	3,399	3	42	2-7	41.0
Test Mean.....	23	34	-	3,972	3,856	3,453	2	42	-	-
L.S.D. (.10).....	3	6	-	1,088	900	802	-	-	-	-
C.V. (%).....	11	13	-	19	17	17	-	-	-	-

Table 11. Characteristics of Small Grains Tested in Late Planting in Southern Alabama, 3-Year Summary

Brand-variety	Average Yield/Acre Grain Only			1993 Average			
	Late	Planting		Lodging	Height	1/10	Test Wt.
	1993	2-Yr.	3-Yr.				
	Bu.	Bu.	Bu.				
<u>Wheat</u>							
GA ANDY.....	37	42	38	0	34	4-9	55.0
Bayles.....	35	42	37	1	34	4-14	51.2
GA GORE.....	39	42	36	1	38	4-20	53.0
Northrup King Coker 9766....	29	35	34	1	34	4-18	51.6
GA 100.....	34	38	33	4	33	4-18	53.1
Florida 302.....	33	36	29	1	37	4-17	52.3
Florida 304.....	43	46	-	0	38	4-18	53.7
Saluda.....	14	23	-	0	31	4-24	49.9
Test Mean.....	33	38	34	1	35	4-17	52.5
L.S.D. (.10).....	4	9	7	-	-	-	-
C.V. (%).....	9	18	16	-	-	-	-
<u>Oats</u>							
Ga Mitchell.....	61	75	72	8	36	4-16	31.6
Citation.....	48	65	67	25	41	4-16	28.2
Florida 502.....	41	59	59	3	37	4-10	30.5
Florida 501.....	31	50	54	35	39	4-10	26.9
Test Mean.....	45	62	63	17	38	4-13	29.3
L.S.D. (.10).....	10	12	12	-	-	-	-
C.V. (%).....	16	15	14	-	-	-	-
<u>Triticale</u>							
T-8910.....	29	41	38	0	39	3-22	49.1
Sunland.....	38	41	38	0	39	3-31	47.5
Florida 201.....	30	41	36	1	41	3-24	45.7
Test Mean.....	32	41	37	0	40	3-25	47.4
L.S.D. (.10).....	6	11	8	-	-	-	-
C.V. (%).....	13	19	15	-	-	-	-

Table 12. Performance of Small Grains at Camden, Alabama, 1993

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat								
Pioneer 2548.....	38	53.7	45	-	-	-	3,719	3,379
Northrup King Coker 9134....	35	53.3	-	-	-	-	-	-
Northrup King Coker 9835....	31	52.6	-	-	-	-	-	-
Wakefield.....	29	53.4	42	-	-	-	3,081	-
Pioneer XW 514.....	27	54.6	-	-	-	-	-	-
Pioneer 2566.....	26	52.2	-	-	-	-	-	-
Florida 302.....	25	48.0	42	20	50.4	28	3,294	3,347
SC 850559.....	25	52.8	-	-	-	-	-	-
Stoneville 350W.....	25	52.4	-	-	-	-	-	-
GA 100.....	23	47.8	-	26	51.9	33	3,052	3,134
Northrup King Coker 9766....	22	50.2	44	23	51.7	32	-	-
Bayles.....	21	48.4	-	24	48.6	36	2,522	3,095
DS 2368.....	21	52.0	-	-	-	-	-	-
Florida 304.....	20	50.8	-	29	54.7	40	4,061	-
Madison.....	19	50.4	-	-	-	-	2,995	2,837
GA GORE.....	17	52.2	36	32	55.7	38	3,560	3,350
GA ANDY.....	16	52.4	-	27	56.0	36	2,355	2,737
Saluda.....	16	49.3	29	11	47.6	22	3,354	3,428
Massey.....	-	-	-	-	-	-	2,619	3,175
Test Mean.....	24	-	40	24	-	33	3,147	3,165
L.S.D. (.10).....	4	-	5	2	-	5	623	494
C.V. (%).....	12	-	9	7	-	11	14	12
Oats								
Simpson.....	59	31.0	92	-	-	-	3,389	3,798
Citation.....	55	32.3	83	36	21.3	76	3,845	3,864
Ga Mitchell.....	47	28.1	-	40	30.6	73	3,671	-
Florida 502.....	25	27.6	-	16	24.6	52	2,901	3,130
Florida 501.....	24	22.6	-	17	23.7	55	3,032	3,378
FFR SS 7630.....	-	-	-	-	-	-	4,129	4,042
Ozark.....	-	-	-	-	-	-	3,523	-
833.....	-	-	-	-	-	-	3,304	3,527
Bob.....	-	-	-	-	-	-	3,171	-
Test Mean.....	42	-	87	27	-	64	3,440	3,623
L.S.D. (.10).....	7	-	10	7	-	10	658	543
C.V. (%).....	11	-	9	16	-	12	13	11

