1989 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 1989 ALABAMA PERFORMANCE COMPARISON OF SMALL GRAIN VARIETIES

Donald L. Thurlow and W.C. Johnson[1]

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 yield 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 were planted during late October to early November, which was approximately one month later than the forage

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tests. However, due to lack of moisture, Headland, Fairhope, and Camden tests in 1988 were planted November 22 and 30 and December 7, respectively. These 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 topdressed with 60 pounds N per acre and allowed to joint and produce grain.

Forage only: The forage-only tests were planted around October 1 normally; 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 were all planted at normal times 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

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 continued to be clipped until no regrowth occurred in the spring.

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 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 the 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, in general, disease incidence and severity were higher at most locations than in recent years. Powdery mildew was severe on wheat in most tests during winter and early spring but often did not progress beyond the lower leaves and was negligible by time many of the final disease ratings were made. Leaf rust and Septoria blotch were severe on some wheat entries at many locations, as was crown rust on some oats, particularly in south Alabama. Stem rust also occurred on some wheats in south Alabama, but usually at very low levels. Incidence of barley yellow dwarf was usually high in oats and wheat in some central

insignificant disease, occurred sporadically in some barley and wheat entries that had been subjected to flooding in the test at the Tennessee Valley Substation.

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, resulting in many of the less hardy varieties of wheat and triticale to start heading in February; this resulted in cold damage at northern locations. There was not enough cold units at the southern locations to vernalize many of the wheat entries, resulting in low yields. Heavy rains in June caused harvest to be delayed from 2 to 4 weeks at many locations.

TABLE 1. CHARACTERISTICS OF SMALL GRAINS TESTED IN NORTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1989 AVERAGE			
	1989	2-YR.	3-YR.	1989	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
WHEAT 1/										
FLORIDA 302	39	57	50	4,322	4,145	3,913	1	31	4-21	52.4
PIONEER 2555	36	56	-	5,028	-	-	0	32	4-20	52.8
SALUDA	35	56	51	5,422	4,751	4,471	3	29	4-18	54.4
PIONEER 2548	35	-	-	-	-	-	0	29	4-23	49.5
COKER 9323	35	56	51	4,612	4,040	3,836	1	27	4-21	51.7
FFR 525	35	-	-	-	-	-	1	33	4-17	51.3
COKER 9766	35	54	46	4,105	3,925	-	1	30	4-23	52.3
PIONEER 2551	34	53	48	5,624	4,746	4,305	0	30	4-24	50.7
COKER 9877	33	49	-	4,589	-	-	0	31	4-25	51.2
PIONEER 2550	33	53	48	5,603	4,664	4,401	2	31	4-25	50.9
TERRAL 101	33	-	-	-	-	-	1	32	4-20	51.9
COKER 916	32	52	47	4,643	4,194	4,012	0	28	4-13	52.8
FILLMORE	31	50	43	5,242	4,391	4,127	1	35	5- 4	50.3
COKER 9733	31	-	-	4,681	-	-	2	34	4-19	51.9
COKER 983	30	49	45	4,742	4,099	3,904	2	28	4-20	54.5
BRADFORD	29	46	40	5,119	4,423	4,243	9	34	4-18	52.8
CALDWELL	29	47	44	5,265	4,615	4,352	3	32	4-22	50.6
TYLER	29	53	44	4,491	3,934	3,790	3	32	4-24	51.2
FL 7927-G29	28	48	-	-	-	-	1	31	4-18	51.6
TRAVELER	27	45	-	4,124	-	-	1	30	4-19	49.4
MASSEY	27	50	46	5,481	4,915	4,565	1	32	4-21	53.3
COMPTON	26	46	42	5,058	4,409	4,212	1	32	4-21	54.1
MCNAIR 1003	26	47	43	5,189	4,472	4,280	1	29	4-20	51.0
WILLIAMS	25	51	44	5,696	4,757	-	2	31	4-21	52.1
HARTZ 2440	24	-	-	-	-	-	1	31	4-22	50.1
FLORIDA 303	24	46	-	3,936	-	-	2	28	4-18	51.4
TERRAL 102	24	-	-	-	-	-	0	34	4-20	51.5
STACY	24	44	39	5,116	4,498	4,160	3	33	4-18	53.2
COKER 9227	24	-	-	3,833	-	-	3	27	4-16	52.3
FLORIDA 301H	22	43	-	-	-	-	3	32	4-18	51.3
TEST MEAN	30	50	45	4,866	4,411	4,171	1	31	-	-
L.S.D. (.10)	9	11	9	739	664	636	-	-	-	-
C.V. (%)	22	16	15	11	11	11	-	-	-	-
OATS										
833	54	85	78	4,077	3,595	3,635	13	34	4-27	32.8
CITATION	51	89	78	3,982	3,511	3,510	13	33	4-21	33.4
COKER 716	49	85	72	4,636	4,063	3,821	19	36	4-25	24.4
FFR SF7630	45	-	-	4,660	-	-	21	37	4-22	34.8
SIMPSON	43	79	-	4,111	3,552	-	20	35	4-26	32.9
COKER 227	43	83	73	4,367	3,983	4,089	20	33	4-21	32.9
COKER 820	30	69	66	3,887	3,430	3,609	7	32	4-17	34.3
FLORIDA 502	27	65	55	2,685	2,803	2,603	3	27	4-21	35.3
FLORIDA 501	25	66	58	2,978	2,950	3,124	10	30	4-19	34.5
TEST MEAN	41	78	68	3,931	3,486	3,485	14	33	-	-
L.S.D. (.10)	10	14	13	422	452	775	-	-	-	-
C.V. (%)	19	14	14	8	10	16	-	-	-	-

CONTINUED

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

TABLE 1. CHARACTERISTICS OF SMALL GRAINS TESTED IN NORTHERN ALABAMA, 3-YEAR SUMMARY CONTINUED

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1989 AVERAGE			
	1989	2-YR.	3-YR.	1989	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
BARLEY 2/										
WYSOR	49	70	64	4,092	3,866	4,162	11	29	4-15	39.1
VOLBAR	31	54	56	2,594	3,123	3,464	11	32	4-21	38.8
BARSOY	31	54	48	3,419	3,666	3,536	8	30	4-12	41.4
KEOWEE	28	50	45	3,550	3,725	3,807	22	28	4-19	38.8
SUSSEX	28	55	51	3,950	3,833	4,137	8	28	4-12	39.5
BOONE	27	54	51	3,531	3,432	3,482	28	26	4-17	41.1
ANSON	24	56	53	3,961	3,698	3,785	7	30	4-21	39.9
TEST MEAN	31	56	53	3,585	3,620	3,767	13	29	-	-
L.S.D. (.10)	8	16	14	388	405	501	-	-	-	-
C.V. (%)	17	21	20	8	8	10	-	-	-	-
RYE 3/										
NF 73	-	-	-	3,048	2,830	3,401	-	-	-	-
BONEL	-	-	-	3,003	2,901	3,518	-	-	-	-
CAROLINA MAGIC	-	-	-	2,979	-	-	-	-	-	-
GI 88	-	-	-	2,934	2,652	-	-	-	-	-
GI 87X	-	-	-	2,915	2,732	3,176	-	-	-	-
WWG-1	-	-	-	2,900	2,750	-	-	-	-	-
MATON	-	-	-	2,880	3,091	3,597	-	-	-	-
WINTERGRAZER 70	-	-	-	2,844	2,866	3,397	-	-	-	-
AFC 20-40	-	-	-	2,830	-	-	-	-	-	-
AFC 20-30	-	-	-	2,787	-	-	-	-	-	-
WINTERGREEN	-	-	-	2,782	-	-	-	-	-	-
AFC 20-20	-	-	-	2,698	2,628	3,238	-	-	-	-
GA WAC2L	-	-	-	2,691	-	-	-	-	-	-
GI 90	-	-	-	2,688	-	-	-	-	-	-
ELBON	-	-	-	2,679	2,765	3,413	-	-	-	-
GI 85	-	-	-	2,678	2,589	3,109	-	-	-	-
NF 142	-	-	-	2,606	2,808	3,457	-	-	-	-
VAN DER HAVE VDH/O 018	-	-	-	2,596	2,697	-	-	-	-	-
GA WAHRC2	-	-	-	2,590	-	-	-	-	-	-
AFC 20-10	-	-	-	2,582	2,506	-	-	-	-	-
GI 87	-	-	-	2,581	-	-	-	-	-	-
AFC 20-20X	-	-	-	2,567	-	-	-	-	-	-
DOSSCO GRAZER II	-	-	-	2,560	2,616	-	-	-	-	-
WREN'S ABRUZZI	-	-	-	2,512	2,417	2,930	-	-	-	-
MGI 30-30	-	-	-	2,479	-	-	-	-	-	-
FORAGER	-	-	-	2,451	2,410	2,979	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	2,449	2,427	3,055	-	-	-	-
FLORIDA 402	-	-	-	2,294	2,273	-	-	-	-	-
N.K. VITAGRAZE	-	-	-	2,239	2,064	2,748	-	-	-	-
UNDERWOOD EXP 845	-	-	-	2,186	2,314	-	-	-	-	-
UNDERWOOD EXP 428	-	-	-	2,146	2,259	-	-	-	-	-
NEW N.K. EXP II	-	-	-	2,114	-	-	-	-	-	-
UNDERWOOD EXP 425	-	-	-	2,071	2,212	-	-	-	-	-
FL-SYN-T	-	-	-	2,042	2,065	2,683	-	-	-	-
TEST MEAN	-	-	-	2,600	2,560	3,193	-	-	-	-
L.S.D. (.10)	-	-	-	298	294	605	-	-	-	-
C.V. (%)	-	-	-	8	8	14	-	-	-	-

CONTINUED

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

TABLE 1. CHARACTERISTICS OF SMALL GRAINS TESTED IN NORTHERN ALABAMA, 3-YEAR SUMMARY CONTINUED

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1989 AVERAGE			
	1989	2-YR.	3-YR.	1989	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
TRITICALE 4/										
STAN I	29	50	-	6,511	5,435	-	3	44	4-29	44.7
MORRISON	26	48	42	5,984	5,213	4,425	2	43	4-21	41.3
THOMAS	26	47	-	6,155	5,564	4,868	2	38	4-20	47.7
STAN II	26	-	-	-	-	-	3	41	4-24	43.0
MERINO 'S'J10	24	-	-	-	-	-	2	32	4-14	43.3
FLORIDA 201	22	40	34	4,569	3,662	3,110	5	34	4-11	46.1
FLORICO	22	43	-	4,259	3,517	3,117	3	33	4-11	42.8
COUNCIL	20	35	-	6,244	5,501	3,717	3	40	4-28	41.3
BEAGLE 82	19	41	34	5,701	4,554	3,844	1	30	4-12	42.9
VICTORIA	17	-	-	-	-	-	3	35	4-19	42.8
JENKINS	-	-	-	6,236	5,724	5,080	7	47	5- 6	46.0
TEST MEAN	23	43	36	5,707	4,896	4,023	3	38	-	-
L.S.D. (.10)	7	8	12	694	638	589	-	-	-	-
C.V. (%)	23	14	24	8	9	11	-	-	-	-

4/ TRITICALE FORAGE YIELDS ARE FROM BELLE MINA.

