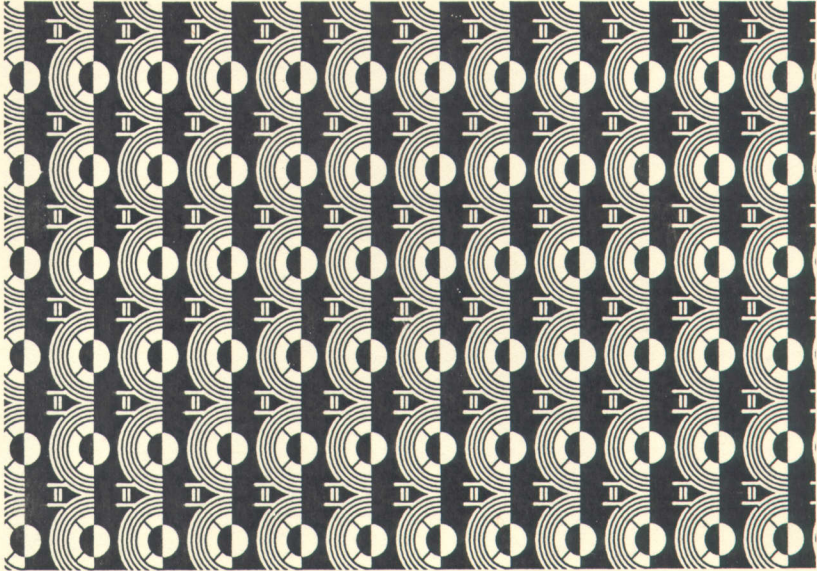


**The 1994  
Alabama  
Performance  
Comparison  
of Small Grain  
Varieties**



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Lowell T. Frobish, Director

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

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# **THE 1994 ALABAMA PERFORMANCE COMPARISON OF SMALL GRAIN VARIETIES**

**K.M. Glass and D.I. Bransby<sup>1</sup>**

## **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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<sup>1</sup>Research Assistant and Professor of Agronomy and Soils.

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 1991 and 1992 tests were at normal times. Planting dates for all tests in 1993 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 1991, 1992, and 1993 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 1993-94 growing season are given in tables 17 through 26, and are summarized by region. Dan Collins, Extension Plant Pathologist, 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, diseases were generally light this year in all variety tests. On wheat, leaf rust and powdery mildew incidence was low. Septoria blotch occurred at moderate levels throughout the state. The incidence of the virus disease Barley yellow dwarf was low. Soilborne wheat mosaic, a virus disease that was recently diagnosed in the state was found only in a few entries. 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. The Autauga county site had higher disease incidence. Varieties showed differences in reaction to this disease. On oats, *Helminthosporium* leaf spot was prevalent at all locations. Leaf rust occurred at extremely low levels. Barley yellow dwarf was not observed. Spot blotch and net blotch occurred on barley at low levels. On triticale, Septoria blotch occurred at moderate levels on most varieties throughout the state. Highest disease ratings were in north Alabama.

## 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. Weather conditions in the 1991-92 season 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 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.



Table 1. Location, Planting and Harvest Dates for 1993-94 Small Grain Tests

Location	Date planted	Date harvested
<b><u>Northern Alabama</u></b>		
Tennessee Valley Substation (Belle Mina)		
Small grain forage only . . . . .	October 1	
Small grain grain only . . . . .	October 28	June 17
Sand Mountain Substation (Crossville)		
Small grain forage only . . . . .	October 11	
Small grain grain only . . . . .	October 11	June 10
Upper Coastal Plain Substation (Winfield)		
Small grain forage only . . . . .	October 5	
Small grain grain only . . . . .	October 27	Not harvested
<b><u>Central Alabama</u></b>		
Black Belt Substation (Marion Junction)		
Small grain forage only . . . . .	October 4	
Small grain grain only . . . . .	December 2	June 14
E.V. Smith Res. Ctr., Plant Breeding Unit (Tallasse)		
Small grain forage only . . . . .	October 5	
Small grain grain only . . . . .	November 11	May 19 & May 24
Prattville Experiment Field (Prattville)		
Small grain forage only . . . . .	October 27	
Small grain grain only . . . . .	November 4	May 24
<b><u>Southern Alabama</u></b>		
Brewton Experiment Field (Brewton)		
Small grain forage only . . . . .	October 20	
Small grain grain only . . . . .	October 21	May 23
Small grain grain only late . . . . .	November 29	May 23
Gulf Coast Substation (Fairhope)		
Small grain forage only . . . . .	October 26	
Small grain grain only . . . . .	November 11	May 20 & May 24
Small grain grain only late . . . . .	December 1	May 20 & May 24
Monroeville Experiment Field (Monroeville)		
Small grain forage only . . . . .	October 25	
Small grain grain only . . . . .	October 25	May 19
Small grain grain only late . . . . .	November 29	May 20 & June 29
Lower Coastal Plain Substation (Camden)		
Small grain forage only . . . . .	October 19	
Small grain grain only . . . . .	November 12	May 24
Small grain grain only late . . . . .	December 20	May 25
Wiregrass Substation (Headland)		
Small grain forage only . . . . .	October 6	
Small grain grain only . . . . .	October 28	Not harvested
Small grain grain only late . . . . .	Not planted	

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

Brand-variety	Average Yield/Acre <sup>1</sup>			Average Yield/Acre			1994 Average			
	Grain Only			Forage Only			Lodging	Height	1/10	Test Wt.
	1994	2-Yr.	3-Yr.	1994	2-Yr.	3-Yr.	Pct.	In.	Date	Lb./Bu.
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.			Headed	
<b>Wheat</b>										
Wakefield . . . . .	77	61	65	2,538	2,812	2,830	0	37	4-21	55.0
GA GORE . . . . .	75	64	64	2,813	3,011	2,937	0	36	4-16	56.8
Northrup King										
Coker 9543 . . . . .	70	61	64	-	-	-	0	33	4-19	57.2
Madison . . . . .	74	62	61	2,774	2,760	2,771	0	35	4-17	55.6
Florida 302 . . . . .	73	61	61	3,062	3,055	3,044	0	38	4-18	56.0
Terral 101 . . . . .	70	58	61	-	-	-	0	36	4-21	55.1
Saluda . . . . .	62	56	60	3,065	2,952	2,915	4	34	4-19	55.9
Bayles . . . . .	65	55	57	2,917	2,900	2,821	0	34	4-17	53.6
Pioneer 2684 . . . . .	79	67	-	-	-	-	0	34	4-16	58.9
Pioneer 2566 . . . . .	78	64	-	-	-	-	0	34	4-19	56.9
Pioneer XW 522 . . . . .	78	-	-	-	-	-	0	30	4-16	56.7
Jackson . . . . .	78	-	-	3,307	-	-	0	36	4-19	56.9
Pioneer 2580 . . . . .	76	66	-	-	-	-	0	35	4-18	55.8
Pioneer XW 523 . . . . .	74	-	-	-	-	-	0	34	4-20	56.4
Northrup King 9803 . . . . .	74	64	-	-	-	-	0	33	4-17	58.9
GA ANDY . . . . .	70	61	-	2,762	2,865	-	0	37	4-15	57.5
SC 850559 . . . . .	70	60	-	-	-	-	0	36	4-16	56.6
GA 100 . . . . .	64	53	-	2,864	2,774	-	1	33	4-17	54.4
Stacy . . . . .	-	-	-	3,070	-	-	-	-	-	-
Florida 304 . . . . .	-	-	-	3,046	3,070	-	-	-	-	-
Test Mean . . . . .	73	61	62	2,929	2,911	2,886	0	34	-	56.3
L.S.D. (.10) . . . . .	5	7	7	315	470	443	-	-	-	-
C.V. (%) . . . . .	5	9	9	8	12	11	-	-	-	-
<b>Oats</b>										
Simpson . . . . .	124	110	109	3,086	3,191	3,268	19	44	4-27	36.7
Ga Mitchell . . . . .	106	97	99	2,760	2,853	2,902	0	37	4-27	37.7
Northrup King										
Coker 716 . . . . .	107	93	96	2,625	2,719	2,832	17	42	4-27	35.9
87-9 . . . . .	119	-	-	-	-	-	0	45	4-26	38.2
Ozark . . . . .	106	95	-	2,874	2,841	-	30	40	4-26	37.3
Citation . . . . .	-	-	-	2,716	2,829	3,010	-	-	-	-
Florida 501 . . . . .	-	-	-	2,725	2,794	-	-	-	-	-
Florida 502 . . . . .	-	-	-	2,496	2,509	-	-	-	-	-
Test Mean . . . . .	113	99	101	2,755	2,819	3,003	13	41	-	37.1
L.S.D. (.10) . . . . .	23	16	14	349	480	444	-	-	-	-
C.V. (%) . . . . .	15	12	10	9	13	11	-	-	-	-
<b>Barley</b>										
Wysor . . . . .	85	79	76	3,270	3,567	3,354	55	36	4-14	40.2
Nomini . . . . .	91	82	76	3,053	3,196	-	54	37	4-11	43.5
Starling . . . . .	92	-	-	3,182	3,253	-	54	36	4-15	42.3
Pamunkey . . . . .	86	-	-	3,390	-	-	58	34	4-10	44.8
Test Mean . . . . .	89	80	76	3,224	3,339	3,354	55	36	-	42.7
L.S.D. (.10) . . . . .	11	8	8	344	511	475	-	-	-	-
C.V. (%) . . . . .	9	7	7	8	11	10	-	-	-	-

Continued

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

Brand-variety	Average Yield/Acre <sup>1</sup> Grain Only			Average Yield/Acre Forage Only			1994 Average			Test Wt. Lb./Bu.
	1994	2-Yr.	3-Yr.	1994	2-Yr.	3-Yr.	Lodging	Height	1/10	
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.	Pct.	In.	Date	
<b>Rye</b>										
Bonel . . . . .	-	-	-	3,754	3,981	4,080	-	-	-	-
AFC 20-20 . . . . .	-	-	-	3,344	3,607	3,876	-	-	-	-
Volunteer Magic . . . . .	-	-	-	3,349	3,620	3,827	-	-	-	-
Graze Master . . . . .	-	-	-	3,283	3,533	3,758	-	-	-	-
Wren's Abruzzi AL . . . . .	-	-	-	3,225	3,620	3,723	-	-	-	-
Florida 401 . . . . .	-	-	-	2,672	3,442	3,414	-	-	-	-
Florida 402 . . . . .	-	-	-	2,715	3,109	3,397	-	-	-	-
NF 73 . . . . .	-	-	-	3,517	-	-	-	-	-	-
AFC 93-20 . . . . .	-	-	-	3,510	-	-	-	-	-	-
Wintergrazer 70 . . . . .	-	-	-	3,492	3,630	-	-	-	-	-
AFC 93-10 . . . . .	-	-	-	3,415	-	-	-	-	-	-
FL 8727-L1 . . . . .	-	-	-	2,546	3,569	-	-	-	-	-
Test Mean . . . . .	-	-	-	3,235	3,568	3,725	-	-	-	-
L.S.D. (.10) . . . . .	-	-	-	343	477	499	-	-	-	-
C.V. (%) . . . . .	-	-	-	8	10	10	-	-	-	-
<b>Triticale</b>										
Stan II . . . . .	58	60	61	2,716	-	-	0	43	4-26	45.3
Sunland . . . . .	78	65	57	-	-	-	0	40	4-4	53.8
Florida 201 . . . . .	80	65	-	-	-	-	2	42	4-3	51.4
Test Mean . . . . .	72	63	59	2,716	-	-	1	41	-	50.1
L.S.D. (.10) . . . . .	10	11	9	-	-	-	-	-	-	-
C.V. (%) . . . . .	9	12	11	-	-	-	-	-	-	-

<sup>1</sup>Belle Mina and Crossville on Grain only.