Continued

Table 12. Performance of Small Grains at Camden, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Rye</u>								
AFC 20-30.....	-	-	-	-	-	-	5,396	-
Sawan Grazer.....	-	-	-	-	-	-	5,323	-
GI 87.....	-	-	-	-	-	-	5,245	4,579
GI 88.....	-	-	-	-	-	-	4,994	-
Bonel.....	-	-	-	-	-	-	4,872	4,326
Wintergrazer 70.....	-	-	-	-	-	-	4,677	4,672
AFC 20-20.....	-	-	-	-	-	-	4,646	-
Dossco Grazer III.....	-	-	-	-	-	-	4,466	-
AFC 20-10.....	-	-	-	-	-	-	4,440	4,190
Wren's Abruzzi AL.....	-	-	-	-	-	-	4,182	4,197
Florida 402.....	-	-	-	-	-	-	4,140	-
Florida 401.....	-	-	-	-	-	-	4,067	-
FL 8727-L1.....	-	-	-	-	-	-	3,922	-
Gainey SS 2.....	-	-	-	-	-	-	3,124	-
Test Mean.....	-	-	-	-	-	-	4,535	4,393
L.S.D. (.10).....	-	-	-	-	-	-	706	613
C.V. (%).....	-	-	-	-	-	-	11	10
<u>Triticale</u>								
Stan II.....	35	57.6	-	-	-	-	-	-
Beagle 82.....	31	42.8	-	-	-	-	2,581	-
Sunland.....	31	50.0	-	28	50.2	41	2,406	-
T-8910.....	26	48.0	-	21	48.2	40	-	-
Florida 201.....	25	44.0	-	23	47.0	42	2,257	-
Test Mean.....	29	-	-	24	-	41	2,414	-
L.S.D. (.10).....	3	-	-	7	-	6	338	-
C.V. (%).....	6	-	-	16	-	11	8	-

Table 13. Performance of Small Grains at Monroeville, Alabama, 1993

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat								
Pioneer 2548.....	59	53.9	48	-	-	-	6,139	4,114
Northrup King Coker 9134....	49	55.8	-	-	-	-	-	-
Pioneer 2566.....	38	55.6	-	-	-	-	-	-
Wakefield.....	34	52.4	43	-	-	-	5,252	-
Saluda.....	32	54.6	31	31	55.8	33	5,600	3,830
GA GORE.....	31	55.7	47	65	58.7	44	5,598	3,836
Northrup King Coker 9835....	16	50.3	-	-	-	-	-	-
SC 850559.....	13	49.0	-	-	-	-	-	-
Madison.....	12	48.4	-	-	-	-	4,769	3,444
DS 2368.....	12	41.0	-	-	-	-	-	-
GA 100.....	12	47.1	-	65	55.9	52	4,845	3,688
Northrup King Coker 9766....	11	47.6	38	55	53.4	49	-	-
Stoneville 350W.....	11	50.4	-	-	-	-	-	-
Pioneer XW 514.....	10	51.9	-	-	-	-	-	-
Bayles.....	10	47.1	-	63	53.6	51	4,471	3,454
GA ANDY.....	8	48.5	-	57	54.7	45	4,097	2,863
Florida 302.....	8	46.7	29	62	54.8	44	5,465	3,812
Florida 304.....	8	48.4	-	56	56.1	52	5,308	-
Massey.....	-	-	-	-	-	-	4,884	3,953
Test Mean.....	21	-	39	57	-	46	5,130	3,666
L.S.D. (.10).....	5	-	7	6	-	10	408	292
C.V. (%).....	17	-	13	7	-	15	6	6
Oats								
Ga Mitchell.....	49	31.3	-	109	35.3	101	4,795	-
Citation.....	48	32.1	-	110	33.8	100	5,007	4,045
Florida 502.....	39	34.9	-	98	35.3	91	4,747	3,486
Simpson.....	37	28.4	-	-	-	-	4,430	3,679
Florida 501.....	34	30.4	-	73	31.6	73	4,720	3,502
FFR SS 7630.....	-	-	-	-	-	-	5,110	4,062
Ozark.....	-	-	-	-	-	-	4,912	-
833.....	-	-	-	-	-	-	4,761	3,902
Bob.....	-	-	-	-	-	-	4,338	-
Test Mean.....	41	-	-	97	-	91	4,758	3,779
L.S.D. (.10).....	24	-	-	20	-	15	560	456
C.V. (%).....	39	-	-	13	-	12	8	9

Continued

Table 13. Performance of Small Grains at Monroeville, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Rye</u>								
Sawan Grazer.....	-	-	-	-	-	-	6,479	-
AFC 20-30.....	-	-	-	-	-	-	6,315	4,569
Wintergrazer 70.....	-	-	-	-	-	-	6,239	4,513
Dossco Grazer III.....	-	-	-	-	-	-	6,139	-
Bonel.....	-	-	-	-	-	-	5,970	4,504
Florida 402.....	-	-	-	-	-	-	5,783	4,371
GI 88.....	-	-	-	-	-	-	5,774	-
AFC 20-10.....	-	-	-	-	-	-	5,455	4,269
Wren's Abruzzi AL.....	-	-	-	-	-	-	5,344	4,196
AFC 20-20.....	-	-	-	-	-	-	5,298	4,154
GI 87.....	-	-	-	-	-	-	5,186	4,228
FL 8727-L1.....	-	-	-	-	-	-	5,174	-
Gainey SS 2.....	-	-	-	-	-	-	5,105	-
Florida 401.....	-	-	-	-	-	-	4,533	3,590
Test Mean.....	-	-	-	-	-	-	5,628	4,266
L.S.D. (.10).....	-	-	-	-	-	-	1,039	644
C.V. (%).....	-	-	-	-	-	-	13	11
<u>Triticale</u>								
Stan II.....	65	48.4	-	-	-	-	-	-
T-8910.....	23	45.0	-	34	48.0	46	-	-
Florida 201.....	19	40.1	-	44	44.7	48	4,608	-
Sunland.....	18	44.0	-	50	49.2	46	3,847	-
Beagle 82.....	12	38.5	-	-	-	-	4,626	-
Test Mean.....	28	-	-	42	-	47	4,360	-
L.S.D. (.10).....	5	-	-	11	-	12	1,474	-
C.V. (%).....	13	-	-	15	-	18	19	-