TABLE 2. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989 TEST WT.		3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER 9877	56	56.4	-	6,408	-
FLORIDA 302	55	58.6	60	5,930	4,691
FFR 525	53	58.7	-	-	-
COKER 9323	51	56.7	59	6,646	4,755
PIONEER 2551	51	55.1	55	7,443	5,164
PIONEER 2555	50	57.4	-	6,583	-
PIONEER 2548	50	56.5	-	-	-
SALUDA	50	58.9	62	7,283	5,194
COKER 9766	47	57.4	58	5,528	-
FL 7927-G29	44	58.5	-	-	-
TERRAL 101	43	56.0	-	-	-
COKER 9733	42	58.6	-	6,556	-
BRADFORD	41	57.1	46	6,616	4,735
COKER 916	41	56.5	53	6,338	4,553
PIONEER 2550	41	55.0	48	7,127	4,883
CALDWELL	40	54.6	48	6,664	4,606
FILLMORE	39	55.1	45	7,148	4,920
COKER 9227	37	58.4	-	5,587	-
TERRAL 102	36	57.1	-	-	-
TYLER	36	54.5	49	5,982	4,319
COKER 983	36	58.1	51	6,542	4,671
COMPTON	36	58.0	46	6,580	4,578
MASSEY	35	57.2	52	7,628	5,273
FLORIDA 301H	34	57.1	-	-	-
WILLIAMS	34	57.0	54	7,987	-
MCNAIR 1003	34	55.3	49	7,233	4,864
TRAVELER	33	56.9	-	5,555	-
FLORIDA 303	31	56.7	-	5,660	-
STACY	30	56.7	44	6,926	4,901
HARTZ 2440	28	55.0	-	-	-
TEST MEAN	41	-	52	6,607	4,807
L.S.D. (.10)	13	-	11	952	665
C.V. (%)	23	-	15	11	10
OATS					
CITATION	31	33.2	80	6,385	-
FFR SF7630	28	36.8	-	7,697	-
833	26	34.7	64	6,774	-
COKER 227	24	35.5	70	6,713	-
COKER 716	21	37.9	65	7,393	-
COKER 820	20	37.4	67	6,938	-
SIMPSON	16	36.7	-	7,177	-
FLORIDA 501	14	39.5	60	5,147	-
FLORIDA 502	9	39.6	58	4,439	-
TEST MEAN	21	-	66	6,518	-
L.S.D. (.10)	11	-	12	383	-
C.V. (%)	35	-	13	4	-

CONTINUED

TABLE 2. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1989 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
WYSOR	28	41.4	64	5,970	4,650
SUSSEX	20	38.6	61	5,525	4,595
BARSOY	15	41.8	49	4,580	3,946
BOONE	11	42.4	60	4,598	3,864
KEOWEE	10	43.0	45	5,266	4,316
VOLBAR	9	42.6	45	3,321	3,575
ANSON	6	-	55	5,647	4,281
TEST MEAN	14	-	54	4,987	4,175
L.S.D. (.10)	-	-	13	431	409
C.V. (%)	-	-	17	6	7
TRITICALE					
MERINO 'S'J10	17	42.4	-	-	-
THOMAS	13	46.3	-	6,155	4,814
STAN II	12	46.1	-	-	-
MORRISON	11	40.4	33	5,984	4,381
BEAGLE 82	9	43.1	29	5,701	3,852
COUNCIL	7	42.0	-	6,244	3,693
FLORICO	6	44.0	-	4,259	3,118
VICTORIA	6	45.0	-	-	-
FLORIDA 201	6	45.5	25	4,569	3,075
STAN I	4	44.6	-	6,511	-
JENKINS	-	-	-	6,236	5,029
TEST MEAN	9	-	29	5,707	3,995
L.S.D. (.10)	9	-	18	694	619
C.V. (%)	65	-	44	8	11

TABLE 3. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989 TEST WT.		3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
PIONEER 2555	44	52.7	-	-	-
SALUDA	44	56.2	52	-	-
PIONEER 2550	42	49.8	49	-	-
FFR 525	42	50.5	-	-	-
COKER 9766	41	53.3	47	-	-
PIONEER 2551	41	50.0	48	-	-
TYLER	41	51.8	47	-	-
FLORIDA 302	40	52.1	51	-	-
COKER 916	40	53.6	47	-	-
COKER 9323	39	52.7	47	-	-
TERRAL 101	38	54.2	-	-	-
CALDWELL	38	50.0	45	-	-
COKER 983	37	55.3	47	-	-
PIONEER 2548	37	48.1	-	-	-
MASSEY	36	54.4	46	-	-
FILLMORE	36	48.6	44	-	-
COKER 9733	35	52.4	-	-	-
COKER 9877	35	52.7	-	-	-
HARTZ 2440	34	52.8	-	-	-
BRADFORD	32	53.5	44	-	-
COMPTON	32	55.3	42	-	-
STACY	31	54.8	42	-	-
MCNAIR 1003	31	51.0	41	-	-
TRAVELER	31	47.8	-	-	-
FLORIDA 303	31	50.0	-	-	-
FL 7927-G29	28	50.9	-	-	-
TERRAL 102	26	53.1	-	-	-
WILLIAMS	26	53.0	42	-	-
COKER 9227	24	54.3	-	-	-
FLORIDA 301H	22	51.9	-	-	-
TEST MEAN	35	-	46	-	-
L.S.D. (.10)	5	-	5	-	-
C.V. (%)	11	-	8	-	-
OATS					
CITATION	96	34.2	92	2,994	3,533
833	93	32.8	86	2,597	3,226
COKER 716	92	32.2	86	3,063	3,424
SIMPSON	88	31.6	-	2,648	-
COKER 227	73	32.1	81	2,853	3,596
FFR SF7630	72	33.4	-	3,071	-
FLORIDA 502	56	33.8	68	1,920	2,607
COKER 820	52	32.1	76	2,630	3,621
FLORIDA 501	44	32.3	67	2,343	2,984
TEST MEAN	74	-	79	2,680	3,285
L.S.D. (.10)	8	-	8	372	365
C.V. (%)	8	-	7	10	8

CONTINUED

TABLE 3. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1989
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
WYSOR	77	38.6	75	2,518	3,467
BARSOY	69	41.0	63	2,381	3,166
KEOWEE	68	37.9	59	2,228	3,235
VOLBAR	66	39.3	72	1,867	3,163
BOONE	65	44.0	66	2,573	2,988
ANSON	58	39.9	64	2,726	3,450
SUSSEX	54	40.4	63	2,759	3,592
TEST MEAN	65	-	66	2,436	3,294
L.S.D. (.10)	9	-	8	394	459
C.V. (%)	10	-	9	11	10
RYE					
NF 73	-	-	-	3,048	3,371
BONEL	-	-	-	3,003	3,593
CAROLINA MAGIC	-	-	-	2,979	-
GI 88	-	-	-	2,934	-
GI 87X	-	-	-	2,915	3,103
WWG-1	-	-	-	2,900	-
MATON	-	-	-	2,880	3,621
WINTERGRAZER 70	-	-	-	2,844	3,284
AFC 20-40	-	-	-	2,830	-
AFC 20-30	-	-	-	2,787	-
WINTERGREEN	-	-	-	2,782	-
AFC 20-20	-	-	-	2,698	3,112
GA WAC2L	-	-	-	2,691	-
GI 90	-	-	-	2,688	-
ELBON	-	-	-	2,679	3,380
GI 85	-	-	-	2,678	2,920
NF 142	-	-	-	2,606	3,426
VAN DER HAVE VDH/O 018	-	-	-	2,596	-
GA WAHRC2	-	-	-	2,590	-
AFC 20-10	-	-	-	2,582	-
GI 87	-	-	-	2,581	-
AFC 20-20X	-	-	-	2,567	-
DOSSCO GRAZER II	-	-	-	2,560	-
WREN'S ABRUZZI	-	-	-	2,512	2,778
MGI 30-30	-	-	-	2,479	-
FORAGER	-	-	-	2,451	2,963
GURLEY'S GRAZER 2000	-	-	-	2,449	2,933
FLORIDA 402	-	-	-	2,294	-
N.K. VITAGRAZE	-	-	-	2,239	2,641
UNDERWOOD EXP 845	-	-	-	2,186	-
UNDERWOOD EXP 428	-	-	-	2,146	-
NEW N.K. EXP II	-	-	-	2,114	-
UNDERWOOD EXP 425	-	-	-	2,071	-
FL-SYN-T	-	-	-	2,042	2,594
TEST MEAN	-	-	-	2,600	3,123
L.S.D. (.10)	-	-	-	298	404
C.V. (%)	-	-	-	8	10

CONTINUED

TABLE 3. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1989
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
TRITICALE					
STAN I	50	47.5	-	-	-
THOMAS	49	53.6	-	-	-
MORRISON	46	41.2	59	-	-
STAN II	44	46.4	-	-	-
FLORICO	39	44.5	-	-	-
COUNCIL	39	44.6	-	-	-
FLORIDA 201	35	43.8	47	-	-
VICTORIA	34	43.1	-	-	-
MERINO 'S'J10	33	44.7	-	-	-
BEAGLE 82	29	43.0	42	-	-
TEST MEAN	40	-	49	-	-
L.S.D. (.10)	6	-	8	-	-
C.V. (%)	11	-	12	-	-

TABLE 4. PERFORMANCE OF SMALL GRAINS AT WINFIELD, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
WHEAT							
FLORIDA 302	21	43.8	40	10	30	2,714	2,809
PIONEER 2548	19	43.8	-	-	-	-	-
FILLMORE	18	44.8	40	11	27	3,335	3,345
COKER 983	18	47.6	36	9	31	2,943	3,025
TRAVELER	17	43.6	-	-	-	2,694	-
TERRAL 101	17	45.6	-	-	-	-	-
COKER 916	16	45.4	40	14	34	2,948	3,268
COKER 9766	16	43.8	34	11	-	2,681	-
PIONEER 2550	15	45.0	45	18	34	4,078	3,910
COKER 9323	15	42.4	45	16	-	2,579	2,772
PIONEER 2555	15	43.6	-	14	-	3,474	-
BRADFORD	15	43.6	30	15	30	3,622	3,564
COKER 9733	15	44.6	-	-	-	2,807	-
WILLIAMS	14	41.4	36	10	-	3,404	-
FL 7927-G29	13	45.4	-	-	-	-	-
SALUDA	13	43.2	39	15	38	3,561	3,672
MCNAIR 1003	12	42.6	39	9	31	3,144	3,677
PIONEER 2551	11	43.2	39	11	34	3,805	3,470
FLORIDA 303	11	44.6	-	6	-	2,212	-
HARTZ 2440	11	42.6	-	-	-	-	-
COMPTON	11	44.4	39	13	31	3,537	3,911
STACY	10	45.8	32	12	-	3,305	3,306
COKER 9227	10	44.2	-	-	-	2,080	-
FFR 525	10	44.6	-	-	-	-	-
MASSEY	10	45.2	39	8	30	3,333	3,767
COKER 9877	10	44.6	-	-	-	2,769	-
TERRAL 102	10	44.4	-	-	-	-	-
CALDWELL	9	43.0	39	13	31	3,866	3,933
TYLER	9	44.4	35	9	32	3,000	3,057
FLORIDA 301H	8	44.8	-	-	-	-	-
TEST MEAN	13	-	38	12	32	3,126	3,432
L.S.D. (.10)	7	-	11	5	7	456	629
C.V. (%)	39	-	22	33	16	11	14