Table 3. Performance of Small Grains at Belle Mina, Alabama, 1994

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1994	Test Wt.	3-Yr. Av.	1994	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Wheat</b>					
Pioneer 2684 . . . .	96	59.0	-	-	-
Pioneer XW 522 . . .	96	56.4	-	-	-
Pioneer 2566 . . . .	94	57.5	-	-	-
GA GORE . . . . .	89	56.7	69	2,805	3,478
GA ANDY . . . . .	89	57.8	-	2,415	-
Pioneer 2580 . . . .	86	55.8	-	-	-
Jackson . . . . .	85	56.3	-	2,756	-
Northrup King 9803	85	59.5	-	-	-
Wakefield . . . . .	85	55.8	68	2,796	3,346
Madison . . . . .	84	55.4	65	2,370	3,063
Pioneer XW 523 . . .	84	56.2	-	-	-
SC 850559 . . . . .	80	56.6	-	-	-
Florida 302 . . . .	80	55.2	64	2,759	3,587
Northrup King					
Coker 9543 . . . .	77	57.9	69	-	-
Terral 101 . . . . .	77	55.4	64	-	-
GA 100 . . . . .	73	54.0	-	2,648	-
Bayles . . . . .	72	53.6	59	2,750	3,218
Saluda . . . . .	64	54.9	62	2,317	3,060
Stacy . . . . .	-	-	-	2,863	-
Florida 304 . . . .	-	-	-	2,826	-
Test Mean . . . . .	83	56.3	65	2,664	3,292
L.S.D. (.10) . . . .	6	-	8	199	526
C.V. (%) . . . . .	5	-	9	5	12
<b>Oats</b>					
87-9 . . . . .	161	38.0	-	-	-
Simpson . . . . .	131	38.0	105	2,562	3,889
Ga Mitchell . . . .	120	37.9	97	2,134	3,351
Northrup King					
Coker 716 . . . .	118	36.5	93	2,386	3,498
Ozark . . . . .	112	38.2	-	2,780	-
Citation . . . . .	-	-	-	2,079	3,374
Florida 501 . . . .	-	-	-	2,021	-
Florida 502 . . . .	-	-	-	1,893	-
Test Mean . . . . .	129	37.7	99	2,265	3,528
L.S.D. (.10) . . . .	35	-	18	142	340
C.V. (%) . . . . .	18	-	13	4	7
<b>Barley</b>					
Pamunkey . . . . .	109	44.8	-	3,097	-
Starling . . . . .	108	42.7	-	2,966	-
Nomini . . . . .	104	44.4	76	3,041	-
Wysor . . . . .	102	38.2	80	3,000	3,716
Test Mean . . . . .	105	42.5	78	3,026	3,716
L.S.D. (.10) . . . .	16	-	10	308	518
C.V. (%) . . . . .	9	-	9	6	10

Continued

Table 3. Performance of Small Grains at Belle Mina, Alabama, 1994  
Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1994 Test Wt.		3-Yr. Av.	1994	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Rye</b>					
Bonel . . . . .	-	-	-	3,660	4,751
Wintergrazer 70 . . . . .	-	-	-	3,479	-
Volunteer Magic . . . . .	-	-	-	3,418	4,605
Graze Master . . . . .	-	-	-	3,393	4,622
AFC 93-20 . . . . .	-	-	-	3,362	-
AFC 20-20 . . . . .	-	-	-	3,347	4,495
NF 73 . . . . .	-	-	-	3,280	-
AFC 93-10 . . . . .	-	-	-	3,258	-
Wren's Abruzzi AL . . . . .	-	-	-	3,021	4,509
Florida 401 . . . . .	-	-	-	2,294	4,196
Florida 402 . . . . .	-	-	-	2,159	4,045
FL 8727-L1 . . . . .	-	-	-	2,035	-
Test Mean . . . . .	-	-	-	3,059	4,460
L.S.D. (.10) . . . . .	-	-	-	319	620
C.V. (%) . . . . .	-	-	-	7	10
<b>Triticale</b>					
Sunland . . . . .	96	54.5	61	-	-
Florida 201 . . . . .	94	51.9	-	-	-
Stan II . . . . .	46	44.6	51	1,806	-
Test Mean . . . . .	79	50.3	56	1,806	-
L.S.D. (.10) . . . . .	14	-	8	-	-
C.V. (%) . . . . .	10	-	10	-	-

Table 4. Performance of Small Grains at Crossville, Alabama, 1994

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1994 Test Wt.		3-Yr. Av.	1994	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Wheat</b>					
Jackson . . . . .	70	57.4	-	2,305	-
Wakefield . . . . .	69	54.2	61	2,281	2,620
Pioneer 2580 . . . . .	67	55.7	-	-	-
Florida 302 . . . . .	67	56.8	58	2,074	2,412
Pioneer XW 523 . . . . .	65	56.6	-	-	-
Northrup King					
Coker 9543 . . . . .	64	56.5	59	-	-
Madison . . . . .	64	55.7	57	2,013	2,445
Terral 101 . . . . .	63	54.7	57	-	-
Pioneer 2566 . . . . .	62	56.2	-	-	-
Northrup King 9803 . . . . .	62	58.2	-	-	-
Pioneer 2684 . . . . .	61	58.7	-	-	-
Pioneer XW 522 . . . . .	61	57.0	-	-	-
GA GORE . . . . .	60	56.9	59	1,941	2,447
SC 850559 . . . . .	60	56.6	-	-	-
Saluda . . . . .	59	56.9	57	2,117	2,347
Bayles . . . . .	57	53.6	56	1,922	2,332
GA 100 . . . . .	56	54.7	-	1,998	-
GA ANDY . . . . .	51	57.2	-	1,808	-
Stacy . . . . .	-	-	-	2,069	-
Florida 304 . . . . .	-	-	-	1,983	-
Test Mean . . . . .	62	56.3	58	2,047	2,434
L.S.D. (.10) . . . . .	5	-	6	253	324
C.V. (%) . . . . .	5	-	7	9	10
<b>Oats</b>					
Simpson . . . . .	118	35.3	112	1,923	2,350
Ozark . . . . .	100	36.4	-	1,577	-
Northrup King					
Coker 716 . . . . .	96	35.2	98	1,629	2,031
Ga Mitchell . . . . .	93	37.5	101	1,829	2,252
87-9 . . . . .	78	38.4	-	-	-
Florida 501 . . . . .	-	-	-	1,937	-
Citation . . . . .	-	-	-	1,700	2,290
Florida 502 . . . . .	-	-	-	1,539	-
Test Mean . . . . .	97	36.6	103	1,733	2,231
L.S.D. (.10) . . . . .	6	-	13	171	233
C.V. (%) . . . . .	4	-	9	7	8
<b>Barley</b>					
Nomini . . . . .	79	42.5	75	1,961	-
Starling . . . . .	77	41.9	-	1,956	-
Wysor . . . . .	69	42.2	73	2,262	2,898
Pamunkey . . . . .	63	44.8	-	2,237	-
Test Mean . . . . .	72	42.9	74	2,104	2,898
L.S.D. (.10) . . . . .	6	-	6	341	324
C.V. (%) . . . . .	6	-	6	10	8

Continued

Table 4. Performance of Small Grains at Crossville, Alabama, 1994  
Continued

Brand-variety	Grain Only Yield/Acre			Forage Only Yield/Acre	
	1994 Test Wt.		3-Yr. Av.	1994	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Rye</b>					
Bonel . . . . .	-	-	-	2,776	3,807
NF 73 . . . . .	-	-	-	2,665	-
Wintergrazer 70 . . . . .	-	-	-	2,560	-
AFC 93-20 . . . . .	-	-	-	2,449	-
AFC 93-10 . . . . .	-	-	-	2,387	-
Volunteer Magic . . . . .	-	-	-	2,244	3,429
Wren's Abruzzi AL . . . . .	-	-	-	2,208	3,173
Graze Master . . . . .	-	-	-	2,162	3,174
AFC 20-20 . . . . .	-	-	-	2,146	3,225
FL 8727-L1 . . . . .	-	-	-	2,075	-
Florida 402 . . . . .	-	-	-	2,016	3,053
Florida 401 . . . . .	-	-	-	2,004	2,866
Test Mean . . . . .	-	-	-	2,308	3,247
L.S.D. (.10) . . . . .	-	-	-	308	448
C.V. (%) . . . . .	-	-	-	10	10
<b>Triticale</b>					
Stan II . . . . .	71	46.0	70	2,111	-
Florida 201 . . . . .	65	50.8	-	-	-
Sunland . . . . .	61	53.0	54	-	-
Test Mean . . . . .	66	49.9	62	2,111	-
L.S.D. (.10) . . . . .	8	-	7	-	-
C.V. (%) . . . . .	7	-	7	-	-