Table 14. Performance of Small Grains at Brewton, Alabama, 1993

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat								
Northrup King Coker 9134.....	35	49.4	-	-	-	-	-	-
Pioneer 2548.....	31	47.0	28	-	-	-	3,080	2,741
Wakefield.....	23	48.7	26	-	-	-	3,222	-
Pioneer 2566.....	23	41.3	-	-	-	-	-	-
GA GORE.....	20	49.6	25	33	45.1	29	3,327	2,941
Northrup King Coker 9835.....	18	44.0	-	-	-	-	-	-
Pioneer XW 514.....	14	46.1	-	-	-	-	-	-
Saluda.....	13	43.1	16	8	48.2	18	2,647	2,859
Florida 302.....	13	42.9	20	31	52.0	24	2,883	2,983
DS 2368.....	13	47.0	-	-	-	-	-	-
Florida 304.....	11	45.4	-	41	48.2	32	3,214	-
SC 850559.....	9	43.9	-	-	-	-	-	-
Madison.....	9	42.1	-	-	-	-	2,563	2,505
Bayles.....	9	40.6	-	23	52.5	28	3,008	2,827
Stoneville 350W.....	8	45.6	-	-	-	-	-	-
Northrup King Coker 9766.....	7	41.5	21	27	49.7	32	-	-
GA ANDY.....	5	43.6	-	21	54.3	27	2,366	2,393
GA 100.....	5	40.5	-	26	53.2	24	2,904	2,883
Massey.....	-	-	-	-	-	-	2,836	2,810
Test Mean.....	15	-	23	26	-	27	2,914	2,771
L.S.D. (.10).....	3	-	4	4	-	7	272	350
C.V. (%).....	14	-	14	12	-	19	7	9
Oats								
Ga Mitchell.....	56	29.2	-	48	32.4	59	3,311	-
Citation.....	37	25.1	-	33	30.4	57	3,627	3,594
Simpson.....	21	26.2	-	-	-	-	3,053	3,115
Florida 501.....	8	27.9	-	7	28.4	46	3,256	3,151
Florida 502.....	8	29.9	-	12	31.0	43	3,294	2,893
FFR SS 7630.....	-	-	-	-	-	-	3,618	3,356
833.....	-	-	-	-	-	-	3,358	3,252
Bob.....	-	-	-	-	-	-	3,061	-
Ozark.....	-	-	-	-	-	-	3,011	-
Test Mean.....	26	-	-	25	-	51	3,288	3,227
L.S.D. (.10).....	15	-	-	5	-	11	239	320
C.V. (%).....	38	-	-	12	-	15	5	7

Continued

Table 14. Performance of Small Grains at Brewton, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Rye								
Wintergrazer 70.....	-	-	-	-	-	-	4,679	4,210
AFC 20-30.....	-	-	-	-	-	-	4,658	4,030
Dossco Grazer III.....	-	-	-	-	-	-	4,617	-
GI 88.....	-	-	-	-	-	-	4,598	-
AFC 20-10.....	-	-	-	-	-	-	4,556	3,922
GI 87.....	-	-	-	-	-	-	4,509	4,045
Wren's Abruzzi AL.....	-	-	-	-	-	-	4,499	4,054
Bonel.....	-	-	-	-	-	-	4,345	3,783
Sawan Grazer.....	-	-	-	-	-	-	4,298	-
Florida 402.....	-	-	-	-	-	-	4,293	3,817
AFC 20-20.....	-	-	-	-	-	-	4,274	4,016
Florida 401.....	-	-	-	-	-	-	4,099	3,667
FL 8727-L1.....	-	-	-	-	-	-	3,730	-
Gainey SS 2.....	-	-	-	-	-	-	3,705	-
Test Mean.....	-	-	-	-	-	-	4,347	3,949
L.S.D. (.10).....	-	-	-	-	-	-	340	421
C.V. (%).....	-	-	-	-	-	-	6	8
Triticale								
Stan II.....	51	45.9	-	-	-	-	-	-
Sunland.....	12	43.6	-	29	48.6	24	2,916	-
T-8910.....	10	42.2	-	26	48.8	30	-	-
Beagle 82.....	9	36.5	-	-	-	-	2,715	-
Florida 201.....	5	37.9	-	25	43.1	23	2,585	-
Test Mean.....	18	-	-	27	-	26	2,739	-
L.S.D. (.10).....	4	-	-	3	-	4	349	-
C.V. (%).....	14	-	-	7	-	12	7	-