CONTINUED

TABLE 4. PERFORMANCE OF SMALL GRAINS AT WINFIELD, ALABAMA, 1989

CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
OATS							
833	43	31.0	85	-	-	2,860	3,039
FFR SF7630	35	34.2	-	-	-	3,212	-
COKER 716	32	3.2	64	-	-	3,452	2,924
COKER 227	32	31.0	71	-	-	3,536	3,650
CITATION	26	32.8	61	-	-	2,568	2,466
SIMPSON	26	30.4	-	-	-	2,507	-
COKER 820	20	33.4	55	-	-	2,092	2,518
FLORIDA 502	16	32.6	40	-	-	1,695	1,634
FLORIDA 501	15	31.6	45	-	-	1,443	2,614
TEST MEAN	27	-	60	-	-	2,596	2,692
L.S.D. (.10)	13	-	18	-	-	542	1,199
C.V. (%)	34	-	21	-	-	15	32
BARLEY							
WYSOR	42	37.2	54	-	-	3,787	-
VOLBAR	18	34.6	50	-	-	-	-
SUSSEX	10	-	30	-	-	3,565	-
ANSON	9	-	39	-	-	3,510	-
BARSOY	8	-	34	-	-	3,296	-
KEOWEE	7	35.6	31	-	-	3,158	-
BOONE	7	37.0	28	-	-	3,422	-
TEST MEAN	14	-	38	-	-	3,456	-
L.S.D. (.10)	6	-	19	-	-	407	-
C.V. (%)	29	-	37	-	-	8	-
TRITICALE							
STAN I	31	39.6	-	7	-	-	-
FLORIDA 201	26	49.0	29	-	-	-	-
MORRISON	23	40.2	34	16	30	-	-
MERINO 'S'J10	22	42.8	-	-	-	-	-
STAN II	22	36.6	-	-	-	-	-
BEAGLE 82	20	40.6	31	5	17	-	-
FLORICO	20	40.0	-	-	-	-	-
THOMAS	17	41.4	-	7	-	-	-
COUNCIL	16	37.4	-	-	-	-	-
VICTORIA	13	40.2	-	-	-	-	-
JENKINS	-	-	-	14	31	-	-
TEST MEAN	21	-	31	10	26	-	-
L.S.D. (.10)	9	-	9	2	6	-	-
C.V. (%)	30	-	21	12	18	-	-

TABLE 5. CHARACTERISTICS OF SMALL GRAINS TESTED IN CENTRAL ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1989 AVERAGE			
	1989	2-YR.	3-YR.	1989	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
WHEAT 1/										
PIONEER 2548	45	-	-	-	-	-	1	32	4- 5	50.9
PIONEER 2551	40	52	51	4,188	4,639	4,348	2	35	4-14	48.6
COKER 9766	40	49	49	3,724	3,806	-	18	34	4- 7	50.1
PIONEER 2555	38	54	-	4,022	-	-	11	38	4- 6	49.4
ADDER	37	45	44	3,728	3,704	3,474	0	32	4- 7	47.1
CALDWELL	36	46	46	4,378	4,622	4,192	10	37	4-17	52.3
WILLIAMS	35	50	49	4,463	4,834	-	4	37	4- 7	49.3
FLORIDA 302	35	51	52	3,635	4,085	3,808	33	36	4- 4	49.8
COMPTON	34	43	44	4,188	4,323	4,128	4	37	4-12	51.6
HARTZ 2440	34	-	-	-	-	-	1	35	4- 7	48.5
COKER 916	34	48	47	3,583	3,831	3,587	7	34	4- 3	48.5
SALUDA	34	50	52	4,503	4,711	4,542	15	34	4- 8	50.9
PIONEER 2550	33	45	46	4,788	4,942	4,666	15	36	4-19	47.8
MCNAIR 1003	33	47	47	4,234	4,180	4,074	5	33	4- 5	46.9
FFR 525	33	-	-	-	-	-	9	37	4- 5	50.6
TERRAL 101	33	-	-	-	-	-	5	35	4- 6	49.1
COKER 9323	32	46	47	3,223	3,651	3,442	11	29	4- 4	49.2
AUBURN	32	44	41	4,208	4,403	3,968	1	38	4-25	51.8
FILLMORE	31	46	42	4,042	4,121	3,745	4	41	4-25	49.8
COKER 983	29	46	45	3,613	3,790	3,535	11	30	4- 5	51.7
TYLER	29	45	41	3,801	4,129	3,816	26	40	4-16	50.5
FL 7927-G29	28	41	-	-	-	-	9	34	4- 8	49.8
COKER 9733	28	42	45	3,829	3,794	-	20	35	4- 8	52.4
STACY	27	40	41	4,442	4,644	4,405	21	38	4- 5	48.4
COKER 9877	27	38	-	-	-	-	22	32	4- 9	47.5
FLORIDA 303	26	38	-	3,320	-	-	22	33	4- 7	49.0
TRAVELER	25	40	-	-	-	-	7	31	4- 6	46.0
TERRAL 817	24	38	39	3,534	4,132	3,881	49	33	4- 4	50.1
TERRAL 812	24	40	42	3,091	3,405	3,217	26	30	4- 8	48.8
COKER 9227	22	-	-	-	-	-	27	30	4- 5	51.6
MASSEY	22	39	40	4,174	4,365	4,168	43	33	4- 6	47.3
FLORIDA 301	21	-	-	3,281	-	-	57	35	4-10	50.1
TERRAL 102	20	-	-	-	-	-	25	34	4- 8	45.6
FLORIDA 301H	19	30	-	-	-	-	38	33	4-11	47.9
TEST MEAN	31	44	45	3,916	4,196	3,944	16	34	-	-
L.S.D. (.10)	8	9	9	585	577	549	-	-	-	-
C.V. (%)	20	15	14	11	10	10	-	-	-	-

CONTINUED

1/ WHEAT FORAGE YIELDS ARE FROM PRATTVILLE, MARION JUNCTION, AND TALLASSEE.

TABLE 5. CHARACTERISTICS OF SMALL GRAINS TESTED IN CENTRAL ALABAMA, 3-YEAR SUMMARY CONTINUED

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1989 AVERAGE			
	1989	2-YR.	3-YR.	1989	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
RYE 2/										
AFC 20-10	-	-	-	4,790	4,494	-	-	-	-	-
GI 88	-	-	-	4,680	4,345	-	-	-	-	-
WINTERGRAZER 70	-	-	-	4,656	4,503	4,123	-	-	-	-
CAROLINA MAGIC	-	-	-	4,591	-	-	-	-	-	-
WWG-1	-	-	-	4,551	4,281	-	-	-	-	-
GI 85	-	-	-	4,507	4,276	3,932	-	-	-	-
GI 87	-	-	-	4,497	4,940	-	-	-	-	-
ELBON	-	-	-	4,492	4,199	3,960	-	-	-	-
WINTERGREEN	-	-	-	4,477	-	-	-	-	-	-
MATON	-	-	-	4,454	4,278	4,017	-	-	-	-
AFC 20-20	-	-	-	4,452	4,283	3,995	-	-	-	-
UNDERWOOD EXP 845	-	-	-	4,442	4,211	-	-	-	-	-
NF 73	-	-	-	4,382	4,271	4,005	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	4,379	4,215	4,015	-	-	-	-
GI 90	-	-	-	4,326	-	-	-	-	-	-
WREN'S ABRUZZI	-	-	-	4,297	4,084	3,932	-	-	-	-
N.K. VITAGRAZE	-	-	-	4,289	4,039	3,799	-	-	-	-
DOSSCO GRAZER II	-	-	-	4,282	4,147	-	-	-	-	-
BONEL	-	-	-	4,256	4,202	3,909	-	-	-	-
AFC 20-30	-	-	-	4,219	-	-	-	-	-	-
UNDERWOOD EXP 428	-	-	-	4,206	4,081	-	-	-	-	-
NF 142	-	-	-	4,202	4,160	3,930	-	-	-	-
FLORIDA 402	-	-	-	4,170	4,152	-	-	-	-	-
GA WAHRC2	-	-	-	4,128	-	-	-	-	-	-
GI 87X	-	-	-	4,086	4,123	3,925	-	-	-	-
GA WAC2L	-	-	-	4,052	-	-	-	-	-	-
UNDERWOOD EXP 425	-	-	-	3,982	3,883	-	-	-	-	-
FORAGER	-	-	-	3,975	3,962	3,806	-	-	-	-
FL-SYN-T	-	-	-	3,896	3,772	3,475	-	-	-	-
NEW N.K. EXP II	-	-	-	3,885	-	-	-	-	-	-
VAN DER HAVE VDH/O 018	-	-	-	3,689	3,885	-	-	-	-	-
FLORIDA 401	-	-	-	3,602	3,497	3,273	-	-	-	-
TEST MEAN	-	-	-	4,278	4,171	3,873	-	-	-	-
L.S.D. (.10)	-	-	-	660	625	602	-	-	-	-
C.V. (%)	-	-	-	11	11	12	-	-	-	-
TRITICALE 3/										
STAN II	39	-	-	3,693	-	-	3	46	4-18	43.0
MORRISON	38	44	42	3,332	3,006	2,961	9	51	4-10	39.5
THOMAS	32	43	-	3,044	2,868	2,915	7	47	4- 9	39.4
STAN I	28	43	-	2,964	2,995	-	26	49	4-23	38.7
COUNCIL	26	33	-	3,525	3,141	2,509	8	49	4-15	36.7
FLORICO	22	30	-	-	-	-	21	38	3-31	42.0
MERINO 'S'J10	22	-	-	2,019	-	-	26	36	4- 2	41.3
BEAGLE 82	21	34	35	1,918	1,878	2,151	23	36	4- 2	38.9
FLORIDA 201	21	30	30	2,024	1,889	2,256	28	37	4- 1	41.5
VICTORIA	16	-	-	2,486	-	-	14	39	4-12	38.2
JENKINS	-	-	-	3,041	2,568	2,571	-	-	-	-
TEST MEAN	27	37	36	2,805	2,621	2,561	16	43	-	-
L.S.D. (.10)	7	9	9	499	433	505	-	-	-	-
C.V. (%)	19	17	18	13	12	15	-	-	-	-

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

3/ TRITICALE FORAGE YIELDS ARE FROM CAMP HILL AND TALLASSEE.

