



1990
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 1990 ALABAMA PERFORMANCE COMPARISON
OF SMALL GRAIN VARIETIES

Donald L. Thurlow and W.C. Johnson¹

INTRODUCTION

The large number of commercially available varieties of wheat, oats, 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.

Data from tests conducted at 12 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 three management systems: grain only, grain following grazing, 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. However, due to lack of moisture, the Headland,

¹Associate Professor and Professor of Agronomy and Soils, respectively.

Fairhope, and Camden tests in 1988 were planted November 22 and 30 and December 7, respectively. Planting dates for all tests in 1989 were delayed because of excess rainfall, table 1. 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.

Grain following grazing: The grazing tests were located at Winfield and Camden only. These tests were grazed periodically during fall and winter, followed by removal of cattle in February or early March to allow the crop to joint and produce grain. These tests were planted around October 1, and fertilized at planting with 100 pounds N per acre. The plots were grazed closely each time 6-8 inches of forage were available, but no animal or forage data were taken. The grazing was stopped in late February or early March. The test was then topdressed with 60 pounds N per acre and allowed to joint and produce grain.

Forage only: The forage-only tests were usually planted around October 1; however, in 1987 only the tests at Tallassee and Headland were planted October 1 and October 9, respectively. All other locations were planted in late October to early November 1987 because of dry conditions. The tests in 1988 & 1989 were all planted at normal times in late September to early October. The 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 percent of the plants in the stand broken or leaning that would likely be missed by a combine. The 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 are given in tables 16 through 21. Dr. Robert T. Gudauskas, Department 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, while most of the common diseases were prevalent in most tests, the incidence and severity of diseases were generally a little lighter than last year. Leaf rust was light to severe and Septoria blotch was moderate to severe on wheat entries at most locations. Although occasional outbreaks of powdery mildew occurred in some tests, e.g. at Crossville and Headland, incidence of this disease was generally very light. With few exceptions, only trace levels of barley yellow dwarf were noted in wheat varieties statewide. Incidence of loose smut was

very low everywhere, and stem rust was not seen in any test this year. On oats, crown rust was moderate to severe on most entries in the tests at Fairhope and Headland, as was Helminthosporium leafspot at Camp Hill and Winfield and barley yellow dwarf at Belle Mina. Otherwise, oat entries were little affected by disease.

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 1988-89 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; this resulted in cold damage at northern locations. Conditions in the 1989-90 season were wetter than normal in late October and through November, resulting in many of the tests for grain only being planted in early December. Cool and wet conditions in December resulted in slow germination and development. 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. This was the second year in a row that low yields were the result of insufficient vernalization.

Table 1. Location and Planting and Harvest Dates for 1989-90 Small Grain Tests

Location	Date planted	Date harvested
<u>Northern Alabama</u>		
Tennessee Valley Substation (Belle Mina)		
Small grain forage only	September 28	
Small grain grain only	November 13	June 14
Sand Mountain Substation (Crossville)		
Small grain forage only	October 13	
Small grain grain only	October 26	June 5
Upper Coastal Plain Substation (Winfield)		
Small grain forage Only	October 9	
Small grain grain only	October 30	June 13
Small grain grain after grazing	October 9	June 15
<u>Central Alabama</u>		
Black Belt Substation (Marion Junction)		
Small grain forage only	October 4	
Small grain grain only	December 6	
Piedmont Substation (Camp Hill)		
Small grain forage only	October 24	
Small grain grain only	November 17	June 1 & June 4
E.V. Smith Research Center		
Plant Breeding Unit (Tallassee)		
Small grain forage only	October 10	
Small grain grain only	December 1	May 24
Prattville Experiment Field (Prattville)		
Small grain forage only	October 5	
Small grain grain only	November 29	June 6
<u>Southern Alabama</u>		
Brewton Experiment Field (Brewton)		
Small grain forage only	October 11	
Small grain grain only	December 6	June 12
Gulf Coast Substation (Fairhope)		
Small grain forage only	October 12	
Small grain grain only	November 21	May 24
Monroeville Experiment Field (Monroeville)		
Small grain forage only	October 11	
Small grain grain only	December 6	May 30 & June 18
Lower Coastal Plain Substation (Camden)		
Small grain forage only	October 6	June 6 & June 26
Small grain grain only	January 12	May 30
Small grain grain after grazing	October 6	
Wiregrass Substation (Headland)		
Small grain forage only	October 9	
Small grain grain only	December 11	June 6

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

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1990 AVERAGE			
	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	LODGING	HEIGHT	1/10	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
WHEAT										
PIONEER 2548	43	39	-	3,310	-	-	9	29	4-20	55.0
COKER 9024	42	-	-	-	-	-	3	36	4-23	54.7
WAKEFIELD	41	-	-	-	-	-	2	33	4-23	52.3
TYLER	40	35	49	2,629	3,560	3,499	3	34	4-24	51.3
TERRAL 101	40	36	-	2,770	-	-	2	33	4-22	53.0
COKER 9105	39	-	-	-	-	-	3	32	4-20	54.3
COKER 9835	38	-	-	-	-	-	3	29	4-19	52.3
FLORIDA 302	38	38	51	2,565	3,443	3,618	14	33	4-19	54.5
SALUDA	37	36	49	2,714	4,068	4,072	5	28	4-20	56.8
FILLMORE	37	34	46	2,860	4,051	3,881	2	34	4-30	55.3
CALDWELL	36	33	44	2,862	4,064	4,030	9	31	4-22	52.6
COKER 9733	36	34	-	2,687	3,684	-	19	33	4-17	56.7
COKER 9766	36	35	48	2,379	3,242	3,410	9	30	4-22	53.5
COKER 983	36	33	45	2,968	3,855	3,722	0	29	4-16	55.0
PIONEER 2555	35	36	49	2,994	4,011	-	3	31	4-20	54.4
BAYLES	35	-	-	-	-	-	2	31	4-18	51.1
MADISON	35	-	-	-	-	-	2	30	4-14	54.1
FFR 525W	34	34	-	2,485	-	-	3	32	4-17	54.9
PIONEER 2551	34	34	47	2,928	4,276	4,140	4	29	4-23	50.9
COKER 9323	33	34	49	2,651	3,632	3,577	3	28	4-18	53.9
COMPTON	33	29	41	2,264	3,661	3,694	10	30	4-22	55.4
MASSEY	32	29	44	3,316	4,399	4,382	22	30	4-18	54.5
GA GORE	31	-	-	-	-	-	1	29	4-13	54.1
STACY	30	27	39	2,722	3,919	3,906	9	33	4-16	54.4
WILLIAMS	30	27	44	2,641	4,168	4,052	5	31	4-19	49.6
GA 100	30	-	-	-	-	-	1	28	4-18	50.3
FFR 544W	29	-	-	-	-	-	2	31	4-20	53.3
GA ANDY	29	-	-	-	-	-	4	30	4-13	54.4
MCNAIR 1003	28	27	41	2,722	3,955	3,888	13	30	4-20	49.9
COKER 916	28	30	44	2,515	3,579	3,635	10	27	4-15	54.0
TRAVELER	27	27	39	2,848	3,486	-	6	29	4-16	54.5
FLORIDA 303	24	24	39	2,380	3,158	-	4	30	4-14	52.8
TEST MEAN	34	32	45	2,737	3,801	3,834	6	31	-	-
L. S. D. (.10)	7	8	9	442	573	575	-	-	-	-
C. V. (%)	15	18	16	12	11	11	-	-	-	-
OATS										
SIMPSON	65	54	75	1,589	2,850	2,898	1	38	5- 2	32.7
AR 102-S	62	-	-	1,540	-	-	2	37	4-30	33.7
FFR SF7630	58	52	-	1,699	3,179	-	5	40	4-28	33.1
COKER 716	58	53	76	1,756	3,196	3,294	3	38	5- 2	32.0
CITATION	56	53	78	1,446	2,714	2,822	4	37	4-29	33.4
BOB	48	-	-	1,284	-	-	7	34	4-29	34.5
COKER 227	44	43	70	1,408	2,887	3,124	7	36	4-30	31.4
833	42	47	70	1,511	2,794	2,901	2	35	5- 4	31.4
COKER 820	-	-	-	1,377	2,632	2,745	-	-	-	-
TEST MEAN	54	50	74	1,512	2,893	2,964	4	37	-	-
L. S. D. (.10)	11	11	13	301	363	398	-	-	-	-
C. V. (%)	15	15	13	15	9	10	-	-	-	-

CONTINUED

1/ WHEAT FORAGE YIELDS ARE FROM BELLE MINA AND WINFIELD.

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

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1990 AVERAGE			TEST WT. LB./BU.
	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	LODGING HEIGHT	1/10	TEST WT.	
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	
BARLEY										
WYSOR	53	51	64	2,847	3,469	3,526	8	34	4-22	39.1
SUSSEX	47	37	52	2,598	3,274	3,421	25	33	4-19	38.6
KEOWEE	34	32	45	2,083	2,817	3,178	22	33	4-25	37.2
BARSOY	34	32	47	2,054	2,737	3,129	24	32	4-14	38.2
ANSON	31	27	48	1,977	2,969	3,124	25	34	4-27	35.2
VOLBAR	26	29	45	-	-	-	28	35	4-25	36.0
TEST MEAN	37	35	50	2,312	3,053	3,276	22	34	-	-
L. S. D. (.10)	14	12	15	441	404	411	-	-	-	-
C. V. (%)	28	25	23	14	10	9	-	-	-	-
RYE										
WINTERGRAZER 70	-	-	-	3,283	3,063	3,005	-	-	-	-
NF 142	-	-	-	3,110	2,858	2,909	-	-	-	-
BONEL	-	-	-	2,995	2,999	2,932	-	-	-	-
MATON	-	-	-	2,977	2,928	3,053	-	-	-	-
GI 90	-	-	-	2,946	2,817	-	-	-	-	-
ELBON	-	-	-	2,876	2,778	2,802	-	-	-	-
AFC 20-20X	-	-	-	2,815	2,691	-	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	2,811	2,630	2,555	-	-	-	-
GI 87	-	-	-	2,794	2,688	-	-	-	-	-
NF 73	-	-	-	2,787	2,917	2,816	-	-	-	-
MGI 30-30	-	-	-	2,775	2,627	-	-	-	-	-
GI 87X	-	-	-	2,749	2,832	2,738	-	-	-	-
AFC 20-30	-	-	-	2,744	2,766	-	-	-	-	-
CAROLINA MAGIC	-	-	-	2,729	2,854	-	-	-	-	-
AFC 20-10	-	-	-	2,726	2,654	2,579	-	-	-	-
FLORIDA 401	-	-	-	2,720	-	-	-	-	-	-
GA WA C3L	-	-	-	2,689	-	-	-	-	-	-
AFC 20-20	-	-	-	2,664	2,681	2,640	-	-	-	-
DOSSCO GRAZER II	-	-	-	2,655	2,608	2,629	-	-	-	-
GI 85	-	-	-	2,654	2,666	2,610	-	-	-	-
FORAGER	-	-	-	2,649	2,550	2,489	-	-	-	-
UNDERWOOD EXP 845	-	-	-	2,643	2,415	2,424	-	-	-	-
GA WA C3E	-	-	-	2,625	-	-	-	-	-	-
GI 88	-	-	-	2,560	2,747	2,621	-	-	-	-
WREN'S ABRUZZI AL	-	-	-	2,538	-	-	-	-	-	-
AFC 20-40	-	-	-	2,505	2,668	-	-	-	-	-
GA WA HRC3	-	-	-	2,436	-	-	-	-	-	-
WREN'S ABRUZZI	-	-	-	2,424	2,468	2,419	-	-	-	-
TEST MEAN	-	-	-	2,746	2,735	2,701	-	-	-	-
L. S. D. (.10)	-	-	-	-	298	294	-	-	-	-
C. V. (%)	-	-	-	-	8	8	-	-	-	-
TRITICALE										
JENKINS	39	-	-	1,549	3,893	4,332	27	35	4-12	40.6
MORRISON	36	32	45	3,902	4,943	4,776	3	51	4-24	46.9
STAN II	36	31	-	3,344	-	-	2	42	4-27	46.8
STAN I	33	31	44	3,842	5,177	4,904	4	48	5-1	45.2
THOMAS	31	29	42	3,196	4,675	4,775	3	44	4-23	45.0
COUNCIL	31	26	34	4,065	5,154	5,022	3	44	4-27	40.8
SUNLAND	27	27	-	1,762	-	-	26	33	4-13	43.0
VICTORIA	26	22	-	2,363	-	-	11	37	4-26	39.8
BEAGLE B2	-	-	-	1,550	3,626	3,553	-	-	-	-
TEST MEAN	32	28	41	2,841	4,578	4,560	10	42	-	-
L. S. D. (.10)	19	14	12	536	594	594	-	-	-	-
C. V. (%)	42	36	22	13	9	9	-	-	-	-

2/ BARLEY FORAGE YIELDS ARE FROM BELLE MINA AND CROSSVILLE.

3/ RYE FORAGE YIELDS ARE FROM CROSSVILLE.

4/ TRITICALE FORAGE YIELDS ARE FROM BELLE MINA.