Table 15. Performance of Small Grains at Headland, Alabama, 1993

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
<u>Wheat</u>								
GA GORE.....	-	-	-	-	-	-	7,344	6,272
Florida 304.....	-	-	-	-	-	-	7,168	-
Pioneer 2548.....	-	-	-	-	-	-	6,074	5,031
GA 100.....	-	-	-	-	-	-	5,647	5,251
Bayles.....	-	-	-	-	-	-	5,543	5,578
Massey.....	-	-	-	-	-	-	5,108	5,080
Florida 302.....	-	-	-	-	-	-	5,019	4,938
Madison.....	-	-	-	-	-	-	5,016	4,679
GA ANDY.....	-	-	-	-	-	-	4,896	4,546
Saluda.....	-	-	-	-	-	-	4,870	5,394
Wakefield.....	-	-	-	-	-	-	4,867	-
Test Mean.....	-	-	-	-	-	-	5,596	5,196
L.S.D. (.10).....	-	-	-	-	-	-	1,076	787
C. V. (%).....	-	-	-	-	-	-	14	11
<u>Oats</u>								
FFR SS 7630.....	-	-	-	-	-	-	9,505	7,553
Citation.....	-	-	-	-	-	-	8,836	7,243
Simpson.....	-	-	-	-	-	-	8,678	7,062
833.....	-	-	-	-	-	-	8,460	6,436
Ga Mitchell.....	-	-	-	-	-	-	8,398	-
Florida 501.....	-	-	-	-	-	-	7,913	6,610
Florida 502.....	-	-	-	-	-	-	7,717	6,533
Ozark.....	-	-	-	-	-	-	7,626	-
Bob.....	-	-	-	-	-	-	6,864	-
Test Mean.....	-	-	-	-	-	-	8,222	6,906
L.S.D. (.10).....	-	-	-	-	-	-	2,132	1,269
C.V. (%).....	-	-	-	-	-	-	18	13
<u>Rye</u>								
Wren's Abruzzi AL.....	-	-	-	-	-	-	10,706	8,168
AFC 20-30.....	-	-	-	-	-	-	9,883	8,033
Bonel.....	-	-	-	-	-	-	9,706	7,987
AFC 20-20.....	-	-	-	-	-	-	9,689	8,145
GI 87.....	-	-	-	-	-	-	9,455	8,367
Dossco Grazer III.....	-	-	-	-	-	-	9,293	-
Wintergrazer 70.....	-	-	-	-	-	-	9,255	7,867
Florida 401.....	-	-	-	-	-	-	9,122	7,661
FL 8727-L1.....	-	-	-	-	-	-	8,831	-
Florida 402.....	-	-	-	-	-	-	8,722	7,137
AFC 20-10.....	-	-	-	-	-	-	8,383	7,623
Sawan Grazer.....	-	-	-	-	-	-	8,290	-
GI 88.....	-	-	-	-	-	-	8,049	-
Gainey SS 2.....	-	-	-	-	-	-	7,512	-
Test Mean.....	-	-	-	-	-	-	9,064	7,888
L.S.D. (.10).....	-	-	-	-	-	-	1,831	1,203
C.V. (%).....	-	-	-	-	-	-	15	11
<u>Triticale</u>								
Sunland.....	-	-	-	-	-	-	7,913	-
Beagle 82.....	-	-	-	-	-	-	6,711	-
Florida 201.....	-	-	-	-	-	-	5,756	-
Test Mean.....	-	-	-	-	-	-	6,793	-
L.S.D. (.10).....	-	-	-	-	-	-	2,504	-
C.V. (%).....	-	-	-	-	-	-	21	-

Table 16. Performance of Small Grains at Fairhope, Alabama, 1993

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
Wheat								
Northrup King Coker 9835.....	61	53.3	-	-	-	-	-	-
Florida 304.....	51	55.3	-	47	55.6	-	5,273	-
Pioneer XW 514.....	50	60.1	-	-	-	-	-	-
SC 850559.....	48	53.6	-	-	-	-	-	-
Bayles.....	40	46.7	45	28	50.1	-	4,567	-
Pioneer 2566.....	39	53.6	-	-	-	-	-	-
Madison.....	37	49.7	-	-	-	-	4,634	-
GA GORE.....	34	51.8	47	28	52.6	-	5,741	-
Florida 302.....	34	50.1	38	19	52.0	-	4,605	-
Stoneville 350W.....	33	42.0	-	-	-	-	-	-
Pioneer 2548.....	32	53.1	41	-	-	-	5,553	-
Wakefield.....	29	50.2	41	-	-	-	4,858	-
Northrup King Coker 9134.....	27	48.6	-	-	-	-	-	-
DS 2368.....	27	52.1	-	-	-	-	-	-
Northrup King Coker 9766.....	23	50.1	40	11	51.6	-	-	-
GA 100.....	23	44.7	40	19	51.2	-	4,418	-
GA ANDY.....	20	52.2	-	45	54.8	-	3,976	-
Saluda.....	10	48.5	18	8	48.0	-	4,953	-
Massey.....	-	-	-	-	-	-	4,743	-
Test Mean.....	34	-	39	26	-	-	4,847	-
L.S.D. (.10).....	6	-	6	3	-	-	496	-
C.V. (%).....	13	-	11	8	-	-	7	-
Oats								
Ga Mitchell.....	29	25.3	-	45	28.2	-	4,625	-
Citation.....	13	21.3	43	12	27.3	-	5,045	4,995
Florida 502.....	11	21.8	41	38	31.3	-	4,267	4,129
Florida 501.....	7	24.4	-	27	23.8	-	4,146	4,240
Simpson.....	5	21.6	9	-	-	-	4,669	4,584
FFR SS 7630.....	-	-	-	-	-	-	5,813	5,412
833.....	-	-	-	-	-	-	5,212	4,868
Ozark.....	-	-	-	-	-	-	4,628	-
Bob.....	-	-	-	-	-	-	4,021	-
Test Mean.....	13	-	31	30	-	-	4,714	4,705
L.S.D. (.10).....	4	-	14	5	-	-	416	452
C.V. (%).....	19	-	33	11	-	-	6	7