Table 5. Performance of Small Grains at Winfield, Alabama, 1994

Brand-variety	Grain Only Yield/Acre <sup>1</sup>		Forage Only Yield/Acre	
	1994	Test Wt. 3-Yr. Av.	1994	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.
<b>Wheat</b>				
Jackson . . . . .	-	-	4,862	-
Saluda . . . . .	-	-	4,762	3,338
Florida 302 . . . . .	-	-	4,353	3,133
Florida 304 . . . . .	-	-	4,329	-
Stacy . . . . .	-	-	4,278	-
Bayles . . . . .	-	-	4,080	2,912
GA ANDY . . . . .	-	-	4,061	-
GA 100 . . . . .	-	-	3,944	-
Madison . . . . .	-	-	3,937	2,806
GA GORE . . . . .	-	-	3,691	2,886
Test Mean . . . . .	-	-	4,230	3,015
L.S.D. (.10) . . . . .	-	-	495	470
C.V. (%) . . . . .	-	-	8	11
<b>Oats</b>				
Simpson . . . . .	-	-	4,774	3,565
Citation . . . . .	-	-	4,368	3,364
Ga Mitchell . . . . .	-	-	4,318	3,104
Ozark . . . . .	-	-	4,266	-
Florida 501 . . . . .	-	-	4,218	-
Florida 502 . . . . .	-	-	4,055	-
Northrup King Coker 716 . . . . .	-	-	3,861	2,966
Test Mean . . . . .	-	-	4,266	3,250
L.S.D. (.10) . . . . .	-	-	599	664
C.V. (%) . . . . .	-	-	10	15
<b>Barley</b>				
Pamunkey . . . . .	-	-	4,836	-
Starling . . . . .	-	-	4,625	-
Wysor . . . . .	-	-	4,549	3,447
Nomini . . . . .	-	-	4,157	-
Test Mean . . . . .	-	-	4,542	3,447
L.S.D. (.10) . . . . .	-	-	485	591
C.V. (%) . . . . .	-	-	7	12
<b>Rye</b>				
Bonel . . . . .	-	-	4,825	3,681
AFC 93-20 . . . . .	-	-	4,721	-
NF 73 . . . . .	-	-	4,607	-
AFC 93-10 . . . . .	-	-	4,600	-
AFC 20-20 . . . . .	-	-	4,540	3,909
Wren's Abruzzi AL	-	-	4,447	3,486
Wintergrazer 70 . . . . .	-	-	4,437	-
Volunteer Magic . . . . .	-	-	4,387	3,446
Graze Master . . . . .	-	-	4,294	3,478
Florida 402 . . . . .	-	-	3,970	3,092
Florida 401 . . . . .	-	-	3,718	3,179
FL 8727-L1 . . . . .	-	-	3,529	-
Test Mean . . . . .	-	-	4,340	3,467
L.S.D. (.10) . . . . .	-	-	435	416
C.V. (%) . . . . .	-	-	7	9
<b>Triticale</b>				
Stan II . . . . .	-	-	4,231	-
Test Mean . . . . .	-	-	4,231	-
L.S.D. (.10) . . . . .	-	-	-	-
C.V. (%) . . . . .	-	-	-	-

<sup>1</sup>Winfield grain only test not harvested.



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			1994 Average			Test Wt. Lb./Bu.
	1994	2-Yr.	3-Yr.	1994	2-Yr.	3-Yr.	Lodging Height	1/10	Headed	
	Bu.	Bu.	Bu.	Lb.	Lb.	Lb.	Pct.	In.	Date	
<b>Wheat</b>										
Wakefield . . . . .	71	55	62	3,425	3,521	3,811	1	40	4-12	56.2
Florida 304 . . . . .	66	53	59	3,662	4,117	-	0	40	4- 7	56.8
Saluda . . . . .	66	53	58	3,522	4,001	4,168	2	36	4-11	57.6
Florida 302 . . . . .	65	50	57	3,502	3,527	3,680	4	40	4-11	55.9
Bayles . . . . .	65	50	57	3,639	3,964	3,987	6	37	4- 8	55.0
GA GORE . . . . .	66	49	55	3,253	3,951	4,078	2	37	4- 4	56.7
GA 100 . . . . .	61	49	55	3,461	3,748	3,823	1	35	4- 9	55.7
GA ANDY . . . . .	65	51	49	3,295	3,392	3,570	2	38	3-30	57.6
Pioneer XW 522 . . . . .	72	-	-	-	-	-	0	33	4- 5	57.8
Jackson . . . . .	70	-	-	3,521	-	-	1	38	4-10	57.1
Pioneer 2566 . . . . .	70	62	-	-	-	-	1	37	4-11	56.4
Madison . . . . .	69	55	-	3,287	3,218	3,541	2	37	4- 5	56.6
Pioneer XW 523 . . . . .	68	-	-	-	-	-	1	38	4- 9	58.2
Pioneer 2684 . . . . .	67	57	-	-	-	-	1	36	4- 4	59.1
SC 850559 . . . . .	66	51	-	-	-	-	1	38	4- 3	56.8
<u>Stacy</u> . . . . .	-	-	-	3,472	-	-	-	-	-	-
Test Mean . . . . .	67	53	56	3,458	3,716	3,832	2	37	-	56.9
L.S.D. (.10) . . . . .	8	10	12	460	734	672	-	-	-	-
C.V. (%) . . . . .	9	14	15	10	15	13	-	-	-	-
<b>Oats</b>										
Simpson . . . . .	97	99	105	3,884	3,889	3,968	23	46	4-18	32.2
Citation . . . . .	97	91	94	3,747	4,230	4,287	32	43	4-16	32.3
Ga Mitchell . . . . .	97	86	90	3,497	3,852	3,929	9	38	4-17	34.0
Florida 501 . . . . .	85	60	64	3,553	3,783	3,986	44	42	4-11	33.7
Florida 502 . . . . .	84	54	61	3,380	3,651	3,754	25	41	4- 9	34.1
87-9 . . . . .	100	-	-	-	-	-	19	48	4-16	34.3
<u>Ozark</u> . . . . .	99	88	-	3,497	3,929	-	31	44	4-17	33.1
Test Mean . . . . .	94	80	83	3,593	3,889	3,985	26	43	-	33.4
L.S.D. (.10) . . . . .	14	14	15	708	569	553	-	-	-	-
C.V. (%) . . . . .	11	13	14	14	11	10	-	-	-	-
<b>Rye</b>										
Wren's Abruzzi AL . . . . .	-	-	-	4,442	5,391	5,284	-	-	-	-
Bonel . . . . .	-	-	-	3,745	5,295	5,149	-	-	-	-
Florida 401 . . . . .	-	-	-	3,979	5,142	5,089	-	-	-	-
Florida 402 . . . . .	-	-	-	3,567	4,889	4,886	-	-	-	-
Wintergrazer 70 . . . . .	-	-	-	4,046	5,128	-	-	-	-	-
FL 8727-L1 . . . . .	-	-	-	3,990	4,966	-	-	-	-	-
NF 73 . . . . .	-	-	-	3,955	-	-	-	-	-	-
GI 87 . . . . .	-	-	-	3,864	-	-	-	-	-	-
<u>AFC 20-20</u> . . . . .	-	-	-	3,836	-	-	-	-	-	-
Test Mean . . . . .	-	-	-	3,936	5,135	5,102	-	-	-	-
L.S.D. (.10) . . . . .	-	-	-	672	732	703	-	-	-	-
C.V. (%) . . . . .	-	-	-	12	11	10	-	-	-	-
<b>Triticale</b>										
Sunland . . . . .	62	55	56	-	-	-	0	41	3-23	54.3
Florida 201 . . . . .	63	54	-	-	-	-	5	42	3-21	50.6
<u>Stan II</u> . . . . .	22	37	-	2,631	-	-	2	42	4-20	41.6
Test Mean . . . . .	49	49	56	2,631	-	-	2	42	-	48.8
L.S.D. (.10) . . . . .	8	7	10	-	-	-	-	-	-	-
C.V. (%) . . . . .	11	10	14	-	-	-	-	-	-	-

Table 7. Performance of Small Grains at Marion Junction, Alabama, 1994

Brand-variety	Grain Only Yield/Acre <sup>1</sup>			Forage Only Yield/Acre	
	1994	Test Wt.	3-Yr. Av.	1994	3-Yr. Av.
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Wheat</b>					
Pioneer XW 523 . . . . .	64	55.6	-	-	-
Pioneer 2684 . . . . .	61	56.4	-	-	-
GA ANDY . . . . .	59	55.4	33	3,494	4,109
Pioneer XW 522 . . . . .	59	55.0	-	-	-
Jackson . . . . .	59	54.8	-	3,140	-
Madison . . . . .	58	54.6	-	2,727	2,969
Florida 304 . . . . .	54	54.0	-	3,516	-
Pioneer 2566 . . . . .	54	53.4	-	-	-
Wakefield . . . . .	52	53.4	47	2,893	3,093
SC 850559 . . . . .	52	54.8	-	-	-
GA GORE . . . . .	49	54.6	46	3,209	3,426
GA 100 . . . . .	48	53.8	47	3,037	3,083
Saluda . . . . .	45	54.6	47	2,637	3,164
Bayles . . . . .	41	51.6	40	3,147	3,350
Florida 302 . . . . .	40	52.8	41	3,229	3,211
Stacy . . . . .	-	-	-	3,485	-
Test Mean . . . . .	53	54.3	43	3,138	3,301
L.S.D. (.10) . . . . .	6	-	8	408	573
C.V. (%) . . . . .	8	-	13	9	13
<b>Oats</b>					
87-9 . . . . .	79	32.4	-	-	-
Simpson . . . . .	74	30.0	86	2,941	3,068
Florida 502 . . . . .	67	30.8	67	3,383	3,277
Ozark . . . . .	54	30.4	-	3,304	-
Ga Mitchell . . . . .	54	30.2	72	3,162	3,069
Florida 501 . . . . .	48	31.0	56	3,101	3,122
Citation . . . . .	36	29.8	68	3,791	3,576
Test Mean . . . . .	59	30.7	70	3,280	3,222
L.S.D. (.10) . . . . .	9	-	10	454	373
C.V. (%) . . . . .	11	-	10	9	8
<b>Rye</b>					
Wren's Abruzzi AL . . . . .	-	-	-	5,051	4,634
Florida 401 . . . . .	-	-	-	4,791	4,800
FL 8727-L1 . . . . .	-	-	-	4,714	-
Florida 402 . . . . .	-	-	-	4,363	4,069
Bonel . . . . .	-	-	-	3,983	3,692
NF 73 . . . . .	-	-	-	3,930	-
Wintergrazer 70 . . . . .	-	-	-	3,792	-
AFC 20-20 . . . . .	-	-	-	3,556	-
GI 87 . . . . .	-	-	-	3,446	-
Test Mean . . . . .	-	-	-	4,181	4,299
L.S.D. (.10) . . . . .	-	-	-	578	751
C.V. (%) . . . . .	-	-	-	10	13
<b>Triticale</b>					
Sunland . . . . .	51	52.8	29	-	-
Florida 201 . . . . .	48	48.8	-	-	-
Stan II . . . . .	19	44.0	-	3,238	-
Test Mean . . . . .	39	48.5	29	3,238	-
L.S.D. (.10) . . . . .	6	-	4	-	-
C.V. (%) . . . . .	9	-	10	-	-

<sup>1</sup>Grain only 3-yr. av. based on 1991, 1992, and 1994 yields.