TABLE 3. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
PIONEER 2548	53	60.2	-	4,757	-
COKER 9024	52	59.0	-	-	-
FFR 525W	52	60.6	-	3,161	-
COKER 9105	50	60.0	-	-	-
TYLER	50	57.6	53	3,367	4,460
TERRAL 101	49	57.6	-	3,673	-
PIONEER 2551	49	56.6	55	3,943	5,462
COKER 9835	48	58.4	-	-	-
WAKEFIELD	47	58.6	-	-	-
FLORIDA 302	47	59.0	56	3,422	4,705
GA 100	46	58.0	-	-	-
PIONEER 2555	46	60.2	56	3,868	-
MADISON	46	59.0	-	-	-
BAYLES	46	57.4	-	-	-
COKER 9733	45	61.6	-	3,600	-
CALDWELL	45	58.2	46	3,629	4,839
COKER 983	44	61.2	49	3,907	4,916
COKER 9323	43	58.0	55	3,409	4,789
COKER 9766	42	57.4	54	3,109	4,394
SALUDA	41	59.2	56	3,681	5,335
GA ANDY	40	60.4	-	-	-
MASSEY	40	59.2	46	4,263	5,612
COMPTON	39	59.4	44	2,765	4,494
FFR 544W	39	59.4	-	-	-
TRAVELER	39	59.8	42	3,629	-
FILLMORE	38	59.4	45	3,723	5,074
STACY	38	60.4	42	3,518	5,009
COKER 916	36	58.6	48	3,194	4,629
MCNAIR 1003	36	56.4	45	3,738	5,090
GA GORE	35	58.8	-	-	-
WILLIAMS	34	57.2	49	3,601	5,522
FLORIDA 303	28	58.6	40	3,277	-
TEST MEAN	43	-	49	3,601	4,955
L. S. D. (.10)	7	-	10	592	731
C. V. (%)	11	-	15	12	11
OATS					
AR 102-S	60	35.8	-	2,392	-
SIMPSON	59	36.0	59	2,337	-
COKER 716	56	34.6	62	2,751	-
CITATION	47	35.8	65	1,615	-
BOB	45	37.2	-	1,544	-
FFR SF7630	44	-	-	2,355	-
COKER 227	23	34.2	48	1,362	-
833	18	-	45	1,997	-
COKER 820	-	-	-	1,179	-
TEST MEAN	44	-	56	1,948	-
L. S. D. (.10)	11	-	12	333	-
C. V. (%)	17	-	16	12	-

CONTINUED

TABLE 3. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
<u>BARLEY</u>					
WYSOR	61	42.4	61	4,028	4,787
SUSSEX	44	41.8	51	3,553	4,548
KEOWEE	41	45.2	41	2,395	4,040
BARSOY	40	45.6	45	2,596	3,951
ANSON	32	40.8	45	2,731	4,071
VOLBAR	19	43.6	30	-	-
TEST MEAN	39	-	45	3,061	4,279
L. S. D. (.10)	8	-	11	611	491
C. V. (%)	14	-	18	13	8
<u>TRITICALE</u>					
MORRISON	48	49.6	38	3,902	4,776
THOMAS	41	50.0	33	3,196	4,775
COUNCIL	36	46.6	25	4,065	5,022
VICTORIA	34	47.0	-	2,363	-
STAN II	34	49.2	-	3,344	-
JENKINS	33	49.0	-	1,549	4,332
STAN I	33	46.4	28	3,842	4,904
SUNLAND	24	52.0	-	1,762	-
BEAGLE 82	-	-	-	1,550	3,553
TEST MEAN	35	-	31	2,841	4,560
L. S. D. (.10)	6	-	7	536	594
C. V. (%)	11	-	16	13	9

TABLE 4. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.	
<u>WHEAT</u>						
COKER 9024	43	56.4	-	-	-	-
COKER 9323	41	56.2	53	-	-	-
WAKEFIELD	39	48.9	-	-	-	-
TYLER	38	45.6	54	-	-	-
SALUDA	38	57.7	54	-	-	-
PIONEER 2548	38	53.0	-	-	-	-
FLORIDA 302	37	55.2	55	-	-	-
GA GORE	37	57.3	-	-	-	-
COKER 9835	37	52.3	-	-	-	-
BAYLES	37	53.7	-	-	-	-
COKER 983	36	56.6	49	-	-	-
TERRAL 101	35	52.8	-	-	-	-
COKER 9105	35	55.5	-	-	-	-
MADISON	35	56.3	-	-	-	-
COKER 916	35	56.5	50	-	-	-
COKER 9733	35	56.7	-	-	-	-
COKER 9766	34	53.2	52	-	-	-
COMPTON	33	55.5	45	-	-	-
MASSEY	33	56.6	49	-	-	-
PIONEER 2555	31	54.1	53	-	-	-
MCNAIR 1003	30	48.0	44	-	-	-
STACY	28	54.6	43	-	-	-
FILLMORE	28	55.4	47	-	-	-
WILLIAMS	28	46.6	45	-	-	-
PIONEER 2551	28	52.8	49	-	-	-
FFR 544W	28	55.2	-	-	-	-
TRAVELER	27	54.3	43	-	-	-
GA 100	27	48.6	-	-	-	-
CALDWELL	26	50.2	46	-	-	-
FFR 525W	22	56.0	-	-	-	-
GA ANDY	20	54.5	-	-	-	-
FLORIDA 303	20	56.4	43	-	-	-
TEST MEAN	33	-	49	-	-	-
L. S. D. (.10)	5	-	5	-	-	-
C. V. (%)	12	-	8	-	-	-
<u>OATS</u>						
FFR SF7630	76	36.3	-	1,196	-	-
CITATION	72	36.6	104	1,239	2,409	-
SIMPSON	70	34.7	101	908	2,177	-
AR 102-S	65	37.0	-	903	-	-
COKER 227	60	34.0	89	1,176	2,491	-
COKER 716	59	34.8	95	913	2,393	-
BOB	53	37.7	-	853	-	-
833	53	35.2	88	868	2,056	-
COKER 820	-	-	-	1,408	2,415	-
TEST MEAN	63	-	95	1,052	2,323	-
L. S. D. (.10)	13	-	9	265	315	-
C. V. (%)	14	-	7	18	10	-

CONTINUED

TABLE 4. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.	
	BU.	LB./BU.	BU.	LB.	LB.	
<u>BARLEY</u>						
SUSSEX	60	42.4	69	2,772	2,799	
WYSOR	58	40.4	77	2,426	2,621	
KEOWEE	50	38.3	67	2,110	2,559	
ANSON	49	37.8	68	1,760	2,507	
BARSOY	49	36.8	67	2,077	2,536	
VOLBAR	46	38.8	70	-	-	
TEST MEAN	52	-	70	2,229	2,604	
L. S. D. (.10)	10	-	9	250	333	
C. V. (%)	13	-	9	7	9	
<u>RYE</u>						
WINTERGRAZER 70	-	-	-	3,283	3,005	
NF 142	-	-	-	3,110	2,909	
BONEL	-	-	-	2,995	2,932	
MATON	-	-	-	2,977	3,053	
GI 90	-	-	-	2,946	-	
ELBON	-	-	-	2,876	2,802	
AFC 20-20X	-	-	-	2,815	-	
GURLEY'S GRAZER 2000	-	-	-	2,811	2,555	
GI 87	-	-	-	2,794	-	
NF 73	-	-	-	2,787	2,816	
MGI 30-30	-	-	-	2,775	-	
GI 87X	-	-	-	2,749	2,738	
AFC 20-30	-	-	-	2,744	-	
CAROLINA MAGIC	-	-	-	2,729	-	
AFC 20-10	-	-	-	2,726	2,579	
FLORIDA 401	-	-	-	2,720	-	
GA WA C3L	-	-	-	2,689	-	
AFC 20-20	-	-	-	2,664	2,640	
DOSSCO GRAZER II	-	-	-	2,655	2,629	
GI 85	-	-	-	2,654	2,610	
FORAGER	-	-	-	2,649	2,489	
UNDERWOOD EXP 845	-	-	-	2,643	2,424	
GA WA C3E	-	-	-	2,625	-	
GI 88	-	-	-	2,560	2,621	
WREN'S ABRUZZI AL	-	-	-	2,538	-	
AFC 20-40	-	-	-	2,505	-	
GA WA HRC3	-	-	-	2,436	-	
WREN'S ABRUZZI	-	-	-	2,424	2,419	
TEST MEAN	-	-	-	2,746	2,701	
L. S. D. (.10)	-	-	-	-	-	
C. V. (%)	-	-	-	-	-	
<u>TRITICALE</u>						
STAN II	42	48.2	-	-	-	
STAN I	35	48.3	57	-	-	
MORRISON	35	47.7	57	-	-	
THOMAS	30	44.9	55	-	-	
COUNCIL	29	40.1	46	-	-	
VICTORIA	27	41.3	-	-	-	
SUNLAND	22	47.5	-	-	-	
JENKINS	21	42.3	-	-	-	
TEST MEAN	30	-	54	-	-	
L. S. D. (.10)	10	-	8	-	-	
C. V. (%)	23	-	11	-	-	

TABLE 5. PERFORMANCE OF SMALL GRAINS AT WINFIELD, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990	TEST WT.	3-YR. AV.	1990	3-YR. AV.	1990	3-YR. AV.	
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.	
WHEAT								
FILLMORE	44	50.2	44	26	27	1,997	2,687	
CALDWELL	39	46.7	40	20	29	2,095	3,221	
PIONEER 2548	38	49.0	-	20	-	1,863	-	
WAKEFIELD	37	49.4	-	-	-	-	-	
TERRAL 101	35	48.6	-	-	-	1,868	-	
SALUDA	32	49.2	38	25	34	1,747	2,809	
TYLER	32	48.1	39	25	32	1,891	2,538	
COKER 9766	32	48.2	38	17	-	1,650	2,426	
COKER 9024	30	48.7	-	-	-	-	-	
COKER 9835	30	46.2	-	-	-	-	-	
COKER 9105	30	47.5	-	-	-	-	-	
FLORIDA 302	29	45.1	41	20	30	1,708	2,531	
PIONEER 2555	28	45.3	39	13	-	2,120	-	
COKER 9733	28	51.8	-	15	-	1,775	-	
COKER 983	27	47.2	36	-	-	2,028	2,527	
FFR 525W	27	48.2	-	-	-	1,808	-	
WILLIAMS	27	39.7	38	17	-	1,681	2,582	
GA ANDY	26	48.2	-	-	-	-	-	
COMPTON	26	50.1	35	18	28	1,764	2,894	
FLORIDA 303	24	43.4	34	-	-	1,484	-	
PIONEER 2551	23	39.2	35	16	30	1,912	2,818	
STACY	23	44.6	32	13	-	1,927	2,803	
MASSEY	23	44.1	37	19	28	2,370	3,153	
MADISON	23	47.1	-	-	-	-	-	
BAYLES	22	42.1	-	-	-	-	-	
FFR 544W	21	45.2	-	-	-	-	-	
GA GORE	19	46.3	-	-	-	-	-	
MCNAIR 1003	19	42.4	33	20	29	1,705	2,687	
TRAVELER	17	45.6	34	16	-	2,068	-	
GA 100	16	44.4	-	-	-	-	-	
COKER 9323	15	43.6	39	20	-	1,894	2,366	
COKER 916	14	44.6	35	13	31	1,836	2,640	
TEST MEAN	27	-	37	19	30	1,872	2,712	
L. S. D. (.10)	8	-	12	4	6	401	474	
C. V. (%)	22	-	23	15	16	16	13	
OATS								
SIMPSON	66	27.4	66	-	-	1,522	2,347	
AR 102-S	62	28.2	-	-	-	1,325	-	
COKER 716	59	26.6	72	-	-	1,605	2,944	
FFR SF7630	55	30.0	-	-	-	1,544	-	
B33	54	27.6	79	-	-	1,669	2,684	
CITATION	49	27.8	64	-	-	1,484	2,379	
COKER 227	48	26.1	73	-	-	1,685	2,991	
BOB	48	28.6	-	-	-	1,455	-	
COKER B20	-	-	-	-	-	1,543	2,125	
TEST MEAN	55	-	71	-	-	1,537	2,578	
L. S. D. (.10)	11	-	18	-	-	338	506	
C. V. (%)	14	-	18	-	-	15	14	
BARLEY								
WYSOR	40	34.6	54	-	-	2,086	-	
SUSSEX	37	31.7	36	-	-	1,468	-	
BARSDY	13	32.2	29	-	-	1,490	-	
VOLBAR	13	25.6	34	-	-	-	-	
KEOWEE	12	28.1	27	-	-	1,743	-	
ANSON	11	27.0	30	-	-	1,439	-	
TEST MEAN	21	-	35	-	-	1,645	-	
L. S. D. (.10)	23	-	22	-	-	503	-	
C. V. (%)	75	-	46	-	-	20	-	
TRITICALE								
JENKINS	63	30.6	-	1	25	-	-	
SUNLAND	34	29.4	-	1	-	-	-	
STAN II	31	41.7	-	16	-	-	-	
STAN I	30	41.2	48	13	-	-	-	
COUNCIL	29	35.6	30	16	-	-	-	
MORRISON	26	42.3	38	17	29	-	-	
THOMAS	23	38.5	37	13	29	-	-	
VICTORIA	16	31.2	-	4	-	-	-	
TEST MEAN	31	-	38	10	27	-	-	
L. S. D. (.10)	32	-	18	2	5	-	-	
C. V. (%)	70	-	35	13	15	-	-	