Continued

Table 16. Performance of Small Grains at Fairhope, Alabama, 1993

Continued

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1993	3-Yr. Av.
	1993	Test Wt.	3-Yr. Av.	1993	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Rye</u>								
GI 87.....	-	-	-	-	-	-	6,243	5,693
AFC 20-10.....	-	-	-	-	-	-	6,149	5,484
Dossco Grazer III.....	-	-	-	-	-	-	6,148	-
AFC 20-30.....	-	-	-	-	-	-	5,961	5,141
GI 88.....	-	-	-	-	-	-	5,921	-
AFC 20-20.....	-	-	-	-	-	-	5,911	5,344
Wintergrazer 70.....	-	-	-	-	-	-	5,789	5,078
Bonel.....	-	-	-	-	-	-	5,737	5,099
Sawan Grazer.....	-	-	-	-	-	-	5,692	-
Wren's Abruzzi AL.....	-	-	-	-	-	-	5,553	4,824
Florida 402.....	-	-	-	-	-	-	5,483	4,838
Gainey SS 2.....	-	-	-	-	-	-	4,253	-
Florida 401.....	-	-	-	-	-	-	3,868	3,525
FL 8727-L1.....	-	-	-	-	-	-	3,741	-
Test Mean.....	-	-	-	-	-	-	5,461	5,003
L.S.D. (.10).....	-	-	-	-	-	-	548	586
C.V. (%).....	-	-	-	-	-	-	7	9
<u>Triticale</u>								
Stan II.....	26	43.7	-	-	-	-	-	-
T-8910.....	19	44.9	-	35	51.5	-	-	-
Beagle 82.....	17	42.8	-	-	-	-	3,651	3,497
Sunland.....	17	45.6	-	45	42.0	-	3,558	-
Florida 201.....	15	42.0	35	28	47.8	-	3,456	3,536
Test Mean.....	19	-	35	36	-	-	3,555	3,516
L.S.D. (.10).....	3	-	4	7	-	-	598	592
C.V. (%).....	9	-	8	11	-	-	10	12

Table 17. Septoria Blotch Ratings for Wheat Varieties in Alabama, 1992-93¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles.....	6.0	3.5	4.8
Caldwell.....	3.7	2.0	-
DS 2368.....	-	4.0	4.8
FFR 525W.....	6.0	-	-
Florida 302.....	5.7	4.0	4.5
Florida 304.....	-	3.5	4.8
GA-100.....	4.7	4.0	5.0
GA-Andy.....	5.3	3.5	5.8
GA-Gore.....	4.3	4.5	2.3
Madison.....	4.7	3.0	4.8
Northrup King Coker 9134.....	-	-	1.8
Northrup King Coker 9543.....	4.7	-	-
Northrup King Coker 9766.....	-	2.5	4.5
Northrup King Coker 9803.....	5.3	-	-
Northrup King Coker 9835.....	-	-	3.0
Pioneer 2548.....	5.7	-	3.0
Pioneer 2566.....	3.3	2.0	2.3
Pioneer 2580.....	5.7	-	-
Pioneer XW 514.....	4.3	4.0	3.8
SC 850559.....	4.7	3.0	4.0
Saluda.....	5.7	4.5	3.3
Stoneville 350W.....	4.7	4.0	4.8
Terral 101.....	5.0	-	-
Wakefield.....	4.3	3.0	3.8

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

Table 18. Leaf Rust Ratings for Wheat Varieties in Alabama, 1992-93¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles.....	0.7	2.5	2.0
Caldwell.....	1.3	1.5	-
DS 2368.....	-	3.0	5.0
FFR 525W.....	4.0	-	-
Florida 302.....	3.7	2.5	4.5
Florida 304.....	-	1.0	1.0
GA-100.....	4.3	1.0	6.0
GA-Andy.....	1.7	3.0	4.3
GA-Gore.....	0.0	1.0	1.0
Madison.....	3.3	3.0	5.3
Northrup King Coker 9134...	-	-	0.5
Northrup King Coker 9543...	1.7	-	-
Northrup King Coker 9766...	-	1.5	6.0
Northrup King Coker 9803...	1.3	-	-
Northrup King Coker 9835...	-	-	2.8
Pioneer 2548.....	3.0	-	1.0
Pioneer 2566.....	0.0	1.5	0.8
Pioneer 2580.....	2.7	-	-
Pioneer XW 514.....	2.7	1.5	2.0
SC 850559.....	0.3	0.0	3.3
Saluda.....	5.7	3.0	5.8
Stoneville 350W.....	3.7	3.0	4.5
Terral 101.....	1.3	-	-
Wakefield.....	0.7	1.5	2.8