TABLE 5. CHARACTERISTICS OF SMALL GRAINS TESTED IN CENTRAL ALABAMA, 3-YEAR SUMMARY
CONTINUED

BRAND-VARIETY	AVERAGE YIELD/ACRE GRAIN ONLY			AVERAGE YIELD/ACRE FORAGE ONLY			1989 AVERAGE			
	1989	2-YR.	3-YR.	1989	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
OATS										
833	58	71	77	4,851	4,577	4,464	28	44	4-18	32.1
COKER 227	54	61	67	5,155	4,652	4,464	31	43	4-15	32.0
CITATION	54	69	74	4,620	4,341	4,383	41	41	4-16	32.8
FFR SF7630	49	-	-	5,052	-	-	35	47	4-12	33.0
SIMPSON	46	70	-	4,826	4,614	-	43	45	4-19	31.9
COKER 716	46	72	69	5,160	4,757	4,473	38	45	4-17	31.8
COKER 820	44	51	62	4,452	4,277	4,306	59	40	4-12	31.8
FLORIDA 501	38	50	56	3,453	3,379	3,495	49	40	4-13	31.5
FLORIDA 502	38	53	64	3,396	3,436	3,462	26	42	4-12	33.2
TEST MEAN	47	62	67	4,552	4,254	4,149	39	43	-	-
L.S.D. (.10)	13	13	14	664	578	547	-	-	-	-
C.V. (%)	20	15	15	11	10	10	-	-	-	-
BARLEY										
VOLBAR	41	49	49	-	-	-	9	40	4- 9	36.8
BARSOY	37	43	43	-	-	-	22	31	3-28	36.9
WYSOR	36	45	51	-	-	-	22	34	4- 8	38.0
BOONE	33	43	48	-	-	-	10	33	4-10	39.1
KEOWEE	29	39	44	-	-	-	14	35	4-10	35.2
SUSSEX	25	-	-	-	-	-	33	33	4- 6	36.6
TEST MEAN	34	44	47	-	-	-	18	34	-	-
L.S.D. (.10)	11	12	12	-	-	-	-	-	-	-
C.V. (%)	24	20	18	-	-	-	-	-	-	-

CONTINUED

TABLE 6. PERFORMANCE OF SMALL GRAINS AT MARION JUNCTION, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989 TEST WT.		3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
PIONEER 2548	42	51.8	-	-	-
PIONEER 2551	41	50.8	62	5,322	5,156
PIONEER 2555	38	50.6	-	4,805	-
FFR 525	34	52.7	-	-	-
ADDER	33	48.8	50	4,986	3,920
COKER 9766	33	50.6	56	4,092	-
CALDWELL	32	54.1	51	6,372	5,100
TERRAL 101	32	48.3	-	-	-
COMPTON	31	54.8	55	5,444	4,820
HARTZ 2440	31	48.3	-	-	-
COKER 9323	29	51.0	55	4,343	3,932
SALUDA	29	54.2	58	5,350	4,997
FLORIDA 302	28	51.2	55	4,780	4,025
WILLIAMS	28	51.5	56	4,985	-
TYLER	28	53.6	46	5,523	4,397
STACY	26	53.1	49	5,332	4,995
MCNAIR 1003	25	45.6	56	5,054	4,440
PIONEER 2550	25	52.6	52	5,881	5,383
COKER 916	24	50.8	52	4,697	3,877
COKER 9877	23	51.6	-	-	-
TERRAL 817	23	53.8	45	4,563	4,168
FILLMORE	23	53.8	48	5,150	4,140
FL 7927-G29	21	50.8	-	-	-
AUBURN	19	55.9	46	5,956	4,802
TERRAL 102	18	51.1	-	-	-
TRAVELER	18	46.0	-	-	-
COKER 9733	17	53.2	49	4,956	-
FLORIDA 301H	17	48.8	-	-	-
MASSEY	17	50.5	46	4,525	4,456
COKER 983	15	54.0	44	5,121	3,779
TERRAL 812	15	51.4	46	4,155	3,352
FLORIDA 301	15	51.9	-	4,516	-
FLORIDA 303	14	47.3	-	4,204	-
COKER 9227	8	52.2	-	-	-
TEST MEAN	25	-	51	5,005	4,430
L.S.D. (.10)	5	-	5	631	519
C.V. (%)	16	-	8	9	9
OATS					
CITATION	70	32.8	102	5,325	5,156
COKER 227	68	31.4	90	5,868	5,167
COKER 716	65	29.5	96	6,031	5,467
FFR SF7630	63	33.3	-	6,173	-
COKER 820	61	32.3	78	5,101	4,893
833	60	32.8	97	5,560	5,320
SIMPSON	54	32.0	-	5,922	-
FLORIDA 501	51	30.5	75	4,123	4,211
FLORIDA 502	36	30.1	83	4,264	4,324
TEST MEAN	59	-	89	5,374	4,934
L.S.D. (.10)	7	-	15	592	450
C.V. (%)	9	-	12	8	7

CONTINUED

TABLE 6. PERFORMANCE OF SMALL GRAINS AT MARION JUNCTION, ALABAMA, 1989 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
WYSOR	47	38.3	68	-	-
BARSOY	46	38.1	56	-	-
KEOWEE	34	32.8	53	-	-
VOLBAR	32	36.8	52	-	-
SUSSEX	28	35.2	-	-	-
BOONE	22	38.7	56	-	-
TEST MEAN	35	-	57	-	-
L.S.D. (.10)	12	-	15	-	-
C.V. (%)	23	-	18	-	-
RYE					
GI 87X	-	-	-	5,254	-
AFC 20-20	-	-	-	5,194	4,031
WREN'S ABRUZZI	-	-	-	5,156	4,187
MATON	-	-	-	5,075	4,280
BONEL	-	-	-	5,029	-
GURLEY'S GRAZER 2000	-	-	-	4,937	-
WINTERGRAZER 70	-	-	-	4,809	4,167
TEST MEAN	-	-	-	5,065	4,166
L.S.D. (.10)	-	-	-	673	496
C.V. (%)	-	-	-	9	9
TRITICALE					
STAN II	28	49.5	-	-	-
MORRISON	27	47.2	42	-	-
COUNCIL	25	41.4	-	-	-
THOMAS	21	45.5	-	-	-
STAN I	21	44.8	-	-	-
VICTORIA	13	43.0	-	-	-
FLORIDA 201	12	43.2	31	-	-
FLORICO	11	45.4	-	-	-
BEAGLE 82	9	40.6	33	-	-
MERINO 'S'J10	9	44.6	-	-	-
TEST MEAN	18	-	35	-	-
L.S.D. (.10)	5	-	7	-	-
C.V. (%)	19	-	15	-	-

TABLE 7. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER 9766	51	54.3	53	4,781	-
PIONEER 2548	47	55.2	-	-	-
COKER 916	43	52.0	51	4,078	3,878
WILLIAMS	41	52.7	57	5,641	-
AUBURN	40	56.0	42	4,809	4,146
ADDER	40	49.6	43	4,525	3,744
CALDWELL	40	56.1	48	4,737	4,040
FLORIDA 302	38	50.8	55	4,499	4,237
PIONEER 2550	38	49.7	48	5,148	4,656
COMPTON	37	53.8	44	5,023	4,468
MCNAIR 1003	37	52.7	51	5,332	4,484
PIONEER 2555	36	54.1	-	5,020	-
PIONEER 2551	36	55.8	50	5,087	4,537
FILLMORE	35	53.7	40	4,631	4,061
COKER 9323	34	53.0	49	3,986	3,753
HARTZ 2440	34	52.3	-	-	-
FLORIDA 303	33	54.1	-	4,406	-
COKER 9733	32	54.5	42	4,653	-
COKER 983	32	51.9	50	4,223	4,014
FFR 525	30	55.0	-	-	-
FL 7927-G29	30	53.9	-	-	-
STACY	29	51.2	41	5,252	4,716
SALUDA	29	53.4	52	5,188	4,695
TERRAL 101	28	50.9	-	-	-
COKER 9227	26	56.3	-	-	-
TERRAL 812	26	51.8	46	3,930	3,965
MASSEY	25	51.6	45	4,990	4,524
TERRAL 817	25	53.3	39	4,451	4,224
TRAVELER	23	51.7	-	-	-
FLORIDA 301	23	53.3	-	3,958	-
COKER 9877	20	52.1	-	-	-
TYLER	19	51.7	40	4,086	3,724
FLORIDA 301H	19	54.2	-	-	-
TERRAL 102	12	51.0	-	-	-
TEST MEAN	32	-	47	4,685	4,215
L.S.D. (.10)	12	-	11	397	461
C.V. (%)	28	-	17	6	8
OATS					
COKER 227	74	34.9	78	5,782	5,156
FLORIDA 502	61	35.4	72	4,110	4,272
FFR SF7630	59	34.8	-	5,958	-
833	46	33.6	74	5,811	5,182
SIMPSON	45	34.1	-	5,978	-
COKER 820	43	30.8	65	5,341	5,111
CITATION	43	34.4	72	5,169	4,911
FLORIDA 501	42	35.2	62	4,292	4,424
COKER 716	41	34.4	77	5,651	5,441
TEST MEAN	50	-	72	5,344	4,928
L.S.D. (.10)	21	-	17	471	481
C.V. (%)	30	-	18	6	7

CONTINUED

TABLE 7. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1989 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989 TEST WT.		3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
BOONE	47	37.8	55	-	-
BARSOY	41	37.3	48	-	-
WYSOR	40	50.6	50	-	-
KEOWEE	30	36.7	49	-	-
VOLBAR	29	37.7	48	-	-
SUSSEX	22	37.3	-	-	-
TEST MEAN	35	-	50	-	-
L.S.D. (.10)	19	-	13	-	-
C.V. (%)	37	-	18	-	-
RYE					
NF 73	-	-	-	5,545	5,003
GI 85	-	-	-	5,411	4,724
GI 88	-	-	-	5,390	-
ELBON	-	-	-	5,359	4,846
WINTERGRAZER 70	-	-	-	5,350	4,916
GI 87	-	-	-	5,340	-
AFC 20-10	-	-	-	5,293	-
DOSSCO GRAZER II	-	-	-	5,292	-
GI 90	-	-	-	5,241	-
MATON	-	-	-	5,212	4,861
NF 142	-	-	-	5,187	4,814
UNDERWOOD EXP 845	-	-	-	5,181	-
WINTERGREEN	-	-	-	5,155	-
AFC 20-20	-	-	-	5,150	4,726
WREN'S ABRUZZI	-	-	-	5,146	4,680
FORAGER	-	-	-	5,137	4,632
N.K. VITAGRAZE	-	-	-	5,114	4,621
AFC 20-30	-	-	-	5,110	-
GA WAHRC2	-	-	-	5,102	-
FLORIDA 402	-	-	-	5,100	-
BONEL	-	-	-	5,097	4,676
CAROLINA MAGIC	-	-	-	5,071	-
GI 87X	-	-	-	5,042	4,859
GURLEY'S GRAZER 2000	-	-	-	5,022	4,813
WWG-1	-	-	-	5,013	-
GA WAC2L	-	-	-	4,970	-
FL-SYN-T	-	-	-	4,952	4,435
UNDERWOOD EXP 428	-	-	-	4,912	-
UNDERWOOD EXP 425	-	-	-	4,864	-
FLORIDA 401	-	-	-	4,718	4,155
NEW N.K. EXP II	-	-	-	4,701	-
VAN DER HAVE VDH/O 018	-	-	-	4,568	-
TEST MEAN	-	-	-	5,117	4,717
L.S.D. (.10)	-	-	-	430	445
C.V. (%)	-	-	-	6	7