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			1990 AVERAGE			
	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	LODGING	HEIGHT	1/10	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
									HEADED	
WHEAT										
MADISON	40	-	-	-	-	-	0	33	4- 5	54. 5
COKER 9766	39	39	46	3, 812	3, 768	3, 808	0	35	4-18	54. 0
COKER 9105	37	-	-	-	-	-	0	34	4-11	54. 2
WAKEFIELD	36	-	-	-	-	-	0	37	4-15	51. 2
COKER 9835	35	-	-	-	-	-	0	28	4-17	50. 5
TERRAL 101	35	34	-	3, 742	-	-	0	35	4-16	51. 4
TERRAL 812	34	29	38	-	-	-	0	33	4- 7	55. 1
GA 100	34	-	-	-	-	-	0	31	4- 8	50. 9
FFR 568W	33	-	-	-	-	-	1	34	4-15	53. 1
GA GORE	33	-	-	-	-	-	1	32	4- 6	52. 3
COKER 9323	33	33	42	-	-	-	1	31	4-12	52. 2
MASSEY	33	27	36	4, 071	4, 122	4, 267	1	35	4-10	52. 6
PIONEER 2548	32	39	-	4, 421	-	-	0	31	4-20	53. 3
MCNAIR 1003	31	32	42	4, 077	4, 156	4, 146	0	33	4-11	48. 7
FFR 525W	31	32	-	4, 187	-	-	0	36	4-19	54. 4
FLORIDA 303	31	28	36	3, 889	3, 605	-	0	33	4- 6	53. 8
GA ANDY	30	-	-	-	-	-	0	33	4- 2	52. 3
BAYLES	30	-	-	-	-	-	0	32	4-10	50. 7
COKER 983	30	30	41	-	-	-	4	30	4-11	54. 7
COKER 916	30	32	42	3, 871	3, 727	3, 845	0	33	4-10	52. 2
TRAVELER	29	27	36	4, 364	-	-	1	32	4- 5	52. 1
COKER 9733	29	29	37	4, 113	3, 971	3, 901	1	38	4- 6	54. 3
PIONEER 2551	27	34	43	4, 661	4, 425	4, 647	0	32	4-25	49. 8
FLORIDA 302	26	31	43	4, 396	4, 016	4, 188	7	36	4-20	51. 9
WILLIAMS	25	30	41	4, 269	4, 366	4, 646	0	33	4-13	49. 8
COKER 9024	25	-	-	-	-	-	1	37	4-21	52. 0
TERRAL 817	24	24	33	4, 014	3, 774	4, 093	2	32	4- 2	53. 8
STACY	23	25	34	4, 336	4, 389	4, 541	3	37	4-12	53. 3
COMPTON	22	28	36	3, 689	3, 938	4, 111	0	34	4-27	53. 0
SALUDA	22	28	41	4, 376	4, 439	4, 599	0	32	4-21	52. 0
FILLMORE	22	26	38	4, 171	4, 107	4, 138	1	37	5- 1	49. 9
PIONEER 2555	21	30	43	4, 155	4, 088	-	0	34	4-27	50. 7
CALDWELL	20	28	37	4, 437	4, 408	4, 561	1	33	4-29	50. 0
FFR 544W	19	-	-	-	-	-	0	35	4-27	50. 8
TYLER	14	21	34	4, 134	3, 967	4, 131	2	36	5- 4	50. 8
TEST MEAN	29	30	39	4, 152	4, 074	4, 241	1	34	-	-
L. S. D. (. 10)	6	8	8	507	548	556	-	-	-	-
C. V. (%)	16	19	15	9	10	10	-	-	-	-
OATS										
CITATION	56	55	65	3, 518	4, 069	4, 067	33	37	4-22	29. 0
COKER 227	46	50	56	3, 507	4, 331	4, 271	19	36	4-25	28. 0
AR 102-S	45	-	-	2, 928	-	-	3	35	4-27	29. 3
B33	44	51	62	3, 283	4, 067	4, 146	6	36	4-28	30. 4
BDB	43	-	-	2, 800	-	-	28	35	4-23	22. 2
COKER 820	43	43	48	3, 158	3, 805	3, 904	18	35	4-16	29. 4
SIMPSON	43	44	61	3, 313	4, 069	4, 181	5	38	4-28	28. 2
FFR SF7630	43	46	-	3, 655	4, 353	-	21	38	4-21	29. 6
COKER 716	40	43	61	3, 168	4, 164	4, 227	5	36	4-28	29. 2
TEST MEAN	45	48	59	3, 259	4, 123	4, 132	15	36	-	-
L. S. D. (. 10)	11	12	12	635	645	596	-	-	-	-
C. V. (%)	18	19	15	14	12	11	-	-	-	-

CONTINUED

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

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1990 AVERAGE			
	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	LODGING HEIGHT	1/10	TEST WT.	
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
RYE										
MATON	-	-	-	3,993	4,224	4,183	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	3,964	4,171	4,131	-	-	-	-
BONEL	-	-	-	3,933	4,095	4,112	-	-	-	-
AFC 20-10	-	-	-	3,920	4,355	4,303	-	-	-	-
GI 87	-	-	-	3,898	4,198	4,593	-	-	-	-
GI 87X	-	-	-	3,864	3,975	4,037	-	-	-	-
WREN'S ABRUZZI	-	-	-	3,844	4,071	4,004	-	-	-	-
GI 85	-	-	-	3,818	4,163	4,124	-	-	-	-
CAROLINA MAGIC	-	-	-	3,764	4,178	-	-	-	-	-
FLORIDA 402	-	-	-	3,747	3,959	4,017	-	-	-	-
AFC 20-20	-	-	-	3,738	4,095	4,101	-	-	-	-
WINTERGRAZER 70	-	-	-	3,731	4,193	4,246	-	-	-	-
ELBON	-	-	-	3,679	4,085	4,025	-	-	-	-
GA WA C3L	-	-	-	3,653	-	-	-	-	-	-
NF 73	-	-	-	3,651	4,016	4,064	-	-	-	-
NF 142	-	-	-	3,650	3,926	3,990	-	-	-	-
GA WA C3E	-	-	-	3,647	-	-	-	-	-	-
GI 90	-	-	-	3,634	3,980	-	-	-	-	-
FORAGER	-	-	-	3,616	3,796	3,847	-	-	-	-
AFC 20-20X	-	-	-	3,574	-	-	-	-	-	-
GI 88	-	-	-	3,568	4,124	4,086	-	-	-	-
GI 2000X	-	-	-	3,564	-	-	-	-	-	-
AFC 20-30	-	-	-	3,553	3,886	-	-	-	-	-
GA WA HRC3	-	-	-	3,548	-	-	-	-	-	-
MGI 30-30	-	-	-	3,518	-	-	-	-	-	-
UNDERWOOD EXP 425	-	-	-	3,501	3,742	3,755	-	-	-	-
UNDERWOOD EXP 845	-	-	-	3,473	3,957	3,965	-	-	-	-
DOSSCO GRAZER II	-	-	-	3,367	3,824	3,887	-	-	-	-
WREN'S ABRUZZI AL	-	-	-	3,181	-	-	-	-	-	-
UNDERWOOD EXP 428	-	-	-	3,151	3,679	3,771	-	-	-	-
TEST MEAN	-	-	-	3,658	4,030	4,062	-	-	-	-
L. S. D. (.10)	-	-	-	453	567	571	-	-	-	-
C. V. (%)	-	-	-	9	10	10	-	-	-	-
TRITICALE										
JENKINS	23	-	-	2,862	2,951	2,666	0	36	4-2	44.7
BEAGLE 82	17	20	28	2,977	2,448	2,244	1	37	4-8	44.6
VICTORIA	17	17	-	3,070	2,778	-	0	38	4-24	37.0
SUNLAND	15	18	-	2,837	2,428	-	0	35	4-9	46.9
STAN I	10	19	32	3,391	3,177	3,127	0	45	5-4	38.9
COUNCIL	10	18	25	3,633	3,579	3,305	0	43	4-27	38.3
STAN II	9	24	-	3,119	3,406	-	0	40	4-29	39.8
THOMAS	9	20	31	3,092	3,068	2,943	0	43	4-27	43.9
MORRISON	8	22	32	3,029	3,181	3,014	0	45	4-28	43.3
TEST MEAN	13	20	30	3,112	3,002	2,883	0	40	-	-
L. S. D. (.10)	4	6	8	428	460	427	-	-	-	-
C. V. (%)	22	21	19	10	11	11	-	-	-	-

2/ RYE FORAGE YIELDS ARE FROM CAMP HILL, PRATTVILLE, AND TALLASSEE.
3/ TRITICALE FORAGE YIELDS ARE FROM CAMP HILL AND TALLASSEE.

TABLE 7. PERFORMANCE OF SMALL GRAINS AT MARION JUNCTION, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
PIONEER 2551	-	-	-	6,418	5,639
CALDWELL	-	-	-	5,548	5,422
STACY	-	-	-	5,506	5,115
TRAVELER	-	-	-	5,409	-
SALUDA	-	-	-	5,322	5,091
WILLIAMS	-	-	-	5,223	5,086
MCNAIR 1003	-	-	-	5,222	4,675
TERRAL 817	-	-	-	5,219	4,680
FFR 525W	-	-	-	5,194	-
FLORIDA 303	-	-	-	5,089	-
PIONEER 2548	-	-	-	5,014	-
PIONEER 2555	-	-	-	4,831	-
COKER 9733	-	-	-	4,819	4,491
FLORIDA 302	-	-	-	4,801	4,513
FILLMORE	-	-	-	4,763	4,494
TYLER	-	-	-	4,684	4,950
MASSEY	-	-	-	4,574	4,425
COKER 916	-	-	-	4,501	4,218
COMPTON	-	-	-	4,261	4,642
COKER 9766	-	-	-	3,893	3,931
TERRAL 101	-	-	-	3,758	-
TEST MEAN	-	-	-	4,955	4,758
L. S. D. (.10)	-	-	-	681	603
C. V. (%)	-	-	-	10	9
OATS					
COKER 227	-	-	-	4,295	4,784
FFR SS 76-30	-	-	-	4,081	-
CITATION	-	-	-	3,686	4,553
833	-	-	-	3,602	4,579
SIMPSON	-	-	-	3,336	4,607
COKER 716	-	-	-	3,226	4,711
COKER 820	-	-	-	3,181	4,222
OZARK	-	-	-	2,510	-
BOB	-	-	-	2,309	-
TEST MEAN	-	-	-	3,358	4,576
L. S. D. (.10)	-	-	-	924	672
C. V. (%)	-	-	-	19	11
RYE					
GI 85	-	-	-	4,968	-
GURLEY'S GRAZER 2000	-	-	-	4,962	-
WINTERGRAZER 70	-	-	-	4,882	4,733
GI 87	-	-	-	4,649	-
WREN'S ABRUZZI	-	-	-	4,609	4,650
MATON	-	-	-	4,585	4,698
GI 87X	-	-	-	4,566	-
AFC 20-20	-	-	-	4,482	4,632
AFC 20-10	-	-	-	4,458	-
ELBON	-	-	-	4,440	-
TEST MEAN	-	-	-	4,660	4,679
L. S. D. (.10)	-	-	-	581	607
C. V. (%)	-	-	-	9	9

TABLE 8. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE		FORAGE ONLY YIELD/ACRE		
	1990 TEST WT. 3-YR. AV.		1990 3-YR. AV.		
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
MADISON	50	56.5	-	-	-
GA 100	47	54.7	-	-	-
FLORIDA 303	46	56.5	42	3,031	-
WAKEFIELD	46	54.1	-	-	-
COKER 983	45	58.0	49	-	-
COKER 9105	44	55.6	-	-	-
TRAVELER	44	56.4	44	3,931	-
GA GORE	44	57.0	-	-	-
COKER 9323	44	54.8	48	-	-
PIONEER 2548	43	55.8	-	3,747	-
BAYLES	42	53.8	-	-	-
TERRAL 812	42	57.2	45	-	-
FFR 568W	41	56.2	-	-	-
COKER 916	41	56.2	49	3,388	3,866
TERRAL 101	41	53.2	-	3,555	-
MASSEY	40	55.8	41	3,620	4,308
COKER 9835	40	55.4	-	-	-
COKER 9766	39	54.1	50	3,831	4,282
COKER 9733	39	58.8	42	3,513	4,057
GA ANDY	39	56.8	-	-	-
FFR 525W	39	57.1	-	3,277	-
MCNAIR 1003	39	53.3	48	3,163	4,164
PIONEER 2551	38	53.3	48	3,497	4,334
WILLIAMS	37	53.2	52	3,468	4,745
FLORIDA 302	34	54.9	48	4,371	4,552
COKER 9024	33	54.7	-	-	-
TERRAL 817	33	56.6	38	3,283	4,236
SALUDA	32	55.9	45	3,935	4,566
STACY	32	55.2	38	3,558	4,601
PIONEER 2555	28	54.1	49	3,643	-
CALDWELL	26	55.4	43	3,574	4,248
FILLMORE	26	56.7	42	4,054	4,360
FFR 544W	25	54.5	-	-	-
COMPTON	25	55.5	38	3,423	4,176
TYLER	12	50.6	34	3,808	3,971
TEST MEAN	38	-	44	3,603	4,298
L. S. D. (.10)	7	-	10	430	465
C. V. (%)	13	-	17	9	8
OATS					
CITATION	70	30.2	71	4,431	4,708
SIMPSON	62	30.8	67	4,595	5,282
BOB	61	10.8	-	3,611	-
COKER 820	57	31.5	60	4,185	4,845
COKER 227	55	28.1	70	4,196	4,912
AR 102-S	54	30.5	-	3,882	-
FFR SF7630	53	31.3	-	4,583	-
COKER 716	53	30.8	66	4,439	5,219
833	50	31.1	60	4,228	4,980
TEST MEAN	57	-	66	4,239	4,991
L. S. D. (.10)	14	-	18	545	498
C. V. (%)	17	-	20	9	7