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

Table 19. Powdery Mildew Ratings for Wheat Varieties in Alabama, 1992-93¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles.....	0.0	0.0	0.3
Caldwell.....	3.3	2.5	-
DS 2368.....	-	0.0	0.3
FFR 525W.....	2.3	-	-
Florida 302.....	0.0	3.0	0.0
Florida 304.....	-	0.0	1.7
GA-100.....	0.0	0.5	0.0
GA-Andy.....	0.3	1.0	1.5
GA-Gore.....	0.0	2.0	1.5
Madison.....	1.3	1.5	0.3
Northrup King Coker 9134.....	-	-	1.0
Northrup King Coker 9543.....	1.0	-	-
Northrup King Coker 9766.....	-	0.0	1.0
Northrup King Coker 9803.....	0.3	-	-
Northrup King Coker 9835.....	-	-	1.0
Pioneer 2548.....	1.7	-	0.0
Pioneer 2566.....	0.0	0.0	0.8
Pioneer 2580.....	2.3	-	-
Pioneer XW 514.....	0.0	0.0	0.8
SC 850559.....	0.0	1.5	1.3
Saluda.....	2.0	3.5	0.0
Stoneville 350W.....	1.3	2.5	0.0
Terral 101.....	0.0	-	-
Wakefield.....	2.7	3.5	1.0

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

Table 20. Barley Yellow Dwarf Ratings for Wheat Varieties in Alabama, 1992-93¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles.....	30.0	15.0	26.3
Caldwell.....	T	0.0	-
DS 2368.....	-	T	10.0
FFR 525W.....	15.0	-	-
Florida 302.....	1.7	5.0	T
Florida 304.....	-	12.5	T
GA-100.....	13.3	12.5	15.5
GA-Andy.....	15.0	12.5	0.0
GA-Gore.....	16.7	0.0	0.0
Madison.....	10.0	2.5	2.5
Northrup King Coker 9134....	-	-	T
Northrup King Coker 9543....	15.0	-	-
Northrup King Coker 9766....	-	20.0	18.8
Northrup King Coker 9803....	1.7	-	-
Northrup King Coker 9835....	-	-	25.0
Pioneer 2548.....	0.0	-	T
Pioneer 2566.....	3.3	2.5	5.3
Pioneer 2580.....	1.7	-	-
Pioneer XW 514.....	13.3	7.5	2.5
SC 850559.....	5.0	T	T
Saluda.....	5.0	2.5	3.3
Stoneville 350W.....	5.0	2.5	10.0
Terral 101.....	1.7	-	-
Wakefield.....	16.7	7.5	16.3

¹Percent symptomatic plants. T=trace.

Table 21. Soilborne Mosaic Ratings for Wheat Varieties in Alabama, 1992-93¹

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles.....	0.0	T	T
Caldwell.....	0.0	0.0	-
DS 2368.....	-	0.0	22.5
FFR 525W.....	0.0	-	-
Florida 302.....	0.0	10.0	33.8
Florida 304.....	-	7.5	62.5
GA-100.....	0.0	5.0	0.0
GA-Andy.....	0.0	5.0	26.7
GA-Gore.....	0.0	15.0	2.5
Madison.....	0.0	12.5	17.5
Northrup King Coker 9134....	-	-	T
Northrup King Coker 9543....	0.0	-	-
Northrup King Coker 9766....	-	0.0	15.0
Northrup King Coker 9803....	0.0	-	-
Northrup King Coker 9835....	-	-	10.3
Pioneer 2548.....	0.0	-	2.5
Pioneer 2566.....	0.0	0.0	T
Pioneer 2580.....	0.0	-	-
Pioneer XW 514.....	0.0	0.0	15.0
SC 850559.....	0.0	2.5	7.5
Saluda.....	0.0	T	T
Stoneville 350W.....	0.0	2.5	T
Terral 101.....	0.0	-	-
Wakefield.....	0.0	T	7.5

¹Percent symptomatic plants. T=trace.

Table 22. Soilborne Mosaic Ratings for Wheat Varieties in On-Farm Tests in Alabama, 1992-93¹

Brand-variety	Farm 1 Autauga County	Farm 2 Madison County
Bayles.....	3.1	27.1
Caldwell.....	5.8	4.4
DS 2368.....	28.0	42.7
FFR 525W.....	27.6	26.7
Florida 302.....	34.7	36.0
Florida 304.....	10.7	20.4
GA-100.....	6.7	11.6
GA-Andy.....	14.2	20.0
GA-Gore.....	41.3	16.9
Madison.....	16.0	22.2
McNair 1003.....	21.8	32.9
Northrup King Coker 9543.....	9.3	8.0
Northrup King Coker 9766.....	2.7	2.7
Northrup King Coker 9803.....	5.8	8.4
Pioneer 2548.....	18.2	19.1
Pioneer 2566.....	9.8	30.7
Pioneer 2580.....	6.2	21.8
Pioneer XW 514.....	4.9	7.1
Saluda.....	20.0	16.9
SC 850559.....	12.0	4.4
Stoneville 350W.....	10.2	8.4
Terral 101.....	14.7	8.9
Wakefield.....	24.4	21.3

¹Percent symptomatic plants.