Table 8. Performance of Small Grains at Prattville, Alabama, 1994

Brand-variety	Grain Only Yield/Acre		Forage Only Yield/Acre		
	1994 Test Wt. 3-Yr. Av.		1994	3-Yr. Av.	
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Wheat</b>					
Bayles . . . . .	80	58.3	67	2,879	3,230
Pioneer XW 522 . . . . .	79	60.6	-	-	-
Wakefield . . . . .	78	59.0	65	2,729	3,645
Pioneer 2566 . . . . .	74	59.3	-	-	-
Florida 302 . . . . .	73	58.9	60	2,836	3,312
Saluda . . . . .	73	60.5	60	2,831	3,721
GA GORE . . . . .	71	58.7	59	2,555	3,393
Jackson . . . . .	71	59.3	-	2,716	-
Pioneer XW 523 . . . . .	71	60.8	-	-	-
Florida 304 . . . . .	70	59.6	60	2,834	-
GA ANDY . . . . .	70	59.7	59	2,279	2,801
Pioneer 2684 . . . . .	69	61.7	-	-	-
SC 850559 . . . . .	69	58.7	-	-	-
Madison . . . . .	69	58.6	-	2,590	3,148
GA 100 . . . . .	66	57.5	57	2,653	3,218
Stacy . . . . .	-	-	-	2,933	-
Test Mean . . . . .	72	59.4	61	2,712	3,308
L.S.D. (.10) . . . . .	7	-	7	444	545
C.V. (%) . . . . .	7	-	9	12	12
<b>Oats</b>					
Ozark . . . . .	134	35.8	-	4,195	-
Citation . . . . .	128	34.8	108	3,820	4,152
Ga Mitchell . . . . .	122	37.7	111	3,754	3,899
Simpson . . . . .	117	34.3	99	5,020	4,562
87-9 . . . . .	113	36.2	-	-	-
Florida 501 . . . . .	111	36.3	89	3,830	3,862
Florida 502 . . . . .	111	37.3	89	3,688	3,727
Test Mean . . . . .	119	36.1	99	4,051	4,041
L.S.D. (.10) . . . . .	19	-	18	1,076	599
C.V. (%) . . . . .	11	-	13	18	11
<b>Rye</b>					
Wintergrazer 70 . . . . .	-	-	-	3,813	-
NF 73 . . . . .	-	-	-	3,729	-
Wren's Abruzzi AL . . . . .	-	-	-	3,633	4,214
AFC 20-20 . . . . .	-	-	-	3,577	-
GI 87 . . . . .	-	-	-	3,464	-
Bonel . . . . .	-	-	-	3,054	4,228
Florida 401 . . . . .	-	-	-	2,971	4,091
FL 8727-L1 . . . . .	-	-	-	2,960	-
Florida 402 . . . . .	-	-	-	2,780	3,887
Test Mean . . . . .	-	-	-	3,331	4,105
L.S.D. (.10) . . . . .	-	-	-	518	463
C.V. (%) . . . . .	-	-	-	11	8
<b>Triticale</b>					
Florida 201 . . . . .	69	52.3	-	-	-
Sunland . . . . .	67	55.8	64	-	-
Stan II . . . . .	32	39.2	-	2,707	-
Test Mean . . . . .	56	49.1	64	2,707	-
L.S.D. (.10) . . . . .	10	-	10	-	-
C.V. (%) . . . . .	11	-	11	-	-

Table 9. Performance of Small Grains at Tallassee, Alabama, 1994

Brand-variety	Grain Only Yield/Acre		Forage Only Yield/Acre		
	1994 Test Wt. 3-Yr. Av.		1994	3-Yr. Av.	
	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Wheat</b>					
Florida 302 . . . . .	83	-	68	4,441	4,518
Pioneer 2566 . . . . .	82	-	-	-	-
Wakefield . . . . .	82	-	71	4,653	4,696
Saluda . . . . .	80	-	65	5,098	5,618
Madison . . . . .	80	-	-	4,543	4,505
Jackson . . . . .	80	-	-	4,707	-
SC 850559 . . . . .	77	-	-	-	-
Pioneer XW 522 . . . . .	77	-	-	-	-
GA GORE . . . . .	76	-	59	3,996	5,415
Bayles . . . . .	73	-	61	4,891	5,380
Florida 304 . . . . .	73	-	67	4,636	-
Pioneer 2684 . . . . .	70	-	-	-	-
GA 100 . . . . .	70	-	58	4,693	5,167
Pioneer XW 523 . . . . .	69	-	-	-	-
GA ANDY . . . . .	65	-	49	4,110	3,801
Stacy . . . . .	-	-	-	3,997	-
Test Mean . . . . .	76	-	62	4,524	4,887
L.S.D. (.10) . . . . .	11	-	16	559	868
C.V. (%) . . . . .	11	-	19	9	13
<b>Oats</b>					
Citation . . . . .	128	-	95	3,631	5,134
Ga Mitchell . . . . .	116	-	82	3,573	4,818
Ozark . . . . .	110	-	-	2,992	-
87-9 . . . . .	108	-	-	-	-
Simpson . . . . .	99	-	114	3,690	4,275
Florida 501 . . . . .	94	-	49	3,729	4,973
Florida 502 . . . . .	73	-	36	3,067	4,259
Test Mean . . . . .	104	-	75	3,447	4,692
L.S.D. (.10) . . . . .	13	-	16	594	669
C.V. (%) . . . . .	9	-	15	12	10
<b>Rye</b>					
GI 87 . . . . .	-	-	-	4,682	-
Wren's Abruzzi AL . . . . .	-	-	-	4,642	7,004
Wintergrazer 70 . . . . .	-	-	-	4,533	-
AFC 20-20 . . . . .	-	-	-	4,374	-
FL 8727-L1 . . . . .	-	-	-	4,296	-
NF 73 . . . . .	-	-	-	4,207	-
Bonel . . . . .	-	-	-	4,200	7,527
Florida 401 . . . . .	-	-	-	4,176	6,375
Florida 402 . . . . .	-	-	-	3,560	6,703
Test Mean . . . . .	-	-	-	4,297	6,902
L.S.D. (.10) . . . . .	-	-	-	930	863
C.V. (%) . . . . .	-	-	-	15	9
<b>Triticale</b>					
Florida 201 . . . . .	73	-	-	-	-
Sunland . . . . .	67	-	61	-	-
Stan II . . . . .	16	-	-	1,949	-
Test Mean . . . . .	52	-	61	1,949	-
L.S.D. (.10) . . . . .	10	-	13	-	-
C.V. (%) . . . . .	11	-	15	-	-

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

Brand-variety	Average Yield/Acre <sup>1</sup>			Average Yield/Acre			1994 Average			Test Wt. Lb./Bu.
	Grain Only			Forage Only			Lodging Height Pct.	1/10 In.	Date Headed	
	1994	2-Yr.	3-Yr.	1994	2-Yr.	3-Yr.				
Bu.	Bu.	Bu.	Lb.	Lb.	Lb.					
<b>Wheat</b>										
Northrup King										
Coker 9134 . . . . .	58	47	49	-	-	-	29	40	3-27	55.8
Wakefield . . . . .	64	47	47	4,947	4,601	-	14	42	3-30	55.1
Bayles . . . . .	60	40	44	4,426	4,224	4,135	10	40	3-23	54.6
GA GORE . . . . .	55	40	44	4,797	4,956	4,741	15	39	3-23	55.7
Florida 302 . . . . .	61	41	43	4,657	4,455	4,302	11	43	3-23	56.0
GA 100 . . . . .	54	35	38	4,418	4,295	4,191	11	36	3-24	52.9
Saluda . . . . .	59	39	38	5,287	4,786	4,735	12	38	3-30	57.5
Pioneer 2684 . . . . .	70	48	-	-	-	-	7	39	3-23	59.1
Pioneer XW 522 . . . . .	69	-	-	-	-	-	7	34	3-25	57.0
Pioneer XW 523 . . . . .	64	-	-	-	-	-	11	39	3-27	56.6
Madison . . . . .	62	40	-	4,630	4,313	4,061	16	39	3-22	55.9
Florida 304 . . . . .	61	42	-	4,969	4,987	-	16	41	3-24	56.6
Pioneer 2566 . . . . .	61	46	-	-	-	-	1	38	3-29	56.5
Jackson . . . . .	60	-	-	5,190	-	-	31	41	3-27	55.7
SC 850559 . . . . .	55	40	-	-	-	-	3	40	3-14	56.6
GA ANDY . . . . .	53	33	-	4,490	4,014	3,864	1	39	3-11	57.7
Stacy . . . . .	-	-	-	5,028	-	-	-	-	-	-
Test Mean . . . . .	61	41	43	4,803	4,515	4,290	12	39	-	56.2
L.S.D. (.10) . . . . .	10	7	7	747	680	633	-	-	-	-
C.V. (%) . . . . .	12	13	13	11	11	11	-	-	-	-
<b>Oats</b>										
Ga Mitchell . . . . .	106	76	85	5,297	5,129	5,078	25	44	3-28	35.0
Citation . . . . .	84	61	72	4,981	5,127	5,111	82	51	3-31	33.8
Simpson . . . . .	90	60	66	5,900	5,372	5,233	42	53	4- 6	32.4
Florida 502 . . . . .	59	40	47	5,093	4,839	4,751	16	47	3-20	33.9
87-9 . . . . .	70	-	-	-	-	-	21	54	3-31	34.3
Florida 501 . . . . .	59	38	-	5,196	4,905	4,823	48	49	3-21	31.3
Ozark . . . . .	-	-	-	5,387	5,063	-	-	-	-	-
Test Mean . . . . .	78	55	68	5,309	5,072	4,999	39	50	-	33.5
L.S.D. (.10) . . . . .	17	15	14	1,030	1,005	852	-	-	-	-
C.V. (%) . . . . .	16	21	15	14	15	13	-	-	-	-