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TABLE 8. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
<u>RYE</u>					
GA WA C3L	-	-	-	4,712	-
CAROLINA MAGIC	-	-	-	4,693	-
NF 73	-	-	-	4,678	5,141
AFC 20-20X	-	-	-	4,639	-
BONEL	-	-	-	4,636	4,850
FLORIDA 402	-	-	-	4,566	4,709
MATON	-	-	-	4,547	4,952
GI 88	-	-	-	4,537	4,892
AFC 20-10	-	-	-	4,516	4,816
GA WA HRC3	-	-	-	4,514	-
GA WA C3E	-	-	-	4,506	-
ELBON	-	-	-	4,446	4,878
AFC 20-20	-	-	-	4,445	4,737
FORAGER	-	-	-	4,411	4,649
NF 142	-	-	-	4,392	4,881
GI 90	-	-	-	4,392	-
GURLEY'S GRAZER 2000	-	-	-	4,376	4,791
GI 87	-	-	-	4,369	5,031
WREN'S ABRUZZI	-	-	-	4,357	4,576
GI 85	-	-	-	4,341	4,739
WREN'S ABRUZZI AL	-	-	-	4,327	-
DOSSCO GRAZER II	-	-	-	4,285	4,754
AFC 20-30	-	-	-	4,269	-
GI 87X	-	-	-	4,265	4,836
UNDERWOOD EXP 845	-	-	-	4,217	4,639
GI 2000X	-	-	-	4,216	-
UNDERWOOD EXP 425	-	-	-	4,127	4,602
MGI 30-30	-	-	-	4,096	-
UNDERWOOD EXP 428	-	-	-	3,954	4,446
WINTERGRAZER 70	-	-	-	3,619	4,758
TEST MEAN	-	-	-	4,382	4,784
L. S. D. (.10)	-	-	-	449	452
C. V. (%)	-	-	-	8	7
<u>TRITICALE</u>					
JENKINS	29	49.1	-	-	-
VICTORIA	26	45.0	-	-	-
BEAGLE 82	16	47.7	30	-	-
SUNLAND	16	51.5	-	-	-
MORRISON	16	49.1	38	-	-
THOMAS	15	48.9	35	-	-
STAN I	13	49.0	38	-	-
STAN II	10	48.6	-	-	-
COUNCIL	9	44.8	25	-	-
TEST MEAN	17	-	33	-	-
L. S. D. (.10)	5	-	10	-	-
C. V. (%)	19	-	22	-	-

TABLE 9. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
MADISON	47	53.5	-	-	-
COKER 9766	45	51.0	41	3,713	3,211
GA GORE	45	52.5	-	-	-
GA ANDY	44	53.9	-	-	-
TERRAL 812	43	54.5	35	-	-
COKER 9835	42	53.8	-	-	-
COKER 9105	40	53.9	-	-	-
MASSEY	37	51.4	32	4,017	4,069
TERRAL 101	37	47.7	-	3,913	-
GA 100	36	47.4	-	-	-
WAKEFIELD	35	47.6	-	-	-
COKER 9733	34	54.4	39	4,007	3,153
MCNAIR 1003	33	45.4	37	3,847	3,598
BAYLES	33	49.6	-	-	-
COKER 916	31	48.1	44	3,724	3,450
FFR 568W	30	49.1	-	-	-
FLORIDA 303	29	50.7	34	3,548	-
PIONEER 2548	29	50.8	-	4,501	-
COKER 9323	29	45.9	37	-	-
TERRAL 817	27	51.6	31	3,541	3,363
STACY	26	51.5	34	3,944	3,907
PIONEER 2551	26	47.6	41	4,068	3,968
COKER 983	24	52.0	42	-	-
TRAVELER	24	47.2	28	3,752	-
FFR 525W	23	48.9	-	4,089	-
WILLIAMS	23	46.4	37	4,115	4,107
FILLMORE	22	49.5	34	3,696	3,561
COMPTON	21	49.5	33	3,382	3,515
FLORIDA 302	21	47.0	39	4,017	3,500
PIONEER 2555	18	45.5	40	3,989	-
CALDWELL	16	46.1	31	4,189	4,012
COKER 9024	15	47.4	-	-	-
SALUDA	13	48.6	32	3,870	4,141
FFR 544W	11	44.2	-	-	-
TYLER	6	48.6	26	3,910	3,471
TEST MEAN	29	-	36	3,897	3,668
L. S. D. (.10)	7	-	8	385	596
C. V. (%)	19	-	17	7	12
ODS					
CITATION	53	31.0	56	3,569	3,995
FFR SF7630	47	30.5	-	3,507	-
833	42	32.0	57	3,112	3,912
COKER 820	42	30.8	49	3,331	3,506
COKER 227	40	29.5	46	3,338	3,951
AR 102-S	37	30.1	-	3,050	-
COKER 716	32	28.9	49	3,026	3,893
SIMPSON	30	27.0	44	3,442	3,954
BOB	29	29.8	-	3,043	-
TEST MEAN	39	-	50	3,269	3,868
L. S. D. (.10)	13	-	12	475	602
C. V. (%)	23	-	18	10	11

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TABLE 9. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
BONEL	-	-	-	4,659	4,693
MATON	-	-	-	4,583	4,662
CAROLINA MAGIC	-	-	-	4,573	-
GI 87	-	-	-	4,494	-
NF 73	-	-	-	4,430	4,322
NF 142	-	-	-	4,387	4,358
ELBON	-	-	-	4,375	4,422
GI 87X	-	-	-	4,357	4,332
GURLEY'S GRAZER 2000	-	-	-	4,350	4,502
GI 2000X	-	-	-	4,344	-
WINTERGRAZER 70	-	-	-	4,341	4,672
MGI 30-30	-	-	-	4,296	-
AFC 20-10	-	-	-	4,285	4,780
GA WA HRC3	-	-	-	4,251	-
GA WA C3E	-	-	-	4,228	-
GI 90	-	-	-	4,223	-
WREN'S ABRUZZI	-	-	-	4,190	4,401
UNDERWOOD EXP 425	-	-	-	4,185	3,970
GI 88	-	-	-	4,161	4,541
FORAGER	-	-	-	4,140	4,223
AFC 20-30	-	-	-	4,121	-
AFC 20-20X	-	-	-	4,100	-
AFC 20-20	-	-	-	4,015	4,396
UNDERWOOD EXP 845	-	-	-	3,986	4,395
GI 85	-	-	-	3,864	4,483
DOSSCO GRAZER II	-	-	-	3,836	4,210
UNDERWOOD EXP 428	-	-	-	3,805	4,192
FLORIDA 402	-	-	-	3,697	4,145
GA WA C3L	-	-	-	3,630	-
WREN'S ABRUZZI AL	-	-	-	3,261	-
TEST MEAN	-	-	-	4,172	4,405
L. S. D. (.10)	-	-	-	390	656
C. V. (%)	-	-	-	7	11
<u>TRITICALE</u>					
JENKINS	33	-	-	3,117	2,710
BEAGLE 82	23	41.5	27	3,311	2,490
SUNLAND	21	-	-	3,172	-
VICTORIA	17	32.8	-	3,480	-
COUNCIL	16	37.9	22	4,128	3,628
STAN I	15	39.5	28	4,343	3,715
STAN II	12	38.8	-	3,543	-
THOMAS	3	40.4	21	3,797	3,322
MORRISON	1	-	24	3,619	3,391
TEST MEAN	16	-	24	3,612	3,209
L. S. D. (.10)	5	-	6	492	440
C. V. (%)	22	-	18	10	10

TABLE 10. PERFORMANCE OF SMALL GRAINS AT CAMP HILL, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.	
WHEAT						
COKER 9766	32	56.8	40	-	-	-
FFR 525W	31	57.2	-	-	-	-
WAKEFIELD	28	52.0	-	-	-	-
FFR 568W	28	54.1	-	-	-	-
COKER 9105	27	53.2	-	-	-	-
COKER 9024	26	53.8	-	-	-	-
TERRAL 101	26	53.3	-	-	-	-
COKER 9323	26	56.0	34	-	-	-
PIONEER 2548	24	53.3	-	-	-	-
TYLER	24	53.3	39	-	-	-
COKER 9835	24	42.4	-	-	-	-
FLORIDA 302	23	53.7	37	-	-	-
FFR 544W	22	53.6	-	-	-	-
MCNAIR 1003	21	47.5	34	-	-	-
MADISON	21	53.6	-	-	-	-
COMPTON	21	54.1	33	-	-	-
SALUDA	20	51.6	42	-	-	-
COKER 983	20	54.0	29	-	-	-
MASSEY	20	50.6	31	-	-	-
CALDWELL	19	48.5	35	-	-	-
GA 100	18	50.6	-	-	-	-
TRAVELER	18	52.8	31	-	-	-
PIONEER 2555	18	52.5	35	-	-	-
COKER 916	17	52.3	30	-	-	-
PIONEER 2551	17	48.4	33	-	-	-
FILLMORE	16	43.4	34	-	-	-
TERRAL 812	16	53.6	29	-	-	-
FLORIDA 303	16	54.1	25	-	-	-
BAYLES	15	48.6	-	-	-	-
WILLIAMS	15	49.8	31	-	-	-
TERRAL 817	13	53.1	28	-	-	-
COKER 9733	13	49.6	27	-	-	-
STACY	12	53.2	25	-	-	-
GA GORE	10	47.5	-	-	-	-
GA ANDY	8	46.2	-	-	-	-
TEST MEAN	20	-	32	-	-	-
L. S. D. (.10)	5	-	7	-	-	-
C. V. (%)	19	-	16	-	-	-
OATS						
CITATION	45	25.8	47	2,385	3,011	-
AR 102-S	43	27.2	-	2,269	-	-
COKER 227	43	26.4	33	2,200	3,435	-
BOB	41	25.9	-	2,235	-	-
833	39	28.1	54	2,188	3,112	-
SIMPSON	36	26.8	52	1,877	2,880	-
COKER 716	35	27.9	46	1,979	3,086	-
COKER 820	31	25.8	22	1,936	3,044	-
FFR SF7630	27	26.9	-	2,448	-	-
TEST MEAN	38	-	43	2,169	3,095	-
L. S. D. (.10)	5	-	7	625	633	-
C. V. (%)	10	-	12	20	15	-

CONTINUED

TABLE 10. PERFORMANCE OF SMALL GRAINS AT CAMP HILL, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
<u>RYE</u>					
FLORIDA 402	-	-	-	2,979	3,197
GA WA C3L	-	-	-	2,617	-
BONEL	-	-	-	2,505	2,794
AFC 20-10	-	-	-	2,422	3,133
FORAGER	-	-	-	2,299	2,669
GI 90	-	-	-	2,287	-
GI 87X	-	-	-	2,270	2,708
AFC 20-30	-	-	-	2,270	-
MATON	-	-	-	2,260	2,626
WREN'S ABRUZZI	-	-	-	2,221	2,675
UNDERWOOD EXP 845	-	-	-	2,216	2,861
GA WA C3E	-	-	-	2,207	-
UNDERWOOD EXP 425	-	-	-	2,191	2,694
NF 142	-	-	-	2,170	2,730
GURLEY'S GRAZER 2000	-	-	-	2,166	2,768
MGI 30-30	-	-	-	2,162	-
GI 2000X	-	-	-	2,133	-
GI 85	-	-	-	2,100	2,765
WINTERGRAZER 70	-	-	-	2,082	2,871
GI 87	-	-	-	2,080	-
CAROLINA MAGIC	-	-	-	2,027	-
AFC 20-20	-	-	-	2,009	2,886
GI 88	-	-	-	2,007	2,826
AFC 20-20X	-	-	-	1,983	-
DOSSCO GRAZER II	-	-	-	1,979	2,696
WREN'S ABRUZZI AL	-	-	-	1,954	-
GA WA HRC3	-	-	-	1,878	-
NF 73	-	-	-	1,844	2,729
UNDERWOOD EXP 428	-	-	-	1,694	2,676
ELBON	-	-	-	1,454	2,522
TEST MEAN	-	-	-	2,149	2,780
L. S. D. (.10)	-	-	-	494	588
C. V. (%)	-	-	-	17	16
<u>TRITICALE</u>					
BEAGLE 82	12	-	26	2,642	1,999
JENKINS	9	40.4	-	2,607	2,621
VICTORIA	8	33.1	-	2,659	-
THOMAS	7	42.5	32	2,388	2,564
SUNLAND	7	42.4	-	2,502	-
MORRISON	7	37.6	31	2,440	2,637
COUNCIL	5	32.1	26	3,138	2,981
STAN II	4	32.0	-	2,695	-
STAN I	3	28.1	32	2,438	2,540
TEST MEAN	7	-	29	2,612	2,557
L. S. D. (.10)	3	-	7	383	422
C. V. (%)	28	-	18	10	12