Table 23. Disease Ratings for Barley Varieties in Northern Alabama, 1992-93¹

Brand-variety	Stripe	Spot blotch	Net blotch	Septoria blotch
Nomini.....	0.7	3.0	1.0	1.0
Sussex.....	1.0	3.7	2.7	3.0
Venus.....	0.7	2.7	1.3	2.3
Wysor.....	0.7	2.0	1.0	2.0

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

Table 24. Disease Ratings for Triticale Varieties in Alabama, 1992-93¹

Brand-variety	Leaf rust	Septoria blotch
<u>Northern Alabama</u>		
Beagle 82.....	0.7	4.3
Florida 201.....	0.0	5.7
Stan II.....	0.0	1.0
Sunland.....	0.0	4.7
<u>Central Alabama</u>		
Morrison.....	1.5	2.5
Sunland.....	3.0	1.3
T-8910.....	0.5	1.0
Thomas.....	1.5	1.0
<u>Southern Alabama</u>		
Beagle 82.....	4.0	4.3
Florida 201.....	3.0	4.5
Stan II.....	0.0	1.5
Sunland.....	0.3	4.3
T-8910.....	1.8	4.8

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

Table 25. Disease Ratings for Oat Varieties in Alabama, 1992-93

Brand-variety	Helminthosporium leaf spot ¹	Leaf rust ¹	Barley yellow dwarf ²	Septoria blotch ²
<u>Northern Alabama</u>				
Bob.....	3.7	0.3	3.3	3.3
FFR SS 7630.....	3.0	1.3	1.7	3.3
GA Mitchell.....	5.0	0.0	13.3	3.3
Northrup King				
Coker 716.....	3.7	0.7	13.3	2.7
Ozark.....	4.3	0.0	11.7	3.3
Simpson.....	4.7	1.3	10.0	4.0
<u>Central Alabama</u>				
Bob.....	2.5	0.0	5.0	1.5
Citation.....	4.0	0.0	5.0	2.0
Florida 501.....	4.5	0.5	7.5	3.0
Florida 502.....	4.5	0.0	10.0	3.5
GA-Mitchell.....	2.5	0.0	10.0	3.0
Ozark.....	3.5	0.0	7.5	2.5
Simpson.....	2.0	0.0	T	1.5
<u>Southern Alabama</u>				
Citation.....	3.8	3.3	10.0	1.8
Florida 501.....	4.5	4.8	28.8	2.5
Florida 502.....	3.3	2.8	30.0	2.5
GA-Mitchell.....	3.3	1.5	10.0	1.8
Simpson.....	3.3	4.3	17.5	2.0

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

²Percent plants affected. T=trace.

VARIETIES RECOMMENDED FOR GRAIN ONLY

Recommendations are based on 3-year regional average yields of grain. Varieties are listed in descending order of yield. For disease ratings, see tables 17-25. For lodging, plant height, and maturity ratings, see tables 2, 6, 10, and 11.

WHEAT

NORTH

Pioneer 2548
Wakefield
Saluda
GA Gore
FFR 525W
Terral 101
Florida 302
Northrup King
Coker 9543 **

CENTRAL

Stoneville 350W
Wakefield
GA Gore
Northrup King
Coker 9766
Saluda
Florida 302
GA 100
Bayles

SOUTH

Regular Planting
Pioneer 2548
GA Gore
Wakefield
Northrup King
Coker 9766
Northrup King
Coker 9134 **

Late Planting

GA Andy
Bayles
GA Gore
Florida 304 **

OAT

NORTH

FFR SS 7630
Simpson
GA Mitchell
Northrup King
Coker 716

CENTRAL

Simpson
Citation
GA Mitchell

SOUTH

Citation
Simpson
GA Mitchell **

Continued

TRITICALE

NORTH
Stan II

CENTRAL
Sunland

SOUTH
Late-Planting
Sunland
Florida 201

BARLEY

NORTH
Wysor
Sussex

*If present trends continue, this variety will be removed from the recommended list for grain only next year in the region indicated.

**Conditionally recommended on 2 years' data.

For those who wish to graze small grains before grain harvest, varietal selection should be from those varieties recommended either for grain or for forage. Some varieties are recommended for both uses, but if not, the relative importance of grain or forage to the individual farmer should be the major consideration for varietal selection.

CHARACTERISTICS OF RECOMMENDED VARIETIES

WHEAT

Brand-variety	Resistance				Maturity	Test Weight
	Leaf Rust	Powdery Mildew	Glume Blotch	Hessian Fly		
FFR 525W.....	Poor	Poor	Poor	Poor	Medium	Good
Florida 302.....	Poor	Poor	Fair	Poor	Late	Good
Florida 304.....	Fair	Poor	Poor	Good	Medium	Fair
GA-Andy.....	Fair	Good	Fair	Good	Early	Good
GA-Bayles.....	Fair	Fair	Poor	Good	Medium	Fair
GA-Gore.....	Good	Good	Good	Good	Medium	Good
GA-100.....	Fair	Fair	Poor	Good	Medium	Fair
Northrup King Coker 9134.....	Good	Fair	Good	Good	Medium	Good
Northrup King Coker 9543.....	Fair	Fair	Fair	Good	Medium	Good
Northrup King Coker 9766.....	Poor	Fair	Fair	Good	Late	Good
Pioneer 2548.....	Fair	Fair	Fair	Poor	Late	Good
Saluda.....	Poor	Poor	Good	Good	Late	Good
Stoneville 350W...	Poor	Fair	Poor	Poor	Medium	Good
Terral 101.....	Fair	Good	Poor	Poor	Late	Fair
Wakefield.....	Fair	Good	Good	Poor	Late	Good

OAT

Brand-variety	Cold Hardiness	Maturity	Test Weight ³
Citation.....	Good	Medium	Good
FFR SS 7630.....	Fair	Early	Good
GA-Mitchell.....	Fair	Medium	Fair
Northrup King Coker 716.....	Good	Late	Good
Simpson.....	Good	Medium	Good

VARIETIES RECOMMENDED FOR FORAGE ONLY

Variety recommendations for the three regions are based on 3-year regional averages of full-season forage yield. Varieties are listed in alphabetical order.