Continued

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

Continued

Brand-variety	Average Yield/Acre <sup>1</sup>			Average Yield/Acre			1994 Average			Test Wt. Lb./Bu.
	Grain Only			Forage Only			Lodging Pct.	Height In.	1/10 Date Headed	
	1994 Bu.	2-Yr. Bu.	3-Yr. Bu.	1994 Lb.	2-Yr. Lb.	3-Yr. Lb.				
<b>Rye</b>										
AFC 20-20	-	-	-	5,967	5,965	5,751	-	-	-	-
Wintergrazer 70	-	-	-	5,855	5,991	5,685	-	-	-	-
Bonel	-	-	-	5,828	5,977	5,684	-	-	-	-
Sawan Grazer	-	-	-	5,987	6,002	5,680	-	-	-	-
Wren's Abruzzi AL	-	-	-	5,275	5,666	5,434	-	-	-	-
Florida 402	-	-	-	4,544	5,114	5,007	-	-	-	-
Florida 401	-	-	-	5,044	5,091	4,945	-	-	-	-
Gurley Grazer 2000	-	-	-	6,160	-	-	-	-	-	-
Winter Magic	-	-	-	6,045	-	-	-	-	-	-
AFC 93-30	-	-	-	5,913	-	-	-	-	-	-
TFC 93-40	-	-	-	5,892	-	-	-	-	-	-
Dossco Grazer III	-	-	-	5,874	6,003	-	-	-	-	-
NF 73	-	-	-	5,853	-	-	-	-	-	-
Dothan Grazer 93	-	-	-	5,829	-	-	-	-	-	-
Jasmin Grazer	-	-	-	5,787	-	-	-	-	-	-
AFC 93-40	-	-	-	5,737	-	-	-	-	-	-
Kelly Grazer	-	-	-	5,501	-	-	-	-	-	-
FL 8727-L1	-	-	-	4,753	4,916	-	-	-	-	-
Test Mean	-	-	-	5,658	5,636	5,455	-	-	-	-
L.S.D. (.10)	-	-	-	818	901	835	-	-	-	-
C.V. (%)	-	-	-	11	12	11	-	-	-	-
<b>Triticale</b>										
Florida 201	68	42	45	-	-	-	9	46	2-26	50.0
Sunland	67	43	-	-	-	-	2	45	3- 1	53.0
Stan II	26	35	-	4,602	-	-	7	49	4- 6	38.6
Test Mean	54	40	45	4,602	-	-	6	47	-	47.2
L.S.D. (.10)	8	5	7	-	-	-	-	-	-	-
C.V. (%)	11	10	11	-	-	-	-	-	-	-

<sup>1</sup>Headland not included in grain only.

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

Brand-variety	Average Yield/Acre <sup>1</sup>			1994 Average			
	Grain Only			Lodging	Height	1/10	Test Wt.
	Late	Planting					
	1994	2-Yr.	3-Yr.	Pct.	In.	Date	Lb./Bu.
	Bu.	Bu.					
<b>Wheat</b>							
GA ANDY . . . . .	58	48	47	0	37	3-27	55.7
Florida 304 . . . . .	49	46	47	4	37	4- 1	55.7
Bayles . . . . .	51	43	45	3	37	4- 2	52.5
GA GORE . . . . .	52	46	45	0	35	3-29	54.9
GA 100 . . . . .	48	41	42	0	35	4- 2	53.7
Florida 302 . . . . .	49	41	40	3	40	4- 8	54.6
Saluda . . . . .	43	29	30	0	34	4- 5	55.3
Test Mean . . . . .	50	42	42	1	36	4- 2	54.6
L.S.D. (.10) . . . . .	5	5	8	-	-	-	-
C.V. (%) . . . . .	8	8	15	-	-	-	-
<b>Oats</b>							
Ga Mitchell . . . . .	100	81	84	6	40	4- 7	34.0
Citation . . . . .	85	67	72	42	47	4- 8	32.6
Florida 502 . . . . .	84	62	67	3	41	4- 1	34.3
Florida 501 . . . . .	75	53	58	63	45	4- 3	32.2
Test Mean . . . . .	86	66	70	28	43	4- 4	33.3
L.S.D. (.10) . . . . .	12	11	12	-	-	-	-
C.V. (%) . . . . .	10	12	13	-	-	-	-
<b>Triticale</b>							
Florida 201 . . . . .	56	43	46	0	44	3-16	46.8
Sunland . . . . .	52	45	45	0	43	3-23	50.1
Test Mean . . . . .	54	44	45	0	44	3-19	48.5
L.S.D. (.10) . . . . .	8	6	10	-	-	-	-
C.V. (%) . . . . .	10	10	17	-	-	-	-

<sup>1</sup>Headland not included.

Table 12. Performance of Small Grains at Camden, Alabama, 1994

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1994	3-Yr. Av.
	1994	Test Wt.	3-Yr. Av.	1994	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
<b>Wheat</b>								
Pioneer 2684	76	59.9	-	-	-	-	-	-
Pioneer XW 522	72	57.8	-	-	-	-	-	-
Wakefield	71	55.9	53	-	-	-	3,534	-
Pioneer XW 523	71	57.6	-	-	-	-	-	-
Jackson	68	55.0	-	-	-	-	4,009	-
Madison	67	57.1	-	-	-	-	3,766	3,194
Florida 304	67	56.5	-	38	54.6	40	4,168	-
Florida 302	65	55.8	50	36	51.0	34	3,539	3,423
Northrup King								
Coker 9134	64	55.8	55	-	-	-	-	-
Pioneer 2566	63	56.1	-	-	-	-	-	-
SC 850559	63	56.4	-	-	-	-	-	-
Saluda	62	57.0	44	20	49.0	21	3,901	3,642
Bayles	61	54.3	49	32	46.5	36	3,465	3,092
GA 100	61	54.0	46	34	50.2	37	3,405	3,320
GA ANDY	57	56.9	-	40	53.4	40	3,912	3,239
GA GORE	53	55.4	41	35	52.1	41	3,499	3,469
Stacy	-	-	-	-	-	-	4,034	-
Test Mean	65	56.3	48	34	51.0	35	3,748	3,340
L.S.D. (.10)	6	-	5	7	-	6	779	590
C.V. (%)	6	-	8	15	-	13	15	13
<b>Oats</b>								
Simpson	124	33.1	103	-	-	-	4,684	4,053
Citation	103	32.8	90	76	31.5	71	3,689	3,866
Ga Mitchell	88	34.2	80	88	34.1	74	4,229	4,035
87-9	71	32.4	-	-	-	-	-	-
Florida 501	48	24.1	-	68	29.7	56	3,760	3,603
Florida 502	42	29.9	42	57	31.1	49	3,716	3,443
Ozark	-	-	-	-	-	-	3,932	-
Test Mean	79	31.1	79	72	31.6	63	4,002	3,800
L.S.D. (.10)	17	-	11	7	-	8	697	592
C.V. (%)	14	-	10	6	-	9	12	11
<b>Rye</b>								
Dothan Grazer 93	-	-	-	-	-	-	5,071	-
NF 73	-	-	-	-	-	-	4,920	-
AFC 93-40	-	-	-	-	-	-	4,835	-
AFC 93-30	-	-	-	-	-	-	4,803	-
Winter Magic	-	-	-	-	-	-	4,717	-
Bonel	-	-	-	-	-	-	4,715	4,558
Kelly Grazer	-	-	-	-	-	-	4,604	-
AFC 20-20	-	-	-	-	-	-	4,515	4,398
Jasmin Grazer	-	-	-	-	-	-	4,463	-
Sawan Grazer	-	-	-	-	-	-	4,456	4,633
Dossco Grazer III	-	-	-	-	-	-	4,364	-
TFC 93-40	-	-	-	-	-	-	4,279	-
Wintergrazer 70	-	-	-	-	-	-	4,257	4,509
Gurley Grazer 2000	-	-	-	-	-	-	4,257	-
Wren's Abruzzi AL	-	-	-	-	-	-	4,104	4,234
FL 8727-L1	-	-	-	-	-	-	3,900	-
Florida 401	-	-	-	-	-	-	3,478	3,842
Florida 402	-	-	-	-	-	-	3,307	3,846
Test Mean	-	-	-	-	-	-	4,391	4,289
L.S.D. (.10)	-	-	-	-	-	-	775	690
C.V. (%)	-	-	-	-	-	-	13	12
<b>Triticale</b>								
Florida 201	75	48.4	53	39	45.4	42	-	-
Sunland	67	51.4	-	35	48.1	41	-	-
Stan II	32	36.4	-	-	-	-	3,599	-
Test Mean	58	45.4	53	37	46.8	41	3,599	-
L.S.D. (.10)	15	-	7	13	-	8	-	-
C.V. (%)	15	-	10	15	-	13	-	-



Table 13. Performance of Small Grains at Monroeville, Alabama, 1994

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1994	3-Yr. Av.
	1994	Test Wt.	3-Yr. Av.	1994	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Wheat</b>								
Pioneer 2684	87	60.6	-	-	-	-	-	-
Wakefield	86	56.8	61	-	-	-	4,559	-
Pioneer XW 522	83	58.8	-	-	-	-	-	-
Pioneer 2566	82	58.4	-	-	-	-	-	-
Saluda	81	58.6	50	62	60.6	46	4,999	4,665
Madison	79	57.1	-	-	-	-	4,329	4,038
Pioneer XW 523	78	58.1	-	-	-	-	-	-
GA GORE	74	56.6	59	66	58.1	58	4,758	4,490
Florida 302	73	56.9	45	68	58.0	61	4,121	4,281
Florida 304	73	57.7	-	61	57.8	62	4,250	-
<b>Northrup King</b>								
Coker 9134	72	57.2	66	-	-	-	-	-
GA 100	71	53.9	46	66	57.0	65	4,153	4,053
Bayles	70	55.5	49	69	57.2	66	4,264	3,942
Jackson	68	58.0	-	-	-	-	5,027	-
SC 850559	57	56.4	-	-	-	-	-	-
GA ANDY	54	59.5	-	71	57.3	58	4,469	3,727
Stacy	-	-	-	-	-	-	4,439	-
Test Mean	74	57.5	54	66	58.0	59	4,488	4,171
L.S.D. (.10)	13	-	10	6	-	12	578	403
C.V. (%)	12	-	13	6	-	15	9	7
<b>Oats</b>								
Ga Mitchell	125	37.0	108	118	35.4	122	4,862	4,511
Citation	97	35.1	88	121	35.2	121	4,944	4,697
87-9	94	36.3	-	-	-	-	-	-
Simpson	92	33.3	78	-	-	-	5,795	4,631
Florida 501	56	32.6	-	102	34.3	87	5,180	4,543
Florida 502	53	34.6	73	125	36.9	114	4,941	4,406
Ozark	-	-	-	-	-	-	5,813	-
Test Mean	86	34.8	87	117	35.5	111	5,256	4,558
L.S.D. (.10)	19	-	16	7	-	14	827	567
C.V. (%)	15	-	14	4	-	9	11	9
<b>Rye</b>								
Gurley Grazer 2000	-	-	-	-	-	-	5,793	-
AFC 20-20	-	-	-	-	-	-	5,269	4,860
Winter Magic	-	-	-	-	-	-	5,060	-
Jasmin Grazer	-	-	-	-	-	-	5,057	-
Dossco Grazer III	-	-	-	-	-	-	5,016	-
Sawan Grazer	-	-	-	-	-	-	5,007	5,257
TFC 93-40	-	-	-	-	-	-	4,866	-
Florida 402	-	-	-	-	-	-	4,803	4,800
Wintergrazer 70	-	-	-	-	-	-	4,787	4,991
Kelly Grazer	-	-	-	-	-	-	4,775	-
AFC 93-40	-	-	-	-	-	-	4,727	-
Bonel	-	-	-	-	-	-	4,704	5,052
AFC 93-30	-	-	-	-	-	-	4,651	-
Wren's Abruzzi AL	-	-	-	-	-	-	4,354	4,522
NF 73	-	-	-	-	-	-	4,279	-
Florida 401	-	-	-	-	-	-	4,108	4,082
Dothan Grazer 93	-	-	-	-	-	-	4,095	-
FL 8727-L1	-	-	-	-	-	-	3,794	-
Test Mean	-	-	-	-	-	-	4,730	4,795
L.S.D. (.10)	-	-	-	-	-	-	712	760
C.V. (%)	-	-	-	-	-	-	11	12
<b>Triticale</b>								
Florida 201	74	49.1	54	58	42.4	59	-	-
Sunland	68	52.0	-	48	45.1	50	-	-
Stan II	37	39.6	-	-	-	-	4,770	-
Test Mean	60	46.9	54	53	43.8	54	4,770	-
L.S.D. (.10)	5	-	9	19	-	19	-	-
C.V. (%)	4	-	12	15	-	24	-	-