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

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE GRAIN AFTER GRAZING			AVERAGE YIELD/ACRE FORAGE ONLY			1990 AVERAGE			
	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	LODGING HEIGHT	1/10	TEST WT.	
											HEADED		
	BU.	BU.	BU.	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
WHEAT													
COKER 9835	51	-	-	-	-	-	-	-	-	1	29	4-8	54.0
BAYLES	42	-	-	-	-	-	-	-	-	11	34	4-1	49.3
GA 100	42	-	-	-	-	-	-	-	-	7	32	3-31	50.4
COKER 9105	42	-	-	-	-	-	-	-	-	24	34	4-4	52.4
GA GORE	38	-	-	-	-	-	-	-	-	8	33	4-12	51.6
COKER 9733	38	29	32	9	7	15	3,105	-	-	21	36	3-30	56.2
COKER 9766	37	34	40	15	13	16	3,586	3,814	4,178	4	33	4-13	50.6
FLORIDA 303	36	27	31	-	-	-	2,589	2,588	-	16	34	3-29	53.0
FLORIDA 301H	35	25	25	-	-	-	-	-	-	25	39	3-30	48.1
MADISON	35	-	-	-	-	-	-	-	-	28	32	4-5	50.9
GA ANDY	34	-	-	-	-	-	-	-	-	3	33	3-27	53.6
TERRAL B17	32	-	-	13	10	17	-	-	-	29	35	4-6	53.0
MCNAIR 1003	32	25	31	9	10	16	3,901	4,130	4,470	5	34	4-6	48.2
MASSEY	31	22	29	15	12	17	3,860	3,998	4,384	16	34	4-4	48.4
COKER 9323	30	22	-	6	6	12	2,998	2,720	3,365	21	29	4-7	49.3
TRAVELER	29	23	30	8	7	-	3,360	3,291	-	23	32	4-1	48.3
FFR 525W	28	21	-	-	-	-	-	-	-	14	34	4-19	53.7
TERRAL B12	25	18	27	8	9	13	-	-	-	25	32	4-11	50.9
WAKEFIELD	24	-	-	-	-	-	-	-	-	24	36	4-25	53.0
FLORIDA 302	24	21	30	15	13	21	3,554	3,178	3,678	40	34	4-11	48.9
STACY	24	19	26	13	12	15	3,766	4,143	4,639	15	36	4-15	51.6
COKER 983	23	18	28	8	8	17	-	-	-	29	28	4-13	52.4
TERRAL 101	22	18	-	13	-	-	3,430	-	-	19	32	4-18	47.9
PIONEER 2551	19	19	27	20	17	14	3,831	4,092	4,496	4	31	5-1	46.8
PIONEER 2548	18	18	-	16	-	-	3,633	-	-	13	28	4-24	49.5
WILLIAMS	18	19	28	14	13	-	4,352	4,479	4,960	7	34	4-14	46.2
PIONEER 2555	16	16	28	23	17	-	3,835	4,270	-	8	32	4-27	48.0
COKER 9024	15	-	-	-	-	-	-	-	-	36	33	4-24	49.6
SALUDA	13	10	21	-	-	-	3,999	3,775	4,446	21	32	4-18	50.1
FILLMORE	13	13	20	-	-	-	3,328	3,219	3,590	14	34	5-6	47.7
CALDWELL	8	10	18	14	12	11	3,991	3,810	3,984	22	30	5-2	44.6
COMPTON	8	10	20	16	13	12	3,665	3,559	4,050	12	31	4-23	50.8
FFR 544W	6	-	-	-	-	-	-	-	-	11	30	4-28	45.6
FLORIDA 301	-	-	-	-	-	-	3,069	2,951	3,426	-	-	-	-
TEST MEAN	27	20	27	13	11	15	3,571	3,626	4,128	17	33	-	-
L. S. D. (.10)	7	6	7	4	4	4	607	763	781	-	-	-	-
C. V. (%)	19	22	20	24	26	20	13	16	14	-	-	-	-
OATS													
BOB	78	-	-	-	-	-	4,365	-	-	57	44	4-12	33.5
COKER 227	75	70	57	-	-	-	5,085	5,328	5,572	71	43	4-15	31.7
COKER 820	73	64	54	-	-	-	4,658	5,117	5,397	53	44	4-2	33.5
833	72	73	61	-	-	-	5,207	5,280	5,273	42	44	4-16	32.4
CITATION	71	74	64	-	-	-	5,240	5,530	5,601	46	45	4-13	32.2
AR 102-S	68	-	-	-	-	-	4,998	-	-	35	42	4-15	32.1
FLORIDA 501	64	54	49	-	-	-	3,082	3,829	4,242	51	43	4-8	31.5
FFR SF7630	62	48	-	-	-	-	5,054	5,089	-	70	49	4-12	31.3
FLORIDA 502	57	57	54	-	-	-	3,854	4,402	4,745	33	41	4-7	32.3
SIMPSON	55	41	43	-	-	-	5,093	4,891	5,178	38	45	4-20	29.8
COKER 716	48	37	-	-	-	-	4,858	4,915	5,095	44	45	4-20	31.8
TEST MEAN	66	58	55	-	-	-	4,681	4,931	5,138	49	44	-	-
L. S. D. (.10)	18	16	16	-	-	-	780	746	766	-	-	-	-
C. V. (%)	20	21	21	-	-	-	12	11	11	-	-	-	-

1/ WHEAT FORAGE YIELDS ARE FROM CAMDEN, BREWTON, HEADLAND, AND MONROEVILLE.

CONTINUED

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

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE GRAIN AFTER GRAZING			AVERAGE YIELD/ACRE FORAGE ONLY			1990 AVERAGE			
	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	1990	2-YR.	3-YR.	LODGING HEIGHT	1/10 HEADED	TEST WT.	
	BU.	BU.	BU.	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
<u>RYE</u>													
CAROLINA MAGIC	-	-	-	-	-	-	5,878	-	-	-	-	-	-
AFC 20-40	-	-	-	-	-	-	5,827	5,522	-	-	-	-	-
DOSSCO GRAZER II	-	-	-	-	-	-	5,768	5,548	5,433	-	-	-	-
GA WA HRC3	-	-	-	-	-	-	5,762	-	-	-	-	-	-
ELBON	-	-	-	-	-	-	5,752	5,498	5,355	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	-	-	-	5,681	5,480	5,258	-	-	-	-
AFC 20-30	-	-	-	-	-	-	5,674	-	-	-	-	-	-
NF 73	-	-	-	-	-	-	5,632	5,632	5,516	-	-	-	-
GA WA C3L	-	-	-	-	-	-	5,604	-	-	-	-	-	-
UNDERWOOD EXP 845	-	-	-	-	-	-	5,566	5,241	5,133	-	-	-	-
GI 2000X	-	-	-	-	-	-	5,541	-	-	-	-	-	-
AFC 20-10	-	-	-	-	-	-	5,468	5,397	5,228	-	-	-	-
GI 90	-	-	-	-	-	-	5,458	5,408	-	-	-	-	-
GI 87	-	-	-	-	-	-	5,333	5,357	5,715	-	-	-	-
GI 88	-	-	-	-	-	-	5,320	5,211	5,106	-	-	-	-
BONEL	-	-	-	-	-	-	5,314	5,330	5,245	-	-	-	-
FLORIDA 402	-	-	-	-	-	-	5,311	5,258	5,090	-	-	-	-
MGI 30-30	-	-	-	-	-	-	5,277	5,241	-	-	-	-	-
MATON	-	-	-	-	-	-	5,199	5,390	5,382	-	-	-	-
WINTERGRAZER 70	-	-	-	-	-	-	5,195	5,357	5,365	-	-	-	-
UNDERWOOD EXP 425	-	-	-	-	-	-	5,158	5,086	4,990	-	-	-	-
NF 142	-	-	-	-	-	-	5,154	5,357	5,313	-	-	-	-
GI 87X	-	-	-	-	-	-	5,097	5,367	5,262	-	-	-	-
WREN'S ABRUZZI AL	-	-	-	-	-	-	5,079	-	-	-	-	-	-
GA WA C3E	-	-	-	-	-	-	4,997	-	-	-	-	-	-
GI 85	-	-	-	-	-	-	4,987	5,140	5,154	-	-	-	-
WREN'S ABRUZZI	-	-	-	-	-	-	4,932	5,154	5,175	-	-	-	-
FORAGER	-	-	-	-	-	-	4,931	5,067	5,034	-	-	-	-
AFC 20-20	-	-	-	-	-	-	4,901	5,152	5,063	-	-	-	-
FLORIDA 401	-	-	-	-	-	-	4,101	4,321	4,292	-	-	-	-
TEST MEAN	-	-	-	-	-	-	5,330	5,283	5,205	-	-	-	-
L. S. D. (.10)	-	-	-	-	-	-	732	777	814	-	-	-	-
C. V. (%)	-	-	-	-	-	-	10	11	12	-	-	-	-
<u>TRITICALE</u>													
JENKINS	47	26	25	-	-	-	2,860	2,029	2,585	6	44	3-24	43.3
FLORIDA 201	46	30	35	12	7	15	2,102	2,160	2,495	8	39	3-22	45.5
BEAGLE 82	40	28	34	8	4	11	3,374	3,124	3,281	5	41	3-28	41.6
SUNLAND	32	26	-	8	-	-	3,693	3,455	-	3	38	3-29	45.5
MORRISON	23	24	32	18	13	14	5,582	4,439	4,515	7	49	4-21	40.0
VICTORIA	23	17	-	-	-	-	3,891	3,160	-	10	39	4-15	38.8
STAN II	19	23	-	-	-	-	5,751	4,707	-	6	43	4-21	40.4
COUNCIL	17	19	25	16	11	10	5,594	4,271	4,421	21	48	4-18	38.0
THOMAS	12	18	27	18	14	16	5,069	4,042	4,210	11	45	4-22	38.8
STAN I	11	13	22	-	-	-	4,474	3,424	3,781	46	44	4-26	38.0
TEST MEAN	27	22	29	13	10	13	4,239	3,481	3,612	12	43	-	-
L. S. D. (.10)	8	7	8	7	5	6	498	388	398	-	-	-	-
C. V. (%)	23	23	20	38	39	33	8	8	8	-	-	-	-

2/ RYE FORAGE YIELDS ARE FROM BREWTON, FAIRHOPE, HEADLAND, AND MONROEVILLE.
3/ TRITICALE FORAGE YIELDS ARE FROM FAIRHOPE ONLY.

TABLE 12. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1990	TEST WT.	3-YR. AV.	1990	3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
WHEAT							
FLORIDA 303	33	51.0	30	-	-	2,410	-
COKER 9835	32	52.0	-	-	-	-	-
COKER 9733	25	53.9	25	9	15	2,615	-
COKER 9766	22	48.0	30	15	16	2,736	3,601
COKER 9323	21	46.0	-	6	12	2,047	3,192
GA 100	21	40.9	-	-	-	-	-
BAYLES	21	44.8	-	-	-	-	-
FLORIDA 301H	20	29.4	19	-	-	-	-
COKER 9105	19	48.6	-	-	-	-	-
MCNAIR 1003	17	39.6	21	9	16	3,016	3,600
TRAVELER	16	43.8	25	8	-	2,729	-
GA ANDY	14	50.0	-	-	-	-	-
MADISON	13	40.2	-	-	-	-	-
FLORIDA 302	11	37.2	27	15	21	3,032	3,778
MASSEY	8	-	20	15	17	2,903	3,752
COKER 983	6	46.0	25	8	17	-	-
TERRAL 812	6	-	18	8	13	-	-
GA CORE	4	42.2	-	-	-	-	-
PIONEER 2551	1	-	21	20	15	2,409	3,396
TERRAL 817	1	-	-	13	17	-	-
FFR 525W	1	-	-	-	-	-	-
STACY	1	-	19	13	15	2,369	3,637
COKER 9024	1	-	-	-	-	-	-
TERRAL 101	1	-	-	13	-	3,060	-
PIONEER 2548	0	-	-	16	-	2,698	-
WILLIAMS	0	-	21	14	-	2,924	3,850
WAKEFIELD	0	-	-	-	-	-	-
PIONEER 2555	0	-	26	23	-	2,655	-
CALDWELL	0	32.5	12	14	11	2,959	3,680
FILLMORE	0	-	13	-	-	2,175	3,250
COMPTON	0	-	19	16	12	2,344	3,418
SALUDA	0	-	15	-	-	2,652	3,882
FFR 544W	0	-	-	-	-	-	-
FLORIDA 301	-	-	-	-	-	2,132	2,947
TEST MEAN	10	-	21	13	15	2,625	3,537
L. S. D. (.10)	3	-	8	4	4	529	473
C. V. (%)	25	-	28	24	20	15	10