CONTINUED

TABLE 7. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1989 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
TRITICALE					
STAN II	40	46.6	-	-	-
MORRISON	38	42.5	46	-	-
THOMAS	32	42.9	-	-	-
BEAGLE 82	23	41.2	40	-	-
FLORICO	21	42.6	-	-	-
STAN I	21	42.3	-	-	-
MERINO 'S'J10	17	43.7	-	-	-
COUNCIL	17	40.8	-	-	-
FLORIDA 201	17	45.3	39	-	-
VICTORIA	16	42.2	-	-	-
TEST MEAN	24	-	42	-	-
L.S.D. (.10)	8	-	11	-	-
C.V. (%)	24	-	19	-	-

TABLE 8. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989 TEST WT.		3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
PIONEER 2548	43	47.0	-	-	-
PIONEER 2551	36	46.4	50	2,155	3,452
COKER 9766	35	46.2	45	2,299	-
PIONEER 2555	35	45.4	-	2,241	-
COKER 983	34	48.2	48	1,494	2,759
COKER 916	34	40.6	50	1,974	3,156
COKER 9733	34	50.0	54	1,878	-
ADDER	33	43.6	46	1,672	2,762
FLORIDA 302	33	45.0	54	1,627	3,245
TERRAL 101	33	48.0	-	-	-
WILLIAMS	33	43.2	46	2,762	-
MCNAIR 1003	32	40.1	44	2,317	3,401
COKER 9323	31	41.6	44	1,340	2,616
CALDWELL	29	48.2	43	2,026	3,586
COMPTON	29	44.8	37	2,097	3,350
FLORIDA 303	29	43.4	-	1,350	-
FFR 525	28	46.8	-	-	-
AUBURN	28	40.9	39	1,857	3,107
FILLMORE	27	41.0	39	2,345	3,099
FL 7927-G29	27	42.4	-	-	-
HARTZ 2440	25	40.4	-	-	-
COKER 9227	25	46.0	-	-	-
STACY	24	42.0	41	2,744	3,740
FLORIDA 301	24	45.2	-	1,368	-
COKER 9877	24	41.6	-	-	-
TRAVELER	24	37.6	-	-	-
TERRAL 817	21	44.0	37	1,588	3,110
SALUDA	21	45.4	46	2,970	4,155
TERRAL 812	18	41.7	38	1,186	2,298
TYLER	18	44.6	35	1,793	3,379
PIONEER 2550	18	37.6	36	3,336	4,276
FLORIDA 301H	17	37.0	-	-	-
MASSEY	17	41.0	34	3,007	3,732
TERRAL 102	14	32.2	-	-	-
TEST MEAN	27	-	43	2,059	3,290
L.S.D. (.10)	7	-	9	706	679
C.V. (%)	18	-	16	25	15
OATS					
CITATION	58	30.9	71	3,198	4,374
833	55	29.8	71	3,130	4,092
COKER 227	46	28.4	63	3,349	4,028
COKER 820	44	31.0	75	2,503	3,955
FFR SF7630	39	31.5	-	2,655	-
FLORIDA 501	35	28.4	58	2,648	3,109
FLORIDA 502	29	34.0	68	2,246	2,878
COKER 716	29	30.7	53	3,312	3,899
SIMPSON	27	29.0	-	2,217	-
TEST MEAN	40	-	65	2,806	3,762
L.S.D. (.10)	12	-	13	774	684
C.V. (%)	20	-	14	19	13

CONTINUED

TABLE 8. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1989
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
VOLBAR	73	35.8	52	-	-
BOONE	55	40.7	52	-	-
BARSOY	54	39.0	51	-	-
WYSOR	53	26.2	53	-	-
KEOWEE	46	40.2	48	-	-
SUSSEX	40	37.0	-	-	-
TEST MEAN	54	-	51	-	-
L.S.D. (.10)	8	-	12	-	-
C.V. (%)	10	-	17	-	-
RYE					
CAROLINA MAGIC	-	-	-	4,553	-
WWG-1	-	-	-	4,433	-
WINTERGREEN	-	-	-	4,398	-
AFC 20-10	-	-	-	4,397	-
WINTERGRAZER 70	-	-	-	4,397	4,492
GI 87	-	-	-	4,266	-
GI 88	-	-	-	4,217	-
GI 85	-	-	-	4,193	4,445
MATON	-	-	-	4,182	4,555
UNDERWOOD EXP 845	-	-	-	4,181	-
ELBON	-	-	-	4,150	4,293
GURLEY'S GRAZER 2000	-	-	-	4,055	4,510
UNDERWOOD EXP 428	-	-	-	3,993	-
N.K. VITAGRAZE	-	-	-	3,922	4,063
AFC 20-20	-	-	-	3,921	4,404
WREN'S ABRUZZI	-	-	-	3,880	4,210
GI 90	-	-	-	3,822	-
FLORIDA 402	-	-	-	3,788	-
BONEL	-	-	-	3,722	4,490
DOSSCO GRAZER II	-	-	-	3,618	-
AFC 20-30	-	-	-	3,585	-
NF 73	-	-	-	3,498	4,254
UNDERWOOD EXP 425	-	-	-	3,455	-
GA WAC2L	-	-	-	3,401	-
GA WAHRC2	-	-	-	3,396	-
GI 87X	-	-	-	3,354	4,260
FORAGER	-	-	-	3,298	4,183
NF 142	-	-	-	3,232	4,255
FL-SYN-T	-	-	-	3,182	3,360
NEW N.K. EXP II	-	-	-	3,050	-
FLORIDA 401	-	-	-	3,032	3,195
VAN DER HAVE VDH/O 018	-	-	-	2,992	-
TEST MEAN	-	-	-	3,799	4,198
L.S.D. (.10)	-	-	-	863	730
C.V. (%)	-	-	-	17	13

CONTINUED

TABLE 8. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1989 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
TRITICALE					
MORRISON	34	31.2	42	2,538	2,913
FLORICO	32	43.0	-	-	-
MERINO 'S'J10	32	34.2	-	2,172	-
THOMAS	32	32.0	-	2,011	2,965
STAN II	31	35.6	-	3,203	-
FLORIDA 201	30	41.4	30	1,933	2,145
STAN I	29	31.2	-	2,159	-
COUNCIL	28	28.8	-	2,651	2,291
BEAGLE 82	26	37.2	39	1,900	2,023
VICTORIA	11	30.0	-	2,122	-
JENKINS	-	-	-	2,166	2,582
TEST MEAN	28	-	37	2,286	2,486
L.S.D. (.10)	7	-	9	467	429
C.V. (%)	17	-	17	14	13

TABLE 9. PERFORMANCE OF SMALL GRAINS AT CAMP HILL, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
SALUDA	56	50.7	51	-	-
PIONEER 2550	54	51.5	46	-	-
PIONEER 2551	50	41.6	42	-	-
TYLER	49	52.1	44	-	-
PIONEER 2548	48	49.6	-	-	-
HARTZ 2440	46	52.9	-	-	-
PIONEER 2555	45	47.5	-	-	-
CALDWELL	42	50.9	41	-	-
COKER 9766	42	49.4	40	-	-
ADDER	41	46.4	36	-	-
FLORIDA 302	40	52.3	45	-	-
FFR 525	40	48.1	-	-	-
FILLMORE	40	50.8	39	-	-
AUBURN	40	54.3	38	-	-
COMPTON	40	53.1	39	-	-
COKER 9877	40	44.7	-	-	-
WILLIAMS	39	49.7	39	-	-
MCNAIR 1003	38	49.3	40	-	-
TERRAL 101	38	49.4	-	-	-
COKER 9323	36	51.3	40	-	-
COKER 983	36	52.9	37	-	-
TERRAL 812	36	50.2	37	-	-
FL 7927-G29	36	52.3	-	-	-
TERRAL 102	35	48.0	-	-	-
COKER 916	34	50.7	34	-	-
TRAVELER	33	48.9	-	-	-
STACY	30	47.2	34	-	-
COKER 9733	30	52.1	35	-	-
MASSEY	29	46.1	35	-	-
FLORIDA 303	28	51.3	-	-	-
COKER 9227	28	52.0	-	-	-
TERRAL 817	28	49.3	34	-	-
FLORIDA 301H	22	51.5	-	-	-
FLORIDA 301	20	-	-	-	-
TEST MEAN	38	-	39	-	-
L.S.D. (.10)	8	-	9	-	-
C.V. (%)	15	-	16	-	-
OATS					
833	71	32.4	65	4,905	3,263
SIMPSON	57	32.6	-	5,186	-
COKER 716	48	32.8	51	5,647	3,085
CITATION	43	33.3	51	4,787	3,091
FFR SF7630	36	32.4	-	5,420	-
COKER 227	28	33.3	35	5,621	3,503
COKER 820	26	33.1	31	4,865	3,263
FLORIDA 502	26	33.3	31	2,964	2,374
FLORIDA 501	25	31.9	31	2,749	2,235
TEST MEAN	40	-	42	4,682	2,973
L.S.D. (.10)	10	-	9	872	577
C.V. (%)	18	-	16	13	14

CONTINUED

TABLE 9. PERFORMANCE OF SMALL GRAINS AT CAMP HILL, ALABAMA, 1989
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
VOLBAR	31	36.8	44	-	-
SUSSEX	9	37.0	-	-	-
BOONE	9	39.2	27	-	-
KEOWEE	7	31.1	25	-	-
BARSOY	5	33.2	18	-	-
WYSOR	5	36.8	32	-	-
TEST MEAN	11	-	29	-	-
L.S.D. (.10)	4	-	7	-	-
C.V. (%)	23	-	18	-	-
RYE					
AFC 20-10	-	-	-	4,680	-
GI 88	-	-	-	4,433	-
AFC 20-20	-	-	-	4,286	3,067
WINTERGRAZER 70	-	-	-	4,220	2,966
WWG-1	-	-	-	4,208	-
NF 142	-	-	-	4,186	2,709
CAROLINA MAGIC	-	-	-	4,150	-
NF 73	-	-	-	4,102	2,818
GURLEY'S GRAZER 2000	-	-	-	4,059	2,930
MATON	-	-	-	3,968	2,578
ELBON	-	-	-	3,966	2,747
UNDERWOOD EXP 845	-	-	-	3,964	-
AFC 20-30	-	-	-	3,961	-
BONEL	-	-	-	3,949	2,557
DOSSCO GRAZER II	-	-	-	3,934	-
GI 85	-	-	-	3,917	2,818
GI 90	-	-	-	3,915	-
NEW N.K. EXP II	-	-	-	3,903	-
GA WAHRC2	-	-	-	3,887	-
GI 87	-	-	-	3,885	-
WINTERGREEN	-	-	-	3,877	-
WREN'S ABRUZZI	-	-	-	3,865	2,940
GI 87X	-	-	-	3,861	2,877
N.K. VITAGRAZE	-	-	-	3,830	2,874
GA WAC2L	-	-	-	3,786	-
UNDERWOOD EXP 428	-	-	-	3,714	-
UNDERWOOD EXP 425	-	-	-	3,628	-
FLORIDA 402	-	-	-	3,621	-
FL-SYN-T	-	-	-	3,554	2,704
VAN DER HAVE VDH/O 018	-	-	-	3,508	-
FORAGER	-	-	-	3,492	2,888
FLORIDA 401	-	-	-	3,058	2,481
TEST MEAN	-	-	-	3,918	2,797
L.S.D. (.10)	-	-	-	644	643
C.V. (%)	-	-	-	12	17
TRITICALE					
STAN II	57	40.4	-	4,182	-
MORRISON	52	37.1	39	4,126	2,598
THOMAS	44	37.3	-	4,078	2,582
STAN I	39	36.6	-	3,768	-
COUNCIL	35	35.8	-	4,399	-
MERINO 'S'J10	29	42.7	-	1,866	-
BEAGLE 82	27	36.7	27	1,937	1,999
VICTORIA	25	37.8	-	2,850	-
FLORIDA 201	24	36.3	20	2,115	2,096
FLORICO	24	37.1	-	-	-
JENKINS	-	-	-	3,916	2,487
TEST MEAN	36	-	29	3,324	2,352
L.S.D. (.10)	8	-	8	554	454
C.V. (%)	15	-	20	12	14