Table 14. Performance of Small Grains at Brewton, Alabama, 1994

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1994	3-Yr. Av.
	1994	Test Wt.	3-Yr. Av.	1994	Test Wt.	3-Yr. Av.		
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<b>Wheat</b>								
Pioneer XW 522	54	54.6	-	-	-	-	-	-
Jackson	54	54.9	-	-	-	-	3,796	-
Pioneer 2684	54	57.7	-	-	-	-	-	-
Florida 302	53	55.1	33	51	54.7	36	3,446	3,085
Bayles	52	52.2	31	52	53.5	36	3,102	2,851
SC 850559	52	55.2	-	-	-	-	-	-
Pioneer XW 523	50	55.1	-	-	-	-	-	-
<b>Northrup King</b>								
Coker 9134	50	54.9	39	-	-	-	-	-
Florida 304	49	55.4	-	47	55.2	37	3,727	-
Madison	48	54.2	-	-	-	-	3,031	2,724
Pioneer 2566	44	55.5	-	-	-	-	-	-
Wakefield	42	51.8	33	-	-	-	3,592	-
Saluda	40	56.4	27	53	55.4	29	3,170	3,004
GA GORE	38	54.6	30	51	54.7	39	3,352	3,184
GA 100	38	50.4	23	48	54.7	34	3,046	2,942
GA ANDY	36	55.8	-	54	55.4	36	3,434	2,780
Stacy	-	-	-	-	-	-	3,250	-
Test Mean	47	54.6	31	51	54.8	35	3,359	2,938
L.S.D. (.10)	7	-	5	5	-	8	268	368
C.V. (%)	10	-	13	6	-	18	6	9
<b>Oats</b>								
Ga Mitchell	122	35.4	89	100	34.8	71	4,248	3,574
Simpson	112	33.1	65	-	-	-	3,862	3,392
Citation	93	34.5	73	101	34.1	68	4,046	3,762
87-9	79	35.4	-	-	-	-	-	-
Florida 501	69	33.5	-	87	33.8	54	4,160	3,561
Florida 502	66	35.7	34	75	34.2	50	3,962	3,459
Ozark	-	-	-	-	-	-	3,639	-
Test Mean	90	34.6	65	91	34.2	61	3,986	3,549
L.S.D. (.10)	11	-	12	10	-	12	526	365
C.V. (%)	8	-	13	7	-	14	9	7
<b>Rye</b>								
TFC 93-40	-	-	-	-	-	-	4,162	-
Wintergrazer 70	-	-	-	-	-	-	4,109	4,342
Dossco Grazer III	-	-	-	-	-	-	4,091	-
Sawan Grazer	-	-	-	-	-	-	4,087	3,991
NF 73	-	-	-	-	-	-	4,039	-
Gurley Grazer 2000	-	-	-	-	-	-	4,021	-
Winter Magic	-	-	-	-	-	-	3,981	-
Jasmin Grazer	-	-	-	-	-	-	3,930	-
Dothan Grazer 93	-	-	-	-	-	-	3,924	-
Kelly Grazer	-	-	-	-	-	-	3,919	-
Wren's Abruzzi AL	-	-	-	-	-	-	3,896	4,109
Bonel	-	-	-	-	-	-	3,835	3,975
AFC 93-30	-	-	-	-	-	-	3,829	-
AFC 93-40	-	-	-	-	-	-	3,822	-
FL 8727-L1	-	-	-	-	-	-	3,716	-
AFC 20-20	-	-	-	-	-	-	3,663	4,115
Florida 401	-	-	-	-	-	-	3,613	3,778
Florida 402	-	-	-	-	-	-	3,390	3,751
Test Mean	-	-	-	-	-	-	3,890	4,009
L.S.D. (.10)	-	-	-	-	-	-	477	462
C.V. (%)	-	-	-	-	-	-	9	8
<b>Triticale</b>								
Sunland	59	52.3	-	58	52.4	36	-	-
Florida 201	58	49.5	32	52	47.5	35	-	-
Stan II	15	36.6	-	-	-	-	3,380	-
Test Mean	44	46.1	32	55	50.0	36	3,380	-
L.S.D. (.10)	4	-	4	5	-	5	-	-
C.V. (%)	5	-	9	3	-	10	-	-

Table 15. Performance of Small Grains at Headland, Alabama, 1994

Brand-variety	Grain Only Yield/Acre <sup>1</sup>						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1994	3-Yr. Av.
	1994 Test Wt.	3-Yr. Av.		1994 Test Wt.	3-Yr. Av.			
	Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.
<u>Wheat</u>								
Saluda . . . . .	-	-	-	-	-	-	8,894	6,955
Wakefield . . . . .	-	-	-	-	-	-	7,815	-
Stacy . . . . .	-	-	-	-	-	-	7,679	-
Jackson . . . . .	-	-	-	-	-	-	7,485	-
Florida 302 . . . . .	-	-	-	-	-	-	7,135	5,751
GA GORE . . . . .	-	-	-	-	-	-	7,135	6,872
GA ANDY . . . . .	-	-	-	-	-	-	7,062	5,660
Florida 304 . . . . .	-	-	-	-	-	-	7,006	-
Madison . . . . .	-	-	-	-	-	-	6,954	5,566
GA 100 . . . . .	-	-	-	-	-	-	6,728	5,987
Bayles . . . . .	-	-	-	-	-	-	6,612	5,990
Test Mean . . . . .	-	-	-	-	-	-	7,319	6,112
L.S.D. (.10) . . . . .	-	-	-	-	-	-	1,210	986
C.V. (%) . . . . .	-	-	-	-	-	-	12	12
<u>Oats</u>								
Simpson . . . . .	-	-	-	-	-	-	10,541	9,050
Ozark . . . . .	-	-	-	-	-	-	9,299	-
Florida 502 . . . . .	-	-	-	-	-	-	9,035	7,885
Florida 501 . . . . .	-	-	-	-	-	-	8,774	7,771
Ga Mitchell . . . . .	-	-	-	-	-	-	8,630	8,270
Citation . . . . .	-	-	-	-	-	-	7,948	8,086
Test Mean . . . . .	-	-	-	-	-	-	9,038	8,212
L.S.D. (.10) . . . . .	-	-	-	-	-	-	2,126	1,655
C.V. (%) . . . . .	-	-	-	-	-	-	16	15
<u>Rye</u>								
Gurley Grazer 2000 . . . . .	-	-	-	-	-	-	11,596	-
TFC 93-40 . . . . .	-	-	-	-	-	-	11,315	-
Dosco Grazer III . . . . .	-	-	-	-	-	-	11,227	-
Sawan Grazer . . . . .	-	-	-	-	-	-	11,213	9,012
AFC 20-20 . . . . .	-	-	-	-	-	-	11,132	9,715
AFC 93-30 . . . . .	-	-	-	-	-	-	11,128	-
Winter Magic . . . . .	-	-	-	-	-	-	10,896	-
Jasmin Grazer . . . . .	-	-	-	-	-	-	10,865	-
Wintergrazer 70 . . . . .	-	-	-	-	-	-	10,837	9,164
Florida 401 . . . . .	-	-	-	-	-	-	10,592	9,229
Bonel . . . . .	-	-	-	-	-	-	10,591	9,279
Dothan Grazer 93 . . . . .	-	-	-	-	-	-	10,533	-
NF 73 . . . . .	-	-	-	-	-	-	10,390	-
AFC 93-40 . . . . .	-	-	-	-	-	-	10,062	-
Wren's Abruzzi AL . . . . .	-	-	-	-	-	-	9,025	9,050
Kelly Grazer . . . . .	-	-	-	-	-	-	8,955	-
FL 8727-L1 . . . . .	-	-	-	-	-	-	8,817	-
Florida 402 . . . . .	-	-	-	-	-	-	7,135	7,720
Test Mean . . . . .	-	-	-	-	-	-	10,350	9,024
L.S.D. (.10) . . . . .	-	-	-	-	-	-	1,295	1,363
C.V. (%) . . . . .	-	-	-	-	-	-	9	11
<u>Triticale</u>								
Stan II . . . . .	-	-	-	-	-	-	6,844	-
Test Mean . . . . .	-	-	-	-	-	-	6,844	-
L.S.D. (.10) . . . . .	-	-	-	-	-	-	-	-
C.V. (%) . . . . .	-	-	-	-	-	-	-	-

<sup>1</sup>Grain only regular and late plantings were not harvest.