CONTINUED

TABLE 12. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1990

CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1990	TEST WT.	3-YR. AV.	1990	3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
OATS							
B33	91	-	52	-	-	3,278	4,199
COKER 227	90	31.0	49	-	-	3,396	4,472
SIMPSON	84	31.4	48	-	-	3,378	4,534
CITATION	84	31.7	57	-	-	3,630	4,393
BOB	79	33.2	-	-	-	2,878	-
FFR SF7630	79	29.7	-	-	-	3,368	-
COKER 716	73	31.0	-	-	-	3,692	4,663
AR 102-S	70	30.7	-	-	-	3,450	-
FLORIDA 501	70	30.0	40	-	-	2,898	3,520
COKER 820	64	29.6	36	-	-	3,244	4,369
FLORIDA 502	48	30.6	33	-	-	2,773	3,608
TEST MEAN	76	-	45	-	-	3,271	4,220
L. S. D. (.10)	17	-	13	-	-	505	530
C. V. (%)	16	-	22	-	-	11	9
RYE							
BONEL	-	-	-	-	-	3,888	-
GI 87	-	-	-	-	-	3,672	-
AFC 20-20	-	-	-	-	-	3,235	-
WREN'S ABRUZZI	-	-	-	-	-	3,214	-
GI 87X	-	-	-	-	-	3,202	-
GI 85	-	-	-	-	-	3,158	-
WINTERGRAZER 70	-	-	-	-	-	3,135	-
FORAGER	-	-	-	-	-	3,133	-
MATON	-	-	-	-	-	3,130	-
TEST MEAN	-	-	-	-	-	3,307	-
L. S. D. (.10)	-	-	-	-	-	135	-
C. V. (%)	-	-	-	-	-	3	-
TRITICALE							
JENKINS	38	40.1	24	-	-	-	-
FLORIDA 201	37	49.0	28	12	15	-	-
BEAGLE 82	34	-	27	8	10	-	-
COUNCIL	25	-	25	16	10	-	-
SUNLAND	20	-	-	8	-	-	-
STAN II	20	-	-	-	-	-	-
MORRISON	17	-	28	18	14	-	-
VICTORIA	12	-	-	-	-	-	-
STAN I	4	30.1	20	-	-	-	-
THOMAS	3	-	23	18	16	-	-
TEST MEAN	21	-	25	13	13	-	-
L. S. D. (.10)	10	-	7	7	6	-	-
C. V. (%)	32	-	22	38	34	-	-

TABLE 13. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.	
WHEAT						
COKER 9835	77	55.5	-	-	-	-
BAYLES	77	52.5	-	-	-	-
GA 100	74	54.3	-	-	-	-
FLORIDA 301H	69	57.1	30	-	-	-
GA GORE	68	55.7	-	-	-	-
MADISON	67	55.1	-	-	-	-
MASSEY	65	55.1	41	5,572	-	5,019
COKER 9105	63	55.4	-	-	-	-
COKER 9766	61	53.8	52	5,008	-	4,806
TERRAL 817	61	57.8	-	-	-	-
FLORIDA 303	59	55.0	32	3,422	-	-
GA ANDY	58	57.4	-	-	-	-
COKER 9733	57	59.0	37	3,908	-	-
TRAVELER	56	54.0	39	4,625	-	-
COKER 9323	50	52.1	-	4,695	-	-
TERRAL 812	44	53.1	36	-	-	-
FFR 525W	44	53.8	-	-	-	-
FLORIDA 302	43	53.0	36	4,761	-	4,104
MCNAIR 1003	42	54.2	37	5,661	-	5,163
COKER 983	41	55.1	39	-	-	-
STACY	36	53.1	36	5,477	-	5,524
WAKEFIELD	36	54.0	-	-	-	-
PIONEER 2551	35	48.6	35	5,712	-	5,856
WILLIAMS	33	48.2	40	6,153	-	5,804
TERRAL 101	33	49.9	-	4,538	-	-
PIONEER 2548	29	51.4	-	5,376	-	-
PIONEER 2555	28	48.3	39	5,363	-	-
FILLMORE	27	50.7	28	5,035	-	4,195
SALUDA	23	49.7	29	5,690	-	5,881
COKER 9024	19	48.4	-	-	-	-
CALDWELL	15	46.5	24	5,988	-	4,752
COMPTON	12	50.3	24	5,282	-	5,269
FFR 544W	6	43.1	-	-	-	-
FLORIDA 301	-	-	-	4,472	-	4,013
TEST MEAN	46	-	35	5,091	-	5,032
L. S. D. (.10)	8	-	8	716	-	884
C. V. (%)	13	-	17	10	-	13
OATS						
COKER 820	113	35.1	61	4,767	-	5,266
OZARK	110	33.5	-	4,983	-	-
BOB	105	34.3	-	4,747	-	-
COKER 227	98	31.0	66	5,528	-	5,705
833	91	31.4	62	5,468	-	5,165
CITATION	90	32.0	66	4,879	-	5,430
FFR SS 76-30	87	32.5	-	5,356	-	-
FLORIDA 502	76	31.2	65	3,380	-	4,535
SIMPSON	73	27.9	37	5,589	-	5,224
COKER 716	71	28.6	-	5,325	-	5,097
FLORIDA 501	68	30.2	39	2,297	-	3,334
TEST MEAN	89	-	56	4,756	-	4,970
L. S. D. (.10)	17	-	18	723	-	909
C. V. (%)	14	-	23	11	-	13

CONTINUED

TABLE 13. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.	
<u>RYE</u>						
MATON	-	-	-	6,106	5,594	
GA WA HRC3	-	-	-	6,042	-	
GURLEY'S GRAZER 2000	-	-	-	5,970	5,541	
AFC 20-40	-	-	-	5,924	-	
GI 88	-	-	-	5,837	5,513	
AFC 20-10	-	-	-	5,837	5,463	
AFC 20-20	-	-	-	5,829	5,304	
WREN'S ABRUZZI	-	-	-	5,809	5,766	
BONEL	-	-	-	5,799	5,400	
GI 85	-	-	-	5,784	5,608	
AFC 20-30	-	-	-	5,774	-	
WINTERGRAZER 70	-	-	-	5,746	5,214	
MGI 30-30	-	-	-	5,722	-	
GI 87	-	-	-	5,721	5,877	
DOSSCO GRAZER II	-	-	-	5,713	5,398	
ELBON	-	-	-	5,710	5,468	
NF 73	-	-	-	5,631	5,508	
FORAGER	-	-	-	5,619	5,287	
GI 87X	-	-	-	5,610	5,483	
FLORIDA 402	-	-	-	5,594	5,159	
VOLUNTEER MAGIC	-	-	-	5,527	-	
WREN'S ABRUZZI AL	-	-	-	5,485	-	
GI 90	-	-	-	5,485	-	
GURLEY GRAZER 2000X	-	-	-	5,445	-	
NF 142	-	-	-	5,445	5,383	
GA WA C3L	-	-	-	5,305	-	
UNDERWOOD EXP 845	-	-	-	5,301	5,094	
UNDERWOOD EXP 425	-	-	-	5,157	4,735	
GA WA C3E	-	-	-	5,141	-	
FLORIDA 401	-	-	-	4,052	3,977	
TEST MEAN	-	-	-	5,604	5,339	
L. S. D. (.10)	-	-	-	571	822	
C. V. (%)	-	-	-	7	11	
<u>TRITICALE</u>						
FLORIDA 201	68	49.9	40	-	-	
JENKINS	61	47.3	28	-	-	
BEAGLE B2	53	47.0	32	-	-	
VICTORIA	49	43.3	-	-	-	
MORRISON	37	44.5	38	-	-	
SUNLAND	35	50.6	-	-	-	
STAN II	32	44.3	-	-	-	
THOMAS	28	40.8	35	-	-	
STAN I	24	43.4	27	-	-	
COUNCIL	24	40.0	28	-	-	
TEST MEAN	41	-	33	-	-	
L. S. D. (.10)	6	-	9	-	-	
C. V. (%)	11	-	20	-	-	

TABLE 14. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.	
WHEAT						
COKER 9835	51	53.5	-	-	-	
BAYLES	43	50.4	-	-	-	
GA 100	42	52.3	-	-	-	
COKER 9105	41	54.2	-	-	-	
MCNAIR 1003	41	48.3	32	3,004	3,917	
COKER 9766	39	52.0	41	2,803	3,543	
FLORIDA 301H	38	53.2	28	-	-	
COKER 9323	38	50.4	-	2,706	-	
FFR 525W	37	55.4	-	-	-	
TERRAL 817	36	55.2	-	-	-	
MADISON	36	53.4	-	-	-	
FLORIDA 303	36	52.5	28	2,255	-	
COKER 9733	34	57.6	28	2,760	-	
STACY	34	54.5	27	3,569	4,085	
GA GORE	34	53.5	-	-	-	
TRAVELER	32	51.6	28	3,341	-	
COKER 983	31	54.8	28	-	-	
WAKEFIELD	31	52.3	-	-	-	
GA ANDY	30	54.4	-	-	-	
TERRAL 812	29	51.5	27	-	-	
MASSEY	29	41.0	25	2,976	3,829	
FLORIDA 302	25	50.9	28	3,119	3,145	
TERRAL 101	23	47.9	-	3,170	-	
WILLIAMS	22	46.0	27	3,365	4,050	
PIONEER 2555	22	47.3	26	3,607	-	
PIONEER 2548	22	50.9	-	3,346	-	
PIONEER 2551	19	45.7	25	3,549	3,772	
SALUDA	19	48.8	22	3,672	3,686	
FILLMORE	16	43.3	21	2,679	3,058	
COKER 9024	16	47.5	-	-	-	
CALDWELL	9	45.7	20	2,953	3,178	
FFR 544W	9	44.1	-	-	-	
COMPTON	8	51.6	19	3,091	3,346	
FLORIDA 301	-	-	-	3,144	2,826	
TEST MEAN	30	-	27	3,111	3,536	
L. S. D. (.10)	7	-	6	351	645	
C. V. (%)	18	-	16	8	13	
OATS						
COKER 820	104	32.3	71	4,426	4,659	
CITATION	94	32.1	81	4,691	4,968	
BOB	89	32.0	-	2,892	-	
OZARK	88	31.8	-	4,604	-	
COKER 227	88	29.7	69	4,625	4,745	
833	86	30.5	72	4,868	4,989	
FFR SS 76-30	82	32.5	-	4,334	-	
SIMPSON	77	26.4	64	3,979	4,737	
FLORIDA 502	73	30.9	57	2,731	3,870	
FLORIDA 501	71	30.8	57	1,367	3,400	
COKER 716	68	25.2	-	4,501	4,817	
TEST MEAN	84	-	67	3,911	4,523	
L. S. D. (.10)	12	-	11	836	734	
C. V. (%)	11	-	12	15	12	

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TABLE 14. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.	
<u>RYE</u>						
AFC 20-10	-	-	-	4,735	4,628	
AFC 20-30	-	-	-	4,712	-	
GA WA HRC3	-	-	-	4,694	-	
GI 87X	-	-	-	4,658	4,838	
FLORIDA 402	-	-	-	4,635	4,279	
VOLUNTEER MAGIC	-	-	-	4,528	-	
MATON	-	-	-	4,528	4,795	
DOSSCO GRAZER II	-	-	-	4,528	4,636	
GI 87	-	-	-	4,508	4,763	
WINTERGRAZER 70	-	-	-	4,494	4,712	
AFC 20-40	-	-	-	4,450	-	
ELBON	-	-	-	4,372	4,675	
GI 88	-	-	-	4,365	4,504	
GURLEY GRAZER 2000X	-	-	-	4,353	-	
GI 90	-	-	-	4,341	-	
GURLEY'S GRAZER 2000	-	-	-	4,277	4,425	
GA WA C3L	-	-	-	4,265	-	
UNDERWOOD EXP 845	-	-	-	4,246	4,418	
FORAGER	-	-	-	4,245	4,144	
GA WA C3E	-	-	-	4,230	-	
BONEL	-	-	-	4,199	4,670	
NF 73	-	-	-	4,163	4,696	
UNDERWOOD EXP 425	-	-	-	4,119	4,424	
NF 142	-	-	-	4,108	4,483	
GI 85	-	-	-	4,097	4,352	
AFC 20-20	-	-	-	4,027	4,318	
WREN'S ABRUZZI	-	-	-	3,995	4,286	
MGI 30-30	-	-	-	3,944	-	
WREN'S ABRUZZI AL	-	-	-	3,884	-	
FLORIDA 401	-	-	-	2,417	3,212	
TEST MEAN	-	-	-	4,271	4,463	
L. S. D. (.10)	-	-	-	573	511	
C. V. (%)	-	-	-	10	8	
<u>TRITICALE</u>						
FLORIDA 201	45	47.9	-	-	-	
JENKINS	41	45.5	-	-	-	
BEAGLE B2	31	44.9	-	-	-	
SUNLAND	25	49.6	-	-	-	
VICTORIA	21	37.9	-	-	-	
MORRISON	15	41.6	-	-	-	
COUNCIL	13	37.8	-	-	-	
THOMAS	13	39.0	-	-	-	
STAN II	13	39.8	-	-	-	
STAN I	10	40.0	-	-	-	
TEST MEAN	23	-	-	-	-	
L. S. D. (.10)	6	-	-	-	-	
C. V. (%)	17	-	-	-	-	