TABLE 10. 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			1989 AVERAGE LODGING	HEIGHT	1/10 HEADED	TEST WT.
	1989 BU.	2-YR. BU.	3-YR. BU.	1989 BU.	2-YR. BU.	3-YR. BU.	1989 LB.	2-YR. LB.	3-YR. LB.	PCT.	IN.	DATE	LB./BU.
WHEAT 1/													
COKER 9766	32	42	41	11	16	-	4,042	4,475	-	11	32	4- 3	50.3
ADDER	21	29	29	12	17	21	4,115	4,391	4,224	13	30	4-10	47.9
PIONEER 2551	20	31	31	14	12	19	4,353	4,828	4,540	11	32	4-15	48.5
WILLIAMS	20	33	33	11	-	-	4,607	5,265	-	1	34	4-12	48.9
COKER 9733	19	30	29	5	18	-	-	-	-	31	35	3-29	51.8
FL 7927-629	19	26	-	-	-	-	-	-	-	24	31	3-28	46.3
MCNAIR 1003	18	31	34	11	20	23	4,359	4,754	4,683	8	31	4- 1	44.9
FLORIDA 302	17	33	35	11	23	26	2,803	3,740	3,709	31	32	4- 2	48.0
PIONEER 2555	17	35	-	12	-	-	4,705	-	-	2	34	4-10	46.3
PIONEER 2548	17	-	-	-	-	-	-	-	-	8	29	4-15	48.5
FLORIDA 303	17	28	-	-	-	-	2,588	-	-	35	29	3-25	48.1
AUBURN	17	27	26	-	-	-	3,842	3,999	3,975	6	33	4-23	48.8
TRAVELER	16	31	-	6	-	-	3,221	-	-	19	29	4- 1	44.9
FLORIDA 301H	16	20	-	-	-	-	-	-	-	23	32	4- 1	49.1
FFR 525	15	-	-	-	-	-	-	-	-	46	33	4- 9	51.1
STACY	14	28	28	10	15	19	4,520	5,076	4,871	25	35	4-10	50.1
COKER 9323	14	-	-	5	16	21	2,443	3,549	3,483	22	28	3-31	47.7
COKER 9227	14	26	28	6	18	24	2,491	3,516	3,432	27	29	4- 1	50.7
FLORIDA 301	13	21	21	-	-	-	2,833	3,604	3,548	34	32	3-31	45.8
MASSEY	13	28	28	9	18	21	4,136	4,646	4,479	39	32	3-30	46.6
FILLMORE	13	24	24	-	-	-	3,110	3,721	3,762	22	34	4-26	48.4
TERRAL 101	13	-	-	-	-	-	-	-	-	10	31	4- 9	47.7
COKER 9877	13	30	-	6	-	-	2,648	-	-	32	30	4- 5	49.5
COKER 983	12	31	31	9	21	24	2,225	3,346	3,312	13	28	4-10	48.6
CALDWELL	12	22	23	10	9	16	3,629	3,981	4,012	29	30	4-25	49.8
COMPTON	11	25	26	9	10	17	3,454	4,242	4,314	1	29	4-16	50.5
HARTZ 2440	11	-	-	-	-	-	-	-	-	9	30	4-14	44.2
TERRAL 812	10	28	28	9	16	20	2,287	3,366	3,250	30	30	4- 5	47.5
HUNTER	10	-	-	-	-	-	-	-	-	43	26	3-27	47.1
COKER 916	9	24	26	8	18	22	2,124	3,504	3,484	34	31	4-10	46.3
SALUDA	8	24	28	9	6	13	3,552	4,669	4,729	26	30	4-16	46.7
TERRAL 102	6	-	-	-	-	-	-	-	-	41	31	4- 9	46.2
PIONEER 2550	5	-	-	12	-	-	3,631	-	-	26	28	4-22	43.2
TERRAL 817	-	-	-	8	19	23	-	-	-	-	-	4-10	-
TEST MEAN	15	28	29	9	16	21	3,405	4,141	3,989	22	31	-	-
L.S.D. (.10)	5	7	7	4	4	5	868	844	786	-	-	-	-
C.V. (%)	24	20	19	29	19	17	19	15	15	-	-	-	-
OATS													
CITATION	78	61	62	-	-	-	5,819	5,781	5,738	51	42	4- 3	31.5
833	73	55	56	-	-	-	5,353	5,306	5,255	34	42	4- 6	32.0
COKER 227	65	49	53	-	-	-	5,571	5,816	5,710	53	40	4- 2	31.2
FLORIDA 502	58	53	50	-	-	-	4,950	5,190	5,297	33	37	3-29	32.7
COKER 820	55	45	49	-	-	-	5,576	5,766	5,674	54	38	3-31	32.1
FLORIDA 501	43	41	44	-	-	-	4,575	4,822	4,774	70	38	3-31	30.0
FFR SF7630	33	-	-	-	-	-	5,125	-	-	69	43	4- 3	25.6
SIMPSON	27	37	-	-	-	-	4,688	5,221	-	62	41	4-10	24.3
COKER 716	26	-	-	-	-	-	4,971	5,214	5,186	65	40	4- 6	23.5
TEST MEAN	51	49	52	-	-	-	5,181	5,389	5,376	55	40	-	-
L.S.D. (.10)	13	14	14	-	-	-	711	762	801	-	-	-	-
C.V. (%)	19	21	20	-	-	-	10	10	11	-	-	-	-

CONTINUED

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

TABLE 10. 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			1989 AVERAGE			
	1989	2-YR.	3-YR.	1989	2-YR.	3-YR.	1989	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.
RYE 2/													
GA WAHRC2	-	-	-	-	-	-	5,646	-	-	-	-	-	-
GI 87X	-	-	-	-	-	-	5,637	5,345	5,338	-	-	-	-
NF 73	-	-	-	-	-	-	5,632	5,458	5,418	-	-	-	-
MATON	-	-	-	-	-	-	5,581	5,474	5,423	-	-	-	-
NF 142	-	-	-	-	-	-	5,559	5,393	5,313	-	-	-	-
WINTERGRAZER 70	-	-	-	-	-	-	5,519	5,449	5,357	-	-	-	-
AFC 20-20	-	-	-	-	-	-	5,402	5,144	5,184	-	-	-	-
GI 87	-	-	-	-	-	-	5,381	5,906	-	-	-	-	-
GA WAC2L	-	-	-	-	-	-	5,377	-	-	-	-	-	-
WREN'S ABRUZZI	-	-	-	-	-	-	5,376	5,296	5,185	-	-	-	-
GI 90	-	-	-	-	-	-	5,358	-	-	-	-	-	-
BONEL	-	-	-	-	-	-	5,346	5,211	5,223	-	-	-	-
DOSSCO GRAZER II	-	-	-	-	-	-	5,329	5,265	-	-	-	-	-
AFC 20-10	-	-	-	-	-	-	5,326	5,108	-	-	-	-	-
GI 85	-	-	-	-	-	-	5,293	5,238	5,236	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	-	-	-	5,280	5,047	5,062	-	-	-	-
ELBON	-	-	-	-	-	-	5,245	5,156	5,089	-	-	-	-
WWG-1	-	-	-	-	-	-	5,230	5,356	-	-	-	-	-
N.K. VITAGRAZE	-	-	-	-	-	-	5,221	5,257	5,139	-	-	-	-
AFC 20-40	-	-	-	-	-	-	5,217	-	-	-	-	-	-
MGI 30-30	-	-	-	-	-	-	5,206	-	-	-	-	-	-
FLORIDA 402	-	-	-	-	-	-	5,204	4,980	-	-	-	-	-
NEW N.K. EXP I	-	-	-	-	-	-	5,203	-	-	-	-	-	-
FORAGER	-	-	-	-	-	-	5,202	5,085	5,122	-	-	-	-
GI 88	-	-	-	-	-	-	5,102	5,000	-	-	-	-	-
UNDERWOOD EXP 425	-	-	-	-	-	-	5,014	4,906	-	-	-	-	-
UNDERWOOD EXP 845	-	-	-	-	-	-	4,916	4,916	-	-	-	-	-
FL-SYN-T	-	-	-	-	-	-	4,884	4,686	4,867	-	-	-	-
AFC 20-20X	-	-	-	-	-	-	4,860	-	-	-	-	-	-
UNDERWOOD EXP 428	-	-	-	-	-	-	4,677	4,659	-	-	-	-	-
FLORIDA 401	-	-	-	-	-	-	4,540	4,387	4,321	-	-	-	-
VAN DER HAVE VDH/O 018	-	-	-	-	-	-	4,465	4,282	-	-	-	-	-
TEST MEAN	-	-	-	-	-	-	5,226	5,120	5,152	-	-	-	-
L.S.D. (.10)	-	-	-	-	-	-	820	855	833	-	-	-	-
C.V. (%)	-	-	-	-	-	-	12	12	12	-	-	-	-
TRITICALE 3/													
STAN II	26	-	-	-	-	-	3,662	-	-	8	43	4-15	42.0
MORRISON	25	36	33	8	13	15	3,295	3,981	4,083	16	49	4-12	42.3
THOMAS	23	34	-	8	15	-	3,016	3,781	3,895	20	44	4-11	40.7
COUNCIL	21	29	25	5	7	6	2,947	3,834	2,816	13	46	4-12	38.9
MERINO 'S'J10	20	-	-	-	-	-	3,217	-	-	23	35	3- 9	42.6
BEAGLE 82	17	32	30	1	13	15	2,873	3,234	3,366	33	36	3-17	35.4
FLORIDA 201	14	30	29	2	16	17	2,218	2,691	2,929	39	37	3- 4	40.1
STAN I	14	28	-	-	-	-	2,374	3,434	-	39	43	4-21	39.9
VICTORIA	12	-	-	-	-	-	2,429	-	-	34	38	4- 1	39.3
FLORICO	10	29	-	-	-	-	2,284	2,823	3,133	8	39	3-31	41.2
JENKINS	5	14	12	1	3	5	1,198	2,447	3,030	50	51	4-26	35.3
TEST MEAN	17	29	26	4	11	12	2,683	3,278	3,322	26	42	-	-
L.S.D. (.10)	5	7	8	3	6	5	281	352	977	-	-	-	-
C.V. (%)	23	19	22	43	37	32	7	8	22	-	-	-	-

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

3/ TRITICALE FORAGE YIELDS ARE FROM FAIRHOPE ONLY.