Table 16. Performance of Small Grains at Fairhope, Alabama, 1994

Brand-variety	Grain Only Yield/Acre						Forage Only Yield/Acre	
	Regular Planting			Late Planting			1994	3-Yr. Av.
	1994	Test Wt.	3-Yr. Av.	1994	Test Wt.	3-Yr. Av.		
Bu.	Lb./Bu.	Bu.	Bu.	Lb./Bu.	Bu.	Lb.	Lb.	
<u>Wheat</u>								
Pioneer XW 522 . . . . .	69	56.8	-	-	-	-	-	-
GA ANDY . . . . .	66	58.4	-	66	56.7	55	3,576	3,913
Pioneer 2684 . . . . .	64	58.1	-	-	-	-	-	-
Wakefield . . . . .	59	55.7	44	-	-	-	5,234	-
Florida 304 . . . . .	57	56.8	-	50	55.0	49	5,694	-
Pioneer XW 523 . . . . .	56	55.4	-	-	-	-	-	-
Bayles . . . . .	56	56.2	48	53	52.6	43	4,686	4,801
Pioneer 2566 . . . . .	55	56.1	-	-	-	-	-	-
Saluda . . . . .	54	57.8	29	38	56.2	24	5,470	5,407
Florida 302 . . . . .	54	56.3	43	39	54.7	29	5,044	4,968
GA GORE . . . . .	53	56.1	45	56	54.5	43	5,243	5,690
Madison . . . . .	52	55.3	-	-	-	-	5,068	4,782
SC 850559 . . . . .	50	58.2	-	-	-	-	-	-
Jackson . . . . .	49	55.0	-	-	-	-	5,632	-
<u>Northrup King</u>								
Coker 9134 . . . . .	48	55.4	37	-	-	-	-	-
GA 100 . . . . .	48	53.1	37	45	52.7	30	4,757	4,655
<u>Stacy</u>								
Test Mean . . . . .	56	56.3	40	50	54.6	39	5,104	4,888
L.S.D. (.10) . . . . .	12	-	8	4	-	6	729	653
C.V. (%) . . . . .	16	-	15	6	-	11	10	10
<u>Oats</u>								
Ga Mitchell . . . . .	89	33.4	63	94	31.6	66	4,516	4,999
Florida 502 . . . . .	74	35.4	40	78	35.0	56	3,811	4,560
Florida 501 . . . . .	62	35.1	-	43	30.9	35	4,107	4,638
Citation . . . . .	43	32.9	38	44	29.6	28	4,280	5,146
87-9 . . . . .	37	33.2	-	-	-	-	-	-
Simpson . . . . .	34	30.1	18	-	-	-	4,617	5,040
<u>Ozark</u>								
Test Mean . . . . .	56	33.4	40	65	31.8	46	4,264	4,876
L.S.D. (.10) . . . . .	25	-	17	23	-	15	485	468
C.V. (%) . . . . .	29	-	31	23	-	23	8	7
<u>Rye</u>								
NF 73 . . . . .	-	-	-	-	-	-	5,635	-
Winter Magic . . . . .	-	-	-	-	-	-	5,573	-
Dothan Grazer 93 . . . . .	-	-	-	-	-	-	5,523	-
Bonel . . . . .	-	-	-	-	-	-	5,295	5,556
Wintergrazer 70 . . . . .	-	-	-	-	-	-	5,282	5,418
AFC 20-20 . . . . .	-	-	-	-	-	-	5,257	5,669
Kelly Grazer . . . . .	-	-	-	-	-	-	5,255	-
AFC 93-40 . . . . .	-	-	-	-	-	-	5,238	-
Sawan Grazer . . . . .	-	-	-	-	-	-	5,174	5,509
AFC 93-30 . . . . .	-	-	-	-	-	-	5,152	-
Gurley Grazer 2000 . . . . .	-	-	-	-	-	-	5,134	-
Wren's Abruzzi AL . . . . .	-	-	-	-	-	-	4,996	5,255
TFC 93-40 . . . . .	-	-	-	-	-	-	4,839	-
Dossco Grazer III . . . . .	-	-	-	-	-	-	4,674	-
Jasmin Grazer . . . . .	-	-	-	-	-	-	4,621	-
Florida 402 . . . . .	-	-	-	-	-	-	4,086	4,920
FL 8727-L1 . . . . .	-	-	-	-	-	-	3,539	-
Florida 401 . . . . .	-	-	-	-	-	-	3,428	3,792
Test Mean . . . . .	-	-	-	-	-	-	4,928	5,160
L.S.D. (.10) . . . . .	-	-	-	-	-	-	696	652
C.V. (%) . . . . .	-	-	-	-	-	-	10	9
<u>Triticale</u>								
Sunland . . . . .	75	56.2	-	68	54.9	53	-	-
Florida 201 . . . . .	67	52.9	41	74	51.8	47	-	-
Stan II . . . . .	19	41.9	-	-	-	-	4,416	-
Test Mean . . . . .	54	50.3	41	71	53.4	50	4,416	-
L.S.D. (.10) . . . . .	12	-	6	7	-	6	-	-
C.V. (%) . . . . .	13	-	10	4	-	8	-	-

Table 17. Septoria Blotch Ratings for Wheat Varieties in Alabama, 1993-94<sup>1</sup>

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles . . . . .	5.0	3.3	3.0
Florida 302 . . . . .	2.3	3.0	1.4
Florida 304 . . . . .	-	2.0	3.4
GA 100 . . . . .	3.7	0.5	1.8
GA ANDY . . . . .	3.3	1.7	2.8
GA GORE . . . . .	3.0	1.5	2.0
Jackson . . . . .	2.3	2.0	1.2
Madison . . . . .	3.0	1.7	0.6
Northrup King Coker 9134 . . . . .	-	-	2.0
Northrup King Coker 9543 . . . . .	3.3	-	-
Northrup King Coker 9803 . . . . .	2.0	-	-
Pioneer 2566 . . . . .	3.0	3.3	2.2
Pioneer 2580 . . . . .	4.3	-	-
Pioneer 2684 . . . . .	3.3	2.0	1.7
Pioneer XW 522 . . . . .	2.3	2.0	1.6
Pioneer XW 523 . . . . .	3.3	2.0	0.5
SC 850559 . . . . .	3.0	2.0	3.0
Saluda . . . . .	1.0	1.3	0.8
Terral 101 . . . . .	4.0	-	-
Wakefield . . . . .	2.3	2.3	1.0

Southern Alabama

Late Planting

Bayles . . . . .	-	-	1.8
Florida 302 . . . . .	-	-	0.8
Florida 304 . . . . .	-	-	2.8
GA 100 . . . . .	-	-	1.0
GA ANDY . . . . .	-	-	2.0
GA GORE . . . . .	-	-	1.8
Saluda . . . . .	-	-	0.5

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

Table 18. Leaf Rust Ratings for Wheat Varieties in Alabama, 1993-94<sup>1</sup>

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles . . . . .	0.0	0.0	0.0
Florida 302 . . . . .	4.0	0.0	2.4
Florida 304 . . . . .	-	1.5	0.0
GA 100 . . . . .	1.0	0.5	0.8
GA ANDY . . . . .	0.3	0.0	1.6
GA GORE . . . . .	0.0	1.5	0.6
Jackson . . . . .	2.7	0.0	0.8
Madison . . . . .	1.0	1.3	1.0
Northrup King Coker 9134 . . . . .	-	-	0.0
Northrup King Coker 9543 . . . . .	0.7	-	-
Northrup King Coker 9803 . . . . .	0.0	-	-
Pioneer 2566 . . . . .	0.3	0.3	0.0
Pioneer 2580 . . . . .	1.3	-	-
Pioneer 2684 . . . . .	0.0	0.0	0.0
Pioneer XW 522 . . . . .	0.0	0.0	0.0
Pioneer XW 523 . . . . .	1.3	0.0	1.4
SC 850559 . . . . .	0.0	0.0	0.2
Saluda . . . . .	4.0	0.0	1.8
Terral 101 . . . . .	0.0	-	-
Wakefield . . . . .	2.0	0.3	0.4

Southern Alabama

Late Plantings

Bayles . . . . .	-	-	0.0
Florida 302 . . . . .	-	-	0.0
Florida 304 . . . . .	-	-	0.0
GA 100 . . . . .	-	-	0.0
GA ANDY . . . . .	-	-	0.3
GA GORE . . . . .	-	-	0.0
Saluda . . . . .	-	-	0.0

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

Table 19. Powdery Mildew Ratings for Wheat Varieties in Alabama, 1993-94<sup>1</sup>

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles . . . . .	0.0	0.0	0.0
Florida 302 . . . . .	0.0	0.0	0.4
Florida 304 . . . . .	-	0.0	0.0
GA 100 . . . . .	0.0	0.5	0.0
GA ANDY . . . . .	0.0	0.0	0.6
GA GORE . . . . .	0.3	0.0	0.2
Jackson . . . . .	0.0	0.0	0.0
Madison . . . . .	1.0	0.0	0.8
Northrup King Coker 9134 . . . . .	-	-	0.2
Northrup King Coker 9543 . . . . .	0.7	-	-
Northrup King Coker 9803 . . . . .	0.0	-	-
Pioneer 2566 . . . . .	0.0	0.0	0.0
Pioneer 2580 . . . . .	0.0	-	-
Pioneer 2684 . . . . .	0.0	0.0	0.0
Pioneer XW 522 . . . . .	0.3	0.0	0.2
Pioneer XW 523 . . . . .	0.0	0.0	0.0
SC 850559 . . . . .	0.0	0.0	0.0
Saluda . . . . .	2.7	0.7	1.0
Terral 101 . . . . .	0.0	-	-
Wakefield . . . . .	0.0	0.0	1.0

Southern Alabama

Late Planting

Bayles . . . . .	-	-	0.8
Florida 302 . . . . .	-	-	0.0
Florida 304 . . . . .	-	-	1.0
GA 100 . . . . .	-	-	0.0
GA ANDY . . . . .	-	-	0.0
GA GORE . . . . .	-	-	0.0
Saluda . . . . .	-	-	1.8

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

Table 20. Barley Yellow Dwarf Ratings for Wheat Varieties in Alabama 1993-94<sup>1</sup>

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles . . . . .	0.0	0.0	0.0
Florida 302 . . . . .	0.0	0.0	0.0
Florida 304 . . . . .	-	0.0	0.0
GA 100 . . . . .	0.0	0.0	0.0
GA ANDY . . . . .	0.0	0.0	0.0
GA GORE . . . . .	0.0	0.0	0.0
Jackson . . . . .	0.0	0.0	0.0
Madison . . . . .	0.0	0.0	0.0
Northrup King Coker 9134 . . . . .	-	-	0.0
Northrup King Coker 9543 . . . . .	0.0	-	-
Northrup King Coker 9803 . . . . .	0.0	-	-
Pioneer 2566 . . . . .	0.0	0.0	0.0
Pioneer 2580 . . . . .	0.0	-	-
Pioneer 2684 . . . . .	0.0	0.0	0.0
Pioneer XW 522 . . . . .	0.0	0.0	0.0
Pioneer XW 523 . . . . .	0.0	0.0	0.0
SC 850559 . . . . .	0.0	0.0	0.0
Saluda . . . . .	0.0	0.0	0.0
Terral 101 . . . . .	0.0	-	-
Wakefield . . . . .	0.0	0.0	0.0