TABLE 15. PERFORMANCE OF SMALL GRAINS AT HEADLAND, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE		FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
<u>WHEAT</u>					
GA ANDY	31	51.8	-	-	-
COKER 9835	26	-	-	-	-
GA GORE	24	49.6	-	-	-
BAYLES	23	46.4	-	-	-
COKER 9105	20	47.4	-	-	-
COKER 9733	18	-	29	3,136	-
FLORIDA 301H	17	48.7	28	-	-
GA 100	17	-	-	-	-
MCNAIR 1003	14	46.4	31	3,922	5,198
FLORIDA 303	14	-	27	2,269	-
MASSEY	13	47.4	28	3,988	4,936
STACY	11	47.2	23	3,648	5,310
COKER 9766	10	48.8	35	3,794	4,763
WILLIAMS	9	47.4	27	4,965	6,138
PIONEER 2551	9	47.4	24	3,653	4,958
TERRAL 817	9	50.2	-	-	-
FFR 525W	8	50.4	-	-	-
COKER 983	5	-	21	-	-
TRAVELER	5	44.7	24	2,746	-
TERRAL 101	4	-	-	2,951	-
MADISON	4	-	-	-	-
WAKEFIELD	3	-	-	-	-
COMPTON	2	-	16	3,943	4,166
PIONEER 2555	2	-	26	3,715	-
FILLMORE	2	-	16	3,424	3,858
TERRAL 812	2	-	21	-	-
FLORIDA 302	2	-	23	3,304	3,685
COKER 9323	2	-	-	2,543	-
CALDWELL	1	-	13	4,062	4,327
PIONEER 2548	1	-	-	3,111	-
SALUDA	0	-	13	3,980	4,333
COKER 9024	0	-	-	-	-
FFR 544W	0	-	-	-	-
FLORIDA 301	-	-	-	2,529	3,917
TEST MEAN	9	-	24	3,457	4,633
L. S. D. (.10)	7	-	7	784	1,025
C. V. (%)	54	-	21	16	16
<u>OATS</u>					
BOB	45	-	-	5,447	-
COKER 227	41	33.3	54	5,589	6,646
B33	38	34.6	67	6,154	6,152
CITATION	31	33.9	67	6,826	7,116
FFR SS 76-30	30	-	-	6,069	-
SIMPSON	30	33.2	41	6,546	6,051
OZARK	26	33.4	-	5,741	-
COKER 820	24	35.8	57	5,773	6,873
FLORIDA 501	21	33.8	53	5,364	6,304
COKER 716	17	41.0	-	5,444	5,764
FLORIDA 502	14	34.4	60	5,326	6,634
TEST MEAN	29	-	57	5,843	6,443
L. S. D. (.10)	16	-	16	817	913
C. V. (%)	40	-	20	10	10

CONTINUED

TABLE 15. PERFORMANCE OF SMALL GRAINS AT HEADLAND, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990 TEST WT.		3-YR. AV.	1990	3-YR. AV.
	BU.	LB. /BU.	BU.	LB.	LB.
<u>RYE</u>					
VOLUNTEER MAGIC	-	-	-	7,422	-
AFC 20-40	-	-	-	7,305	-
NF 73	-	-	-	7,287	7,174
GI 87	-	-	-	7,131	7,398
GA WA C3L	-	-	-	7,095	-
DOSSCO GRAZER II	-	-	-	6,978	7,236
WREN'S ABRUZZI	-	-	-	6,859	7,082
GA WA HRC3	-	-	-	6,802	-
UNDERWOOD EXP 845	-	-	-	6,784	6,855
ELBON	-	-	-	6,731	6,620
BONEL	-	-	-	6,645	6,567
GURLEY'S GRAZER 2000	-	-	-	6,621	6,722
WINTERGRAZER 70	-	-	-	6,543	7,315
GI 90	-	-	-	6,506	-
FORAGER	-	-	-	6,427	6,993
UNDERWOOD EXP 425	-	-	-	6,402	6,804
GI 85	-	-	-	6,151	6,761
GURLEY GRAZER 2000X	-	-	-	6,134	-
FLORIDA 401	-	-	-	6,108	6,794
AFC 20-30	-	-	-	6,082	-
MATON	-	-	-	6,080	6,993
GI 87X	-	-	-	6,018	6,734
FLORIDA 402	-	-	-	6,017	6,929
MGI 30-30	-	-	-	6,010	-
GA WA C3E	-	-	-	5,976	-
WREN'S ABRUZZI AL	-	-	-	5,922	-
NF 142	-	-	-	5,758	6,775
AFC 20-20	-	-	-	5,617	6,668
AFC 20-10	-	-	-	5,598	6,316
GI 88	-	-	-	5,507	5,968
TEST MEAN	-	-	-	6,417	6,835
L. S. D. (.10)	-	-	-	1,151	1,222
C. V. (%)	-	-	-	13	13
<u>TRITICALE</u>					
JENKINS	35	42.6	21	-	-
FLORIDA 201	29	42.8	37	-	-
BEAGLE 82	28	40.1	42	-	-
SUNLAND	23	44.0	-	-	-
MORRISON	20	39.2	35	-	-
VICTORIA	15	37.9	-	-	-
STAN II	15	40.2	-	-	-
COUNCIL	5	41.2	26	-	-
THOMAS	5	41.3	26	-	-
STAN I	2	-	19	-	-
TEST MEAN	18	-	30	-	-
L. S. D. (.10)	11	-	9	-	-
C. V. (%)	44	-	23	-	-

TABLE 16. PERFORMANCE OF SMALL GRAINS AT FAIRHOPE, ALABAMA, 1990

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE		
	1990 TEST WT.		3-YR. AV.	1990		3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.	
WHEAT						
COKER 9835	67	54.9	-	-	-	
COKER 9105	64	56.5	-	-	-	
GA GORE	60	57.0	-	-	-	
GA 100	57	54.3	-	-	-	
MADISON	53	55.1	-	-	-	
COKER 9733	53	57.1	43	-	-	
TERRAL 817	51	56.2	-	-	-	
COKER 9766	51	52.3	42	-	-	
FFR 525W	51	55.3	-	-	-	
TERRAL 101	51	52.3	-	-	-	
WAKEFIELD	50	52.8	-	-	-	
BAYLES	47	52.3	-	-	-	
TERRAL 812	45	54.5	33	-	-	
MCNAIR 1003	43	52.0	36	-	-	
FLORIDA 303	41	53.6	37	-	-	
PIONEER 2548	40	51.7	-	-	-	
FLORIDA 302	39	51.5	37	-	-	
COKER 9024	39	52.8	-	-	-	
GA ANDY	39	54.4	-	-	-	
MASSEY	38	53.0	30	-	-	
COKER 9323	37	51.1	-	-	-	
TRAVELER	36	48.8	34	-	-	
STACY	36	53.3	27	-	-	
COKER 983	34	54.5	29	-	-	
PIONEER 2551	29	50.3	28	-	-	
FLORIDA 301H	29	52.2	21	-	-	
WILLIAMS	26	47.7	27	-	-	
PIONEER 2555	25	49.0	26	-	-	
SALUDA	23	51.8	23	-	-	
FILLMORE	19	49.0	23	-	-	
COMPTON	18	52.0	19	-	-	
CALDWELL	17	49.1	18	-	-	
FFR 544W	15	49.7	-	-	-	
TEST MEAN	40	-	30	-	-	
L. S. D. (.10)	8	-	7	-	-	
C. V. (%)	15	-	18	-	-	
DATS						
FLORIDA 501	92	32.6	56	3,485	4,651	
FLORIDA 502	75	34.3	56	5,062	5,077	
BOB	69	34.6	-	5,859	-	
COKER 820	60	34.5	46	5,079	5,817	
CITATION	57	31.2	51	6,175	6,096	
COKER 227	57	33.7	50	6,287	6,293	
B33	56	33.3	51	6,269	5,861	
AR 102-S	48	31.0	-	6,213	-	
FFR SF7630	34	30.7	-	6,142	-	
COKER 716	10	33.4	-	5,327	5,136	
SIMPSON	9	30.3	25	5,973	5,344	
TEST MEAN	51	-	48	5,625	5,534	
L. S. D. (.10)	27	-	20	1,065	740	
C. V. (%)	38	-	31	13	10	

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TABLE 16. PERFORMANCE OF SMALL GRAINS AT FAIRHOPE, ALABAMA, 1990
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1990	TEST WT.	3-YR. AV.	1990	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
<u>RYE</u>					
GI 2000X	-	-	-	6,231	-
ELBON	-	-	-	6,196	4,656
MATON	-	-	-	6,150	4,835
AFC 20-30	-	-	-	6,129	-
WINTERGRAZER 70	-	-	-	6,058	4,904
BONEL	-	-	-	6,038	4,817
CAROLINA MAGIC	-	-	-	6,037	-
GI 87X	-	-	-	5,995	4,626
UNDERWOOD EXP 845	-	-	-	5,933	4,164
GURLEY'S GRAZER 2000	-	-	-	5,855	4,346
DOSSCO GRAZER II	-	-	-	5,854	4,461
AFC 20-20	-	-	-	5,797	4,519
GA WA C3L	-	-	-	5,751	-
GI 85	-	-	-	5,743	4,505
AFC 20-10	-	-	-	5,702	4,505
GI 87	-	-	-	5,633	-
AFC 20-40	-	-	-	5,630	-
GI 88	-	-	-	5,570	4,440
GA WA HRC3	-	-	-	5,512	-
GI 90	-	-	-	5,500	-
NF 73	-	-	-	5,447	4,685
MGI 30-30	-	-	-	5,432	-
NF 142	-	-	-	5,305	4,613
FORAGER	-	-	-	5,231	4,312
WREN'S ABRUZZI AL	-	-	-	5,023	-
FLORIDA 402	-	-	-	4,998	3,995
UNDERWOOD EXP 425	-	-	-	4,955	3,998
WREN'S ABRUZZI	-	-	-	4,785	4,137
GA WA C3E	-	-	-	4,639	-
FLORIDA 401	-	-	-	3,827	3,183
TEST MEAN	-	-	-	5,565	4,405
L. S. D. (.10)	-	-	-	606	549
C. V. (%)	-	-	-	8	9
<u>TRITICALE</u>					
JENKINS	60	41.0	28	2,860	2,585
SUNLAND	57	44.1	-	3,693	-
BEAGLE 82	51	41.5	38	3,374	3,281
FLORIDA 201	49	43.0	35	2,102	2,495
MORRISON	26	38.6	27	5,582	4,515
COUNCIL	17	37.3	22	5,594	4,421
VICTORIA	16	36.1	-	3,891	-
STAN II	16	37.5	-	5,751	-
STAN I	14	38.5	20	4,474	3,781
THOMAS	13	37.2	21	5,069	4,210
TEST MEAN	32	-	27	4,239	3,612
L. S. D. (.10)	10	-	7	498	398
C. V. (%)	21	-	18	8	8

Table 17. Septoria Blotch Ratings for Wheat Varieties in Alabama, 1989-90^{1/}

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles	7.7	5.7	4.4
Caldwell	6.7	4.3	2.8
Coker 916	7.3	5.7	-
Coker 983	5.3	5.0	5.3
Coker 9323	7.3	5.0	3.6
Coker 9733	6.7	5.3	3.2
Coker 9766	5.0	4.0	5.0
Compton	7.3	3.3	2.2
C 86-24	5.3	4.3	2.4
C 86-25	5.0	5.0	3.0
C 86-35	6.0	3.3	3.2
FFR 525	6.7	4.3	3.2
FFR 544W	7.0	5.0	2.8
FFR 568W	-	4.0	-
Fillmore	3.3	4.0	3.0
Florida 301H	-	-	4.6
Florida 302	6.7	5.0	4.2
Florida 303	7.3	6.0	4.4
GA 100	8.3	5.7	3.4
GA Andy	8.0	6.3	3.8
GA Gore	7.3	4.7	3.4
Massey	8.3	5.7	4.7
McNair 1003	7.3	4.7	4.0
Pioneer 2548	7.0	4.3	3.4
Pioneer 2551	6.0	5.0	1.8
Pioneer 2555	6.7	3.3	2.6
Saluda	6.7	4.7	2.8
Stacy	7.3	5.7	4.2
Terral 101	7.0	4.3	2.6
Terral 812	-	6.0	3.6
Terral 817	-	7.0	3.8
Traveler	7.7	6.3	4.0
Tyler	6.7	4.3	-
Madison	6.7	4.0	4.2
Wakefield	6.3	5.0	2.8
Williams	7.0	6.0	3.6

^{1/} 0-10 scale: 0 = no disease, 10 = severe disease.