TABLE 11. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
WHEAT							
PIONEER 2548	20	47.5	-	-	-	-	-
TRAVELER	18	44.3	-	6	-	2,834	-
FLORIDA 302	16	49.8	41	11	26	3,377	4,117
COKER 9766	16	50.0	40	11	-	2,836	-
FLORIDA 303	16	47.6	-	-	-	2,963	-
TERRAL 812	15	48.4	30	9	20	2,799	3,856
COKER 9323	15	52.4	-	5	21	2,874	4,028
COKER 9733	14	52.2	31	5	-	-	-
COKER 983	13	50.8	41	9	24	2,582	3,970
HUNTER	13	50.2	-	-	-	-	-
ADDER	13	46.0	31	12	21	3,048	3,862
COKER 9227	13	49.3	26	6	24	2,264	3,537
MASSEY	12	47.8	28	9	21	3,111	4,369
TERRAL 101	12	48.4	-	-	-	-	-
FLORIDA 301	12	49.7	21	-	-	2,727	3,569
PIONEER 2551	12	43.8	35	14	19	2,487	4,057
FL 7927-G29	12	45.4	-	-	-	-	-
TERRAL 102	11	47.0	-	-	-	-	-
MCNAIR 1003	11	40.6	32	11	23	2,722	4,163
COKER 916	11	48.6	30	8	22	3,186	4,143
STACY	11	50.5	32	10	19	3,367	4,353
WILLIAMS	11	46.8	33	11	-	3,240	-
FLORIDA 301H	10	47.9	-	-	-	-	-
FILLMORE	9	47.6	23	-	-	2,816	3,987
AUBURN	9	42.0	25	-	-	2,849	3,755
COKER 9877	9	48.4	-	6	-	3,129	-
PIONEER 2555	9	39.8	-	12	-	3,071	-
FFR 525	6	47.4	-	-	-	-	-
HARTZ 2440	6	39.0	-	-	-	-	-
COMPTON	5	47.6	32	9	17	2,828	4,133
SALUDA	3	-	29	9	13	3,391	4,837
PIONEER 2550	3	-	-	12	-	3,301	-
CALDWELL	2	-	26	10	16	3,368	4,182
TERRAL 817	-	-	-	8	23	-	-
TEST MEAN	11	-	31	9	21	2,965	4,054
L.S.D. (.10)	6	-	10	4	5	462	442
C.V. (%)	37	-	23	29	17	11	8

CONTINUED

TABLE 11. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1989

CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
OATS							
CITATION	59	31.3	59	-	-	5,097	5,037
833	48	32.0	46	-	-	4,432	5,155
COKER 227	39	30.2	45	-	-	4,808	5,304
FLORIDA 502	37	31.7	32	-	-	4,140	4,315
FLORIDA 501	35	31.4	31	-	-	4,020	4,253
COKER 820	30	30.9	39	-	-	4,866	5,061
FFR SF7630	25	23.0	-	-	-	4,642	-
SIMPSON	13	21.6	-	-	-	4,491	-
COKER 716	12	20.9	-	-	-	4,787	5,444
TEST MEAN	33	-	42	-	-	4,587	4,938
L.S.D. (.10)	14	-	13	-	-	624	566
C.V. (%)	29	-	23	-	-	10	8
RYE							
AFC 20-20	-	-	-	-	-	4,180	-
WINTERGRAZER 70	-	-	-	-	-	4,062	-
GI 87X	-	-	-	-	-	3,936	-
BONEL	-	-	-	-	-	3,936	-
MATON	-	-	-	-	-	3,891	-
WREN'S ABRUZZI	-	-	-	-	-	3,711	-
NF 73	-	-	-	-	-	3,699	-
TEST MEAN	-	-	-	-	-	3,916	-
L.S.D. (.10)	-	-	-	-	-	639	-
C.V. (%)	-	-	-	-	-	11	-
TRITICALE							
THOMAS	21	37.2	-	8	-	-	-
STAN II	20	37.0	-	-	-	-	-
MORRISON	17	38.8	36	8	16	-	-
VICTORIA	17	36.6	-	-	-	-	-
MERINO 'S'J10	16	42.3	-	-	-	-	-
BEAGLE 82	16	37.4	28	1	14	-	-
FLORIDA 201	16	40.2	27	2	17	-	-
COUNCIL	16	34.5	26	5	6	-	-
FLORICO	10	41.2	-	-	-	-	-
STAN I	7	32.8	-	-	-	-	-
JENKINS	4	-	18	1	5	-	-
TEST MEAN	15	-	27	4	12	-	-
L.S.D. (.10)	7	-	6	3	5	-	-
C.V. (%)	34	-	16	43	32	-	-

TABLE 12. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER 9766	40	51.0	47	4,537	-
WILLIAMS	35	50.2	43	5,065	-
PIONEER 2551	33	49.0	37	6,068	5,193
FFR 525	32	52.6	-	-	-
ADDER	32	48.3	36	4,426	4,071
PIONEER 2555	32	48.5	-	6,547	-
PIONEER 2548	31	50.7	-	-	-
STACY	25	48.4	37	6,001	5,099
AUBURN	23	50.4	32	4,789	3,988
TERRAL 101	22	45.5	-	-	-
COMPTON	22	53.5	33	5,076	4,920
CALDWELL	21	50.3	30	3,911	3,952
HARTZ 2440	19	43.6	-	-	-
FLORIDA 302	19	43.4	35	2,532	3,341
FILLMORE	17	47.4	28	3,569	3,508
COKER 9733	16	49.1	28	-	-
COKER 9877	16	45.4	-	2,235	-
SALUDA	15	46.5	36	5,232	5,458
MCNAIR 1003	15	-	38	4,846	4,517
COKER 983	14	45.0	38	1,822	2,903
COKER 916	13	43.4	34	1,834	3,327
COKER 9323	12	39.8	-	1,843	-
MASSEY	11	41.2	31	4,472	4,471
FL 7927-G29	11	40.6	-	-	-
COKER 9227	10	45.7	33	2,636	3,169
PIONEER 2550	9	42.0	-	4,891	-
HUNTER	9	43.5	-	-	-
TRAVELER	9	35.9	-	2,969	-
FLORIDA 303	7	41.3	-	2,890	-
TERRAL 812	5	39.0	33	1,640	2,527
FLORIDA 301H	4	-	-	-	-
FLORIDA 301	3	34.0	13	2,654	3,482
TERRAL 102	3	-	-	-	-
TEST MEAN	18	-	34	3,854	3,995
L.S.D. (.10)	4	-	8	973	836
C.V. (%)	17	-	17	18	15
OATS					
CITATION	85	29.6	63	6,039	5,403
833	83	30.4	55	5,823	4,671
COKER 227	83	30.9	58	6,324	5,502
FLORIDA 502	68	31.3	62	5,012	5,025
COKER 820	66	30.3	46	5,579	5,335
FLORIDA 501	38	24.8	40	3,617	4,064
FFR SF7630	22	21.2	-	5,559	-
SIMPSON	5	17.0	-	4,823	-
COKER 716	5	16.5	-	4,656	4,703
TEST MEAN	51	-	54	5,270	4,958
L.S.D. (.10)	13	-	16	792	1,062
C.V. (%)	17	-	21	11	16

CONTINUED

TABLE 12. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1989 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE 1989 BU.	TEST WT. LB./BU.	3-YR. AV. BU.	FORAGE ONLY YIELD/ACRE 1989 LB.	3-YR. AV. LB.
RYE					
NF 73	-	-	-	6,153	5,319
MATON	-	-	-	6,136	5,127
NF 142	-	-	-	6,041	5,133
GI 88	-	-	-	5,990	-
GI 87	-	-	-	5,894	-
GI 85	-	-	-	5,881	5,203
GI 87X	-	-	-	5,859	5,036
BONEL	-	-	-	5,843	4,951
AFC 20-20	-	-	-	5,790	4,945
WREN'S ABRUZZI	-	-	-	5,789	5,333
GURLEY'S GRAZER 2000	-	-	-	5,775	5,005
GA WAC2L	-	-	-	5,770	-
WINTERGRAZER 70	-	-	-	5,626	4,693
WWG-1	-	-	-	5,614	-
FLORIDA 402	-	-	-	5,591	-
ELBON	-	-	-	5,560	4,865
GI 90	-	-	-	5,550	-
AFC 20-10	-	-	-	5,540	-
AFC 20-40	-	-	-	5,476	-
DOSSCO GRAZER II	-	-	-	5,392	-
FORAGER	-	-	-	5,389	4,922
GA WAHRC2	-	-	-	5,374	-
NEW N.K. EXP I	-	-	-	5,356	-
MGI 30-30	-	-	-	5,344	-
N.K. VITAGRAZE	-	-	-	5,309	4,936
AFC 20-20X	-	-	-	5,274	-
UNDERWOOD EXP 425	-	-	-	5,166	-
UNDERWOOD EXP 845	-	-	-	5,120	-
UNDERWOOD EXP 428	-	-	-	4,928	-
VAN DER HAVE VDH/O 018	-	-	-	4,737	-
FL-SYN-T	-	-	-	4,687	4,213
FLORIDA 401	-	-	-	4,318	3,777
TEST MEAN	-	-	-	5,508	4,897
L.S.D. (.10)	-	-	-	852	868
C.V. (%)	-	-	-	11	13
TRITICALE					
MORRISON	38	43.7	34	-	-
THOMAS	33	40.4	-	-	-
STAN II	30	43.2	-	-	-
COUNCIL	26	38.6	-	-	-
STAN I	22	41.0	-	-	-
JENKINS	7	36.2	11	-	-
FLORIDA 201	5	35.0	28	-	-
VICTORIA	4	29.4	-	-	-
MERINO 'S'J10	3	31.0	-	-	-
BEAGLE 82	3	25.4	24	-	-
TEST MEAN	17	-	24	-	-
L.S.D. (.10)	5	-	11	-	-
C.V. (%)	22	-	33	-	-