WHEAT

NORTH

Caldwell+
Northrup King
Coker 9766
Florida 304
Saluda
Wakefield

CENTRAL

Bayles
Caldwell+
GA 100
Ga Gore
Massey
Saluda
Wakefield

SOUTH

Bayles
Florida 302
Florida 304
GA 100
GA Gore
Massey
Pioneer 2548
Saluda+

OATS

NORTH

Citation
GA Mitchell **
Northrup King
Coker 716
Simpson
833

CENTRAL

Citation
Florida 501
GA Mitchell **
Northrup King
Coker 227
Ozark
Simpson

SOUTH

Citation
FFR SS 7630
Simpson
833

TRITICALE

NORTH

Florida 201
Stan I *

CENTRAL

Beagle 82
Florida 201

SOUTH

Beagle 82
Florida 201

BARLEY

NORTH

Clemson 100 **
Sussex
Wysor

Continued

RYE

NORTH

AFC 20-20
Bonel
Graze King 90
Volunteer Magic

CENTRAL

Bonel
Florida 402
Gurley Grazer 2000
Wren's Abruzzi AL

SOUTH

AFC 20-10
AFC 20-20
AFC 20-30
Bonel
Florida 402
GI 87
Wintergrazer 70
Wren's Abruzzi AL

*If present trends continue, this variety will be removed from the recommended list for forage only next year in the region indicated.

**Conditionally recommended on 2 years' data.

For those who wish to harvest grain following grazing, varietal selection should be from those varieties recommended either for grain or for forage. Some varieties are recommended for both uses, but if not, the relative importance of forage or grain to the individual farmer should be the major consideration for varietal selection.

+Although these varieties produce high total forage yields, early season forage production may be low.

SOURCES OF SEED

WHEAT

Caldwell	Univ. of Missouri, Columbia, Missouri
Bayles, GA-Andy GA-Gore, GA-100	Univ. of Georgia, Georgia Station, Griffin, Georgia
Coker (all varieties, brands, and hybrids)	Northrup King Co., Grifton, North Carolina
DS 2368	Delhi Seed Company Delhi, Louisiana
FFR 525W	Alabama Farmer's Coop., Inc. Decatur, Alabama
Florida 302, Florida 304	Univ. of Florida, Agric. Res. Ctr., Quincy, Florida
Massey, Madison, Wakefield	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Pioneer (all varieties, brands, and hybrids)	Pioneer Hi-Bred International, Inc. Tipton, Indiana
Saluda	Alabama Crop Improvement Assoc. Auburn, Alabama
SC 850559	South Carolina Crop Impr. Assoc. Clemson, South Carolina
Stoneville 350	Stoneville Pedigreed Seed, Inc. Stoneville, Mississippi
Terral 101	Terral-Norris Seed Co. Lake Providence, Louisiana
<u>OATS</u>	
Bob, Ozark	Univ. of Arkansas Fayetteville, Arkansas
Citation	Terral-Norris Seed Co. Lake Providence, Louisiana
Coker (all varieties, brands, and hybrids)	Northrup King Co. Grifton, North Carolina

FFR SS 7630	Alabama Farmer's Coop., Inc. Decatur, Alabama
Florida 501, Florida 502	Univ. of Florida Agric. Res. Ctr. Quincy, Florida
GA-Mitchell	Coastal Plain Experiment Station Tifton, Georgia
Simpson	South Carolina Crop Impr. Assoc. Clemson, South Carolina
833	Arkansas County Seed Stuttgart, Arkansas
<u>RYE</u>	
AFC 20-10, AFC 20-20	Alabama Farmer's Coop., Inc. Decatur, Alabama
AFC 20-30, Dossco Grazer II Graze King 90, Sawan Grazer Volunteer Magic	Raymond Gurley II Selma, North Carolina
Bonel, Wren's Abruzzi AL	Alabama Crop Improvement Assoc. Auburn, Alabama
Florida 401, Florida 402 FL 8727-L1	Univ. of Florida, Agric. Res. Ctr., Quincy, Florida
Gainey SS 2	Gainey Grain Laurel Hill, North Carolina
GI-88, GI-87, CGI-90, Gurley's Grazer 2000	Carl R. Gurley, Inc. Princeton, North Carolina
Wintergrazer 70	Seed Production Inc. Madison, Georgia
<u>BARLEY</u>	
Clemson 100	South Carolina Crop Impr. Assoc. Clemson, South Carolina
Sussex, Wysor, Nomini, VA 85-44-226	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Venus	Univ. of Georgia, Georgia Station, Griffin, Georgia