Table 18. Leaf Rust Ratings for Wheat Varieties in Alabama
1989-90^{1/}

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Bayles	0	1.0	3.8
Caldwell	1.5	4.0	4.8
Coker 916	2.7	5.3	-
Coker 983	4.7	3.3	3.4
Coker 9323	6.0	4.7	6.2
Coker 9733	0	3.3	.4
Coker 9766	2.3	1.3	2.6
Compton	2.7	2.3	5.0
C 86-24	1.7	3.7	4.2
C 86-25	.6	1.0	.6
C 86-35	1.3	1.0	1.6
FFR 525	1.3	2.7	3.8
FFR 544W	5.0	3.0	5.8
FFR 568W	-	5.0	-
Fillmore	1.0	4.3	3.4
Florida 301H	-	-	4.6
Florida 302	2.3	4.7	6.2
Florida 303	0	1.7	1.5
GA 100	0	4.0	2.2
GA Andy	2.7	1.7	2.8
GA Gore	.6	.3	1.8
Massey	8.7	6.7	7.2
McNair 1003	5.0	5.3	5.4
Pioneer 2548	0	1.3	4.6
Pioneer 2551	1.3	1.0	.6
Pioneer 2555	3.0	4.0	5.8
Saluda	6.0	3.7	4.8
Stacy	3.3	5.3	5.6
Terral 101	2.0	1.7	4.0
Terral 812	-	3.7	3.8
Terral 817	-	0	2.0
Traveler	3.7	5.7	6.4
Tyler	6.0	6.7	-
Madison	2.5	6.0	5.2
Wakefield	1.0	3.7	3.8
Williams	7.0	5.3	5.8

^{1/} 0-10 scale: 0 = no disease, 10 = severe disease.

Table 19. Powdery Mildew Ratings for Wheat Varieties in Alabama, 1989-90^{1/}

Brand-variety	Northern ^{2/} Alabama	Central Alabama	Southern Alabama
Bayles	0	0	1.5
Caldwell	4.0	4.0	1.6
Coker 916	0	0	0
Coker 983	1.5	1.0	.8
Coker 9323	3.0	5.7	3.3
Coker 9733	0	2.0	0
Coker 9766	2.5	2.7	1.2
Compton	4.0	2.0	1.8
C 86-24	0	1.0	1.6
C 86-25	0	2.0	.2
C 86-35	3.5	1.0	1.8
FFR 525	0	7.3	3.8
FFR 544W	0	2.0	.3
FFR 568W	-	1.3	-
Fillmore	4.0	2.0	0
Florida 301H	-	-	4.0
Florida 302	0	.7	4.0
Florida 303	0	1.0	1.8
GA 100	0	2.0	.6
GA Andy	0	0	.3
GA Gore	0	2.0	1.6
Massey	8.0	0	0
McNair 1003	0	.3	2.3
Pioneer 2548	3.0	2.0	1.3
Pioneer 2551	0	0	2.8
Pioneer 2555	4.0	2.3	.3
Saluda	4.0	1.7	2.0
Stacy	0	1.0	1.7
Terral 101	0	2.7	4.4
Terral 812	-	1.0	1.0
Terral 817	-	0	.8
Traveler	4.0	2.0	1.7
Tyler	0	3.0	-
Madison	3.5	1.0	2.8
Wakefield	0	2.0	.8
Williams	-	.5	.5

^{1/} 0-10 scale: 0 = no disease, 10 = severe disease.

^{2/} Belle Mina and Crossville only.

Table 20. Disease Ratings for Barley Varieties in Northern Alabama, 1989-90^{1/}

Brand-variety	Stripe	Spot blotch	Net blotch	Septoria
Anson	1.0	4.5	3.5	2.0
Barsoy	0	6.0	7.0	-
Keowee	1.0	3.0	5.5	1.5
Sussex	2.0	7.0	6.0	3.0
Volbar	1.7	5.3	6.5	1.5
Wysor	2.0	7.0	4.0	2.0

^{1/} 0-10 scale: 0 = no disease, 10 = severe disease.

Table 21. Disease Ratings for Triticale Varieties in Alabama, 1989-90^{1/}

Brand-variety	Leaf rust	Septoria
<u>Northern Alabama</u>		
Council	1.0	5.3
Jenkins	2.0	6.7
Morrison	1.3	5.7
Stan I	0	4.3
Stan II	0	5.7
Sunland	0	6.3
Thomas	0	7.0
Victoria	0	5.7
<u>Central Alabama</u>		
Beagle 82	1.6	5.3
Council	0	3.3
Jenkins	0	5.0
Morrison	1.6	4.7
Stan I	0	3.7
Stan II	0	3.0
Sunland	1.0	4.3
Thomas	0	4.0
Victoria	0	4.3
<u>Southern Alabama</u>		
Beagle 82	1.4	4.2
Council	0	2.4
Florida 201	3.6	5.6
Jenkins	1.6	7.0
Morrison	.6	3.6
Stan I	0	3.6
Stan II	0	2.4
Sunland	.8	4.2
Thomas	.2	3.0
Victoria	.2	3.4

^{1/} 0-10 scale: 0 = no disease, 10 = severe disease.

Table 22. Disease Ratings for Oat Varieties in Alabama,
1989-90^{1/}

Brand-variety	Helminthosporium leaf spot	Leaf rust	Mosaic ^{2/} red leaf	Septoria
<u>Northern Alabama</u> ^{3/}				
833	3.7	0	20.0	2.0
AR 102-S	4.3	0	6.7	2.0
Bob	4.7	1.0	0	2.3
Citation	6.3	0	20.0	2.7
Coker 227	5.0	0	16.6	2.0
Coker 716	4.0	.3	11.7	2.0
FFR SF 7630	5.3	.3	21.7	2.3
Simpson	5.7	2.3	13.3	2.7
<u>Central Alabama</u>				
833	5.0	0	0	1.0
AR 102-S	3.7	0	5.0	1.0
Bob	2.3	0	5.0	1.0
Citation	3.7	0	8.3	1.7
Coker 227	3.3	0	3.3	1.0
Coker 716	2.7	1.0	T	1.0
Coker 820	2.3	0	5.0	1.7
FFR SF 7630	3.3	.7	3.3	2.0
Simpson	3.3	1.0	T	2.0
833	2.8	0	0	1.3
<u>Southern Alabama</u>				
833	2.0	3.2	5.0	1.2
AR 102-S	1.4	2.2	1.6	1.0
Bob	1.0	3.0	5.0	1.0
Citation	.6	1.2	1.3	.8
Coker 227	1.2	1.8	5.0	1.0
Coker 716	1.6	4.6	2.5	1.4
Coker 820	1.6	3.0	4.0	1.0
FFR SF 7630	2.2	4.6	10.0	1.2
Florida 501	2.2	3.0	23.8	1.2
Florida 502	1.0	1.4	3.4	1.0
Simpson	1.8	3.8	1.7	1.2

^{1/} 0-10 scale: 0 = no disease, 10 = severe disease.

^{2/} Percent plants affected.

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 17-22. For lodging, plant height, and maturity ratings, see tables 2, 6, and 11.

WHEAT

NORTH

Florida 302
Coker 9323
Pioneer 2555
Saluda
Tyler
Coker 9766
Pioneer 2551
Fillmore
Coker 983
Coker 916*
Massey*
Pioneer 2548**

CENTRAL

Coker 9766
Florida 302
Pioneer 2551
Pioneer 2555
Coker 916
Coker 9323
McNair 1003
Coker 983
Saluda
Williams
Caldwell*
Pioneer 2548**
Terral 101**

SOUTH

Coker 9766
Coker 9733
Florida 303
McNair 1003
Florida 302
Traveler
Massey
Coker 983
Pioneer 2555
Williams

OATS

NORTH

Citation
Coker 716
Simpson
Coker 227*
833*

CENTRAL

Citation
833
Coker 716
Simpson
Coker 227
Coker 820*

SOUTH

Citation
833
Coker 227

TRITICALE

NORTH

Morrison
Stan I
Thomas
Stan II**

CENTRAL

Morrison
Stan I
Thomas

SOUTH

Florida 201
Beagle 82
Morrison

BARLEY

NORTH

Wysor
Sussex
Anson*
Volbar*

*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.

VARIETIES RECOMMENDED FOR FORAGE ONLY

Variety recommendations for the three regions are based on 3-year regional averages of full-season forage yield in tables 2, 6, and 11. Varieties are listed in descending order of yield.

WHEAT

NORTH

Massey
Pioneer 2551
Saluda
Williams
Caldwell+
Stacy
McNair 1003
Fillmore
Compton**
Pioneer 2555**

CENTRAL

Pioneer 2551
Williams
Saluda
Caldwell+
Stacy
Massey
McNair 1003*
Compton**

SOUTH

Williams
Stacy
Pioneer 2551+
McNair 1003
Saluda+
Massey
Coker 9766
Pioneer 2555***

OATS

NORTH

Coker 716
Coker 227
833
Citation*
Coker 820*

CENTRAL

Coker 227
Coker 716
Simpson
833
Citation
Coker 820*

SOUTH

Citation
Coker 227
Coker 820
833
Simpson

TRITICALE

NORTH

Council
Stan I
Morrison
Thomas

CENTRAL

Council
Stan I
Morrison
Thomas

SOUTH

Morrison
Council
Thomas
Stan I

BARLEY

NORTH

Wysor
Sussex
Keowee*

Continued

RYE

NORTH

Maton
Wintergrazer 70
Bonel
NF 142
NF 73
Elbon
AFC 20-20*

CENTRAL

GI 87
AFC 20-10
Wintergrazer 70
Maton
Gurley Grazer 2000
GI 85
Bonel
AFC 20-20
GI 87X
Elbon

SOUTH

GI 87
NF 73
Dossco Grazer II
Maton
Wintergrazer 70
Elbon
NF 142
GI 87X
Gurley Grazer 2000
Bonel
AFC 20-10
GI 85*
AFC 20-20*
AFC 20-40**

*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, Fillmore	Ag. Alumni Seed Impr. Assoc., Inc. Romney, Indiana
Bayles, GA-Andy, GA-Gore, GA-100	Georgia Experiment Station Experiment, Georgia
Coker (all varieties, brands and hybrids), McNair 1003	The New Northup King Co. Memphis, Tennessee
Compton	Department of Agronomy, University of Kentucky Lexington, Kentucky
FFR 525W, FFR 544W, FFR 568W	FFR Cooperation West Lafayette, Indiana
Florida 301, Florida 301H, Florida 302, Florida 303	Univ. of Florida Agric. Res. Ctr. Quincy, Florida
Massey, Saluda, VA 85-52-24, VA 85-52-34	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Pioneer Brand 2548, 2551, and 2555	Pioneer Hi-Bred International, Inc. Tipton, Indiana
Stacy	Georgia Seed Development Comm. Athens, Georgia
Terral 101, Terral 312, Terral 817	Terral-Norris Seed Co. Lake Providence, Louisiana
Traveler	AgriPro Research Brookston, Indiana
Tyler	North Carolina Foundation Seed Producers, Inc. Raleigh, North Carolina
Williams	South Carolina Crop Impr. Assoc. Clemson, South Carolina

OATS

AR 102-S, Bob	University of Arkansas Fayetteville, Arkansas
Citation	Terral-Norris Seed Co. Lake Providence, Louisiana
Coker (all varieties, brands and hybrids)	The New Northrup King Co. Grifton, North Carolina
FFR SS7630	FFR Cooperation West Lafayette, Indiana
Florida 501, Florida 502	Univ. of Florida Agric. Res. Ctr. Quincy, Florida
Simpson	South Carolina Crop Impr. Assoc. Clemson, South Carolina
833	Arkansas County Seed Stuttgart, Arkansas
<u>RYE</u>	
AFC 20-10, AFC 20-30, AFC 20-40	Alabama Farmer's Coop. Decatur, Alabama
Bonel, Maton, Elbon, NF 73, NF 142	Noble Foundation Ardmore, Oklahoma
Carolina Magic, Wintergreen, Dossco Grazer II	Raymond Gurley, II Selma, North Carolina
Florida 401, FL-Syn-T, Florida 402	Univ. of Florida Agric. Res. Ctr. Quincy, Florida
Forager	Pineland Plantation Newton, Georgia
GA WAHRC2, GA WAC3E, GA WAC3L	Coastal Plain Experiment Station Tifton, Georgia
Gurley's Grazer 2000, Gurley's Grazer 2000X, GI-85, GI-87, GI-87X, GI-88, GI-90	Gurley's, Inc. Selma, North Carolina
MGI 30-30, AFC 20-20X, AFC 20-20	Merchants Grain Inc. Selma, North Carolina

Vitagraze	The New Northrup King, Inc. Highland, Illinois
Underwood Exp 425, 428, and 845	H.J. Underwood Co., Inc. Clinton, North Carolina
Wintergrazer 70	Pennington Seed, Inc. Madison, Georgia
Wren's Abruzzi AL	Alabama Crop Improvement Assoc. Auburn, Alabama
Wren's Abruzzi	Georgia Seed Development Comm. Athens, Georgia

BARLEY

Anson	North Carolina Foundation Seed Producers, Inc. Raleigh, North Carolina
Barsoy	Department of Agronomy, University of Kentucky Lexington, Kentucky
Keowee	South Carolina Crop Impr. Assoc. Clemson, South Carolina
Sussex, Wysor	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Volbar	Department of Agronomy, University of Tennessee Knoxville, Tennessee

TRITICALE

Beagle 82, Sunland (formerly Merino 'S' J10)	Coastal Plain Experiment Station Tifton, Georgia
Council, Morrison, Thomas	Alabama A & M University Normal, Alabama
Florida 201	University of Florida Agric. Res. Ctr. Quincy, Florida
Jenkins, Stan I, Stan II, Victoria	Sunseeds Trical Research Salinas, California