Southern Alabama

Late Planting

Bayles . . . . .	-	-	0.0
Florida 302 . . . . .	-	-	0.0
Florida 304 . . . . .	-	-	0.0
GA 100 . . . . .	-	-	5.0
GA ANDY . . . . .	-	-	0.0
GA GORE . . . . .	-	-	0.0
Saluda . . . . .	-	-	0.0

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



Table 21. Soilborne Mosaic Ratings for Wheat Varieties in Alabama, 1993-94<sup>1</sup>

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles . . . . .	0.0	0.0	0.0
Florida 302 . . . . .	0.0	0.0	16.0
Florida 304 . . . . .	-	0.0	0.0
GA 100 . . . . .	0.0	0.0	0.0
GA ANDY . . . . .	0.0	0.0	0.0
GA GORE . . . . .	0.0	0.0	0.0
Jackson . . . . .	0.0	0.0	0.0
Madison . . . . .	6.7	0.0	0.0
Northrup King Coker 9134 . . . . .	-	-	0.0
Northrup King Coker 9543 . . . . .	6.7	-	-
Northrup King Coker 9803 . . . . .	0.0	-	-
Pioneer 2566 . . . . .	0.0	0.0	0.0
Pioneer 2580 . . . . .	0.0	-	-
Pioneer 2684 . . . . .	10.0	0.0	0.0
Pioneer XW 522 . . . . .	6.7	0.0	0.0
Pioneer XW 523 . . . . .	10.0	0.0	0.0
SC 850559 . . . . .	0.0	0.0	0.0
Saluda . . . . .	0.0	0.0	0.0
Terral 101 . . . . .	0.0	-	-
Wakefield . . . . .	0.0	0.0	0.0
<u>Southern Alabama</u>			
Late Planting			
Bayles . . . . .	-	-	0.0
Florida 302 . . . . .	-	-	0.0
Florida 304 . . . . .	-	-	0.0
GA 100 . . . . .	-	-	0.0
GA ANDY . . . . .	-	-	0.0
GA GORE . . . . .	-	-	0.0
Saluda . . . . .	-	-	0.0

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

Table 22. Soilborne Mosaic Ratings for Wheat Varieties in On-Farm Tests in Alabama, 1993-94<sup>1</sup>

Brand-variety	Farm 1 Autauga County	Farm 2 Madison County
Bayles . . . . .	12.0	8.0
Florida 302 . . . . .	72.0	0.0
GA 100. . . . .	8.0	4.0
GA GORE . . . . .	52.0	20.0
Jackson . . . . .	24.0	0.0
Madison . . . . .	8.0	24.0
Northrup King Coker 9134 . . . . .	4.0	68.0
Northrup King Coker 9543 . . . . .	28.0	36.0
Northrup King Coker 9803 . . . . .	28.0	0.0
Northrup King Coker 9835 . . . . .	28.0	4.0
Pioneer 2566 . . . . .	8.0	0.0
Pioneer 2684 . . . . .	12.0	84.0
Saluda . . . . .	68.0	0.0
Terral 101 . . . . .	36.0	0.0
Wakefield. . . . .	4.0	4.0

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

Table 23. Disease Ratings for Barley Varieties in Northern Alabama 1993-94<sup>1</sup>

Brand-variety	Stripe	Spot blotch	Net blotch
Nomini . . . . .	0.0	0.7	1.7
Pamunkey. . . . .	0.0	1.5	2.5
Starling . . . . .	0.0	1.0	1.0
Wysor . . . . .	0.0	0.2	1.7

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

Table 24. Disease Ratings for Triticale Varieties in Alabama 1993-94

Brand-variety	Septoria blotch <sup>1</sup>	Leaf rust <sup>1</sup>	Barley yellow dwarf <sup>2</sup>
<u>Northern Alabama</u>			
Florida 201 . . . . .	5.0	0.0	0.0
Stan II . . . . .	4.3	0.0	0.0
Sunland . . . . .	4.7	0.0	0.0
<u>Central Alabama</u>			
Florida 201 . . . . .	2.7	0.0	0.0
Stan II . . . . .	2.7	0.0	0.0
Sunland . . . . .	2.0	0.0	0.0
<u>Southern Alabama</u>			
Florida 201 . . . . .	3.0	0.0	0.0
Stan II . . . . .	4.0	0.0	0.0
Sunland . . . . .	5.0	0.0	2.0
<u>Southern Alabama - Late Planting</u>			
Florida 201 . . . . .	3.8	0.0	0.0
Sunland . . . . .	3.5	0.0	0.0

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

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

Table 25. Disease Ratings for Oat Varieties in Alabama, 1993-94

Brand-variety	Helminthosporium leaf spot <sup>1</sup>	Leaf rust <sup>1</sup>	Barley yellow dwarf <sup>2</sup>
<u>Northern Alabama</u>			
87-9 . . . . .	2.5	0.0	0.0
GA Mitchell . . . . .	2.0	0.0	0.0
Northrup King Coker 716. . . . .	3.0	0.3	0.0
Ozark. . . . .	2.3	0.0	0.0
Simpson . . . . .	2.7	0.3	0.0
<u>Central Alabama</u>			
87-9 . . . . .	2.3	0.0	0.0
Citation. . . . .	2.7	0.0	0.0
Florida 501 . . . . .	2.3	0.0	0.0
Florida 502 . . . . .	2.7	0.0	0.0
GA Mitchell . . . . .	2.7	0.0	0.0
Ozark. . . . .	2.7	0.0	0.0
Simpson . . . . .	2.3	0.0	0.0
<u>Southern Alabama</u>			
87-9 . . . . .	1.2	0.0	0.0
Citation. . . . .	1.4	0.0	0.0
Florida 501 . . . . .	1.3	0.0	0.0
Florida 502 . . . . .	2.1	0.0	0.0
GA Mitchell . . . . .	1.2	0.0	0.0
Simpson . . . . .	1.0	0.0	0.0
<u>Southern Alabama - Late Planting</u>			
Citation. . . . .	1.1	0.0	0.0
Florida 501 . . . . .	1.4	0.3	0.0
Florida 502 . . . . .	0.3	0.0	0.0
GA Mitchell . . . . .	0.9	0.0	0.0

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

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

## SOURCES OF SEED

### WHEAT

Bayles, GA-ANDY, Stacy, GA-GORE, GA-100	Univ. of Georgia, Georgia Station Griffin, Georgia
Coker (all varieties, brands, and hybrids)	Northrup King Co., Grifton, North Carolina
Florida 302, Florida 304	Univ. of Florida, Agric. Res. Ctr., Quincy, Florida
Jackson	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Pioneer (all varieties, brands, and hybrids)	Pioneer Hi-Bred International, Inc. Tipton, Indiana
Saluda, Madison, Wakefield	Alabama Crop Improvement Assoc. Auburn, Alabama
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. Grifton, North Carolina

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

87-9

Arkansas County Seed  
Stuttgart, Arkansas

### **BARLEY**

Pamunkey, Wysor, Nomini,  
Starling (formerly VA 85-44-226)

Department of Agronomy  
Virginia Polytechnic Inst.  
Blacksburg, Virginia

### **TRITICALE**

Stan II

Resource Seeds, Inc.  
Union, Kentucky

Florida 201, Sunland

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

### **RYE**

AFC 20-20

Alabama Farmer's Coop., Inc.  
Decatur, Alabama

Dossco Grazer II

Dothan Seed and Supply  
Dothan, Alabama

Volunteer Magic, Winter Magic

Tennessee Farmer's Coop, Inc.  
LaVergne, Tennessee

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

AFC 93-10, AFC 93-20,  
AFC 93-30, AFC 93-40,  
TFC 93-40, Dothan Grazer 93

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

Samuel Roberts Noble Foundation, Inc.  
Ardmore, Oklahoma

Jasmin Grazer  
Graze Master(formerly Graze King 90)

Gabriel Gurley  
Selma, North Carolina

Sawan Grazer II

Sawan Seed Co.  
Pelham, Georgia

Kelley Grazer

Kelly Seed Co.  
Hartford, Alabama



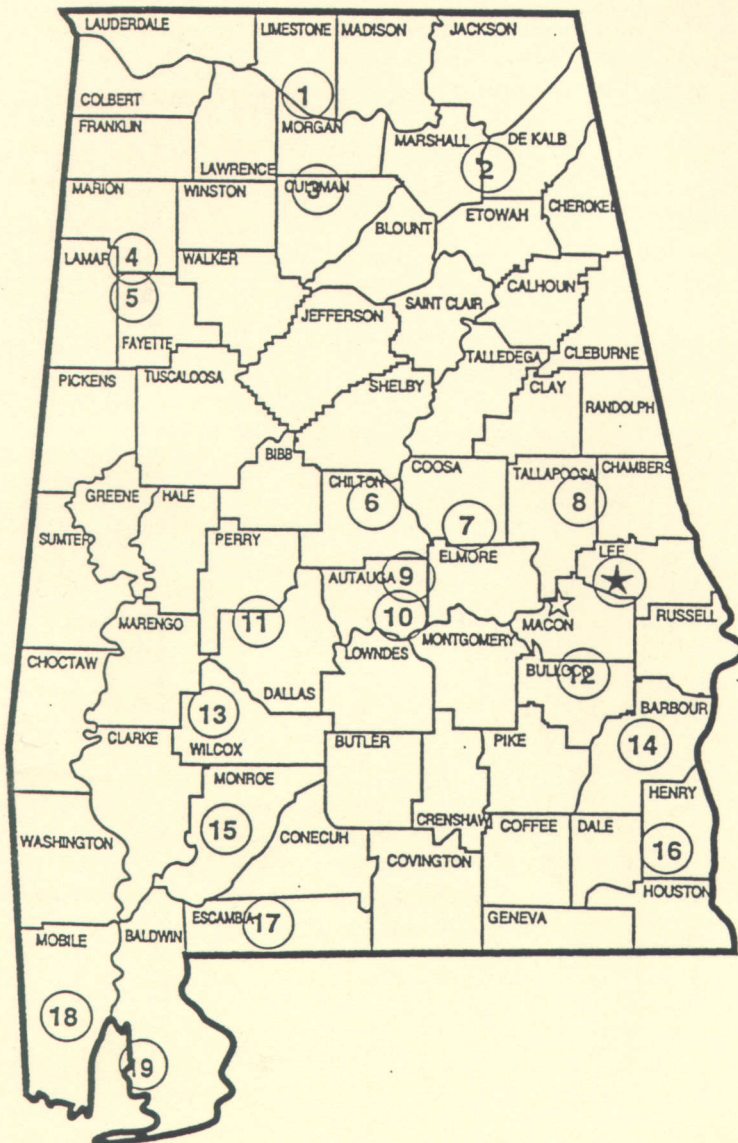




# Alabama's Agricultural Experiment Station System AUBURN UNIVERSITY

★ 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.