TABLE 13. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER 9766	49	53.8	44	3,819	-
FL 7927-G29	31	52.0	-	-	-
COKER 9227	30	55.4	27	1,674	2,990
COKER 9733	30	55.4	27	-	-
ADDER	28	47.6	29	3,821	3,660
PIONEER 2551	28	51.0	30	3,551	3,772
COKER 9323	27	51.2	-	1,529	-
PIONEER 2548	27	51.4	-	-	-
FLORIDA 302	27	49.2	35	2,431	3,358
MCNAIR 1003	25	46.8	31	4,707	4,128
FLORIDA 301H	25	50.8	-	-	-
TRAVELER	25	51.6	-	3,317	-
FLORIDA 303	25	52.4	-	1,693	-
TERRAL 101	24	50.2	-	-	-
FLORIDA 301	23	52.4	16	1,951	3,078
FILLMORE	23	50.4	26	2,825	3,103
COKER 9877	22	52.8	-	1,933	-
CALDWELL	22	51.4	28	3,224	3,171
WILLIAMS	22	48.8	30	3,721	-
AUBURN	21	51.6	22	3,678	3,444
TERRAL 812	21	52.8	29	1,885	2,965
FFR 525	21	54.0	-	-	-
PIONEER 2555	20	47.4	-	3,873	-
COKER 983	19	52.0	28	1,835	3,060
COMPTON	18	53.2	27	3,321	3,438
STACY	17	50.7	25	3,990	4,246
HARTZ 2440	15	-	-	-	-
MASSEY	15	48.4	26	4,131	4,061
COKER 916	14	50.4	27	1,473	3,026
HUNTER	14	52.0	-	-	-
SALUDA	13	51.5	30	2,552	3,918
PIONEER 2550	7	44.6	-	3,034	-
TERRAL 102	4	47.4	-	-	-
TEST MEAN	22	-	28	2,915	3,464
L.S.D. (.10)	4	-	5	904	694
C.V. (%)	13	-	13	23	15
OATS					
CITATION	103	32.4	84	5,381	4,873
833	102	32.6	70	5,492	4,813
COKER 227	90	31.6	64	4,779	4,455
COKER 716	86	30.0	-	5,032	4,495
COKER 820	86	33.0	64	4,770	4,964
SIMPSON	86	30.8	-	4,969	-
FLORIDA 502	77	33.8	50	4,364	4,226
FFR SF7630	76	30.1	-	4,642	-
FLORIDA 501	69	30.5	54	4,244	4,397
TEST MEAN	86	-	64	4,853	4,603
L.S.D. (.10)	13	-	12	885	649
C.V. (%)	11	-	13	13	10

CONTINUED

TABLE 13. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1989
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
BONEL	-	-	-	5,235	4,727
WINTERGRAZER 70	-	-	-	5,130	4,796
MATON	-	-	-	5,099	4,734
GI 87X	-	-	-	5,069	4,957
ELBON	-	-	-	5,042	4,693
NF 73	-	-	-	5,009	4,858
GI 87	-	-	-	4,970	-
NEW N.K. EXP I	-	-	-	4,970	-
GA WAHRC2	-	-	-	4,970	-
UNDERWOOD EXP 425	-	-	-	4,939	-
GI 90	-	-	-	4,872	-
N.K. VITAGRAZE	-	-	-	4,847	4,451
GURLEY'S GRAZER 2000	-	-	-	4,818	4,331
AFC 20-20	-	-	-	4,716	4,458
AFC 20-10	-	-	-	4,705	-
GI 88	-	-	-	4,672	-
NF 142	-	-	-	4,665	4,516
DOSSCO GRAZER II	-	-	-	4,649	-
AFC 20-40	-	-	-	4,637	-
AFC 20-20X	-	-	-	4,597	-
WREN'S ABRUZZI	-	-	-	4,556	4,293
MGI 30-30	-	-	-	4,544	-
UNDERWOOD EXP 845	-	-	-	4,538	-
GA WAC2L	-	-	-	4,506	-
FL-SYN-T	-	-	-	4,465	3,884
VAN DER HAVE VDH/O 018	-	-	-	4,454	-
WWG-1	-	-	-	4,324	-
GI 85	-	-	-	4,293	4,676
FLORIDA 402	-	-	-	4,268	-
FORAGER	-	-	-	4,065	4,209
UNDERWOOD EXP 428	-	-	-	3,352	-
FLORIDA 401	-	-	-	3,241	3,470
TEST MEAN	-	-	-	4,632	4,470
L.S.D. (.10)	-	-	-	-	-
C.V. (%)	-	-	-	-	-
TRITICALE					
MORRISON	30	43.0	-	-	-
THOMAS	30	42.1	-	-	-
MERINO 'S'J10	30	49.8	-	-	-
STAN II	29	43.8	-	-	-
COUNCIL	24	39.0	-	-	-
STAN I	23	43.2	-	-	-
BEAGLE 82	19	40.8	-	-	-
VICTORIA	16	49.8	-	-	-
FLORIDA 201	15	42.0	-	-	-
JENKINS	8	34.4	-	-	-
TEST MEAN	22	-	-	-	-
L.S.D. (.10)	3	-	-	-	-
C.V. (%)	11	-	-	-	-

TABLE 14. PERFORMANCE OF SMALL GRAINS AT HEADLAND, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER 9766	40	46.6	46	4,975	-
MCNAIR 1003	26	47.4	39	5,159	6,120
ADDER	24	49.8	25	5,164	5,339
AUBURN	24	51.4	30	4,053	4,703
FLORIDA 301H	24	48.5	-	-	-
WILLIAMS	23	49.8	37	6,402	-
FL 7927-G29	23	47.3	-	-	-
PIONEER 2555	22	49.6	-	5,330	-
COKER 9733	22	50.6	29	-	-
PIONEER 2551	22	50.3	31	5,306	5,570
MASSEY	21	49.0	34	4,830	5,281
FLORIDA 303	17	51.3	-	2,805	-
STACY	15	50.8	27	4,721	6,234
FLORIDA 301	14	47.3	33	4,000	4,332
TRAVELER	14	47.8	-	3,763	-
FILLMORE	14	48.1	23	3,230	4,275
FLORIDA 302	13	49.8	33	2,870	3,986
COKER 9227	12	52.3	28	3,391	4,048
HARTZ 2440	12	50.0	-	-	-
COKER 9323	11	47.3	-	3,526	-
CALDWELL	11	47.6	18	4,014	4,623
COKER 983	11	46.6	24	2,660	3,400
COKER 9877	11	51.6	-	3,294	-
COMPTON	10	47.8	22	2,591	4,707
TERRAL 812	10	49.7	26	2,825	3,767
FFR 525	10	50.4	-	-	-
HUNTER	8	42.7	-	-	-
PIONEER 2550	8	43.1	-	3,297	-
TERRAL 102	7	44.2	-	-	-
PIONEER 2548	6	44.4	-	-	-
TERRAL 101	6	46.6	-	-	-
SALUDA	6	42.0	23	3,033	4,785
COKER 916	5	43.0	20	2,002	3,286
TEST MEAN	15	-	29	3,885	4,653
L.S.D. (.10)	6	-	8	1,064	1,058
C.V. (%)	28	-	20	20	17
OATS					
CITATION	103	32.9	69	6,930	7,662
833	99	33.1	74	6,415	6,455
COKER 820	79	34.2	67	7,422	7,323
COKER 227	77	32.3	59	6,718	7,222
FLORIDA 502	77	34.2	70	7,096	7,906
FLORIDA 501	64	33.4	67	6,973	6,399
FFR SF7630	32	28.1	-	6,373	-
SIMPSON	32	28.0	-	5,451	-
COKER 716	28	26.5	-	6,417	6,007
TEST MEAN	67	-	68	6,644	6,996
L.S.D. (.10)	19	-	17	894	1,045
C.V. (%)	20	-	18	9	11

CONTINUED

TABLE 14. PERFORMANCE OF SMALL GRAINS AT HEADLAND, ALABAMA, 1989
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
GA WAHRC2	-	-	-	8,377	-
MGI 30-30	-	-	-	7,553	-
FLORIDA 401	-	-	-	7,548	6,896
GI 87X	-	-	-	7,421	7,060
FORAGER	-	-	-	7,390	7,109
FLORIDA 402	-	-	-	7,377	-
DOSSCO GRAZER II	-	-	-	7,314	-
NF 142	-	-	-	7,227	7,148
GA WAC2L	-	-	-	7,187	-
AFC 20-20	-	-	-	7,109	7,237
UNDERWOOD EXP 428	-	-	-	7,103	-
MATON	-	-	-	6,943	7,378
AFC 20-10	-	-	-	6,937	-
NF 73	-	-	-	6,905	6,958
GI 85	-	-	-	6,893	7,001
WREN'S ABRUZZI	-	-	-	6,884	6,990
GI 90	-	-	-	6,870	-
WINTERGRAZER 70	-	-	-	6,835	7,379
WWG-1	-	-	-	6,803	-
AFC 20-40	-	-	-	6,763	-
UNDERWOOD EXP 845	-	-	-	6,693	-
N.K. VITAGRAZE	-	-	-	6,676	7,250
FL-SYN-T	-	-	-	6,636	7,280
GURLEY'S GRAZER 2000	-	-	-	6,615	6,847
GI 87	-	-	-	6,598	-
UNDERWOOD EXP 425	-	-	-	6,528	-
ELBON	-	-	-	6,517	6,371
NEW N.K. EXP I	-	-	-	6,375	-
BONEL	-	-	-	6,041	6,646
AFC 20-20X	-	-	-	5,772	-
GI 88	-	-	-	5,654	-
VAN DER HAVE VDH/O 018	-	-	-	4,775	-
TEST MEAN	-	-	-	6,822	7,037
L.S.D. (.10)	-	-	-	1,196	1,244
C.V. (%)	-	-	-	13	13
TRITICALE					
STAN II	39	44.0	-	-	-
MERINO 'S'J10	36	47.4	-	-	-
MORRISON	33	43.6	41	-	-
COUNCIL	28	43.5	32	-	-
BEAGLE 82	27	38.1	45	-	-
THOMAS	25	43.1	-	-	-
FLORIDA 201	24	43.3	44	-	-
VICTORIA	19	41.6	-	-	-
STAN I	14	42.5	-	-	-
JENKINS	4	-	13	-	-
TEST MEAN	25	-	35	-	-
L.S.D. (.10)	7	-	9	-	-
C.V. (%)	20	-	20	-	-

TABLE 15. PERFORMANCE OF SMALL GRAINS AT FAIRHOPE, ALABAMA, 1989

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989	TEST WT.	3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
FLORIDA 303	19	-	-	-	-
FL 7927-G29	19	-	-	-	-
FLORIDA 301H	17	-	-	-	-
TRAVELER	17	-	-	-	-
COKER 9733	16	-	31	-	-
COKER 9766	15	-	29	-	-
FLORIDA 301	15	-	20	-	-
FLORIDA 302	12	-	32	-	-
MCNAIR 1003	12	-	29	-	-
MASSEY	8	-	21	-	-
WILLIAMS	7	-	22	-	-
ADDER	7	-	22	-	-
COKER 9877	6	-	-	-	-
AUBURN	6	-	21	-	-
TERRAL 102	4	-	-	-	-
HUNTER	4	-	-	-	-
PIONEER 2555	4	-	-	-	-
FFR 525	4	-	-	-	-
FILLMORE	4	-	20	-	-
PIONEER 2551	4	-	21	-	-
COKER 9323	3	-	-	-	-
COKER 9227	3	-	25	-	-
STACY	3	-	20	-	-
HARTZ 2440	2	-	-	-	-
CALDWELL	2	-	16	-	-
COKER 916	1	-	21	-	-
PIONEER 2548	1	-	-	-	-
TERRAL 812	1	-	22	-	-
SALUDA	1	-	21	-	-
TERRAL 101	1	-	-	-	-
COKER 983	1	-	24	-	-
PIONEER 2550	0	-	-	-	-
COMPTON	0	-	17	-	-
TEST MEAN	7	-	23	-	-
L.S.D. (.10)	4	-	6	-	-
C.V. (%)	42	-	20	-	-
OATS					
CITATION	38	-	36	5,649	5,717
COKER 227	38	-	35	5,228	6,065
833	36	-	35	4,603	5,180
FLORIDA 502	29	-	33	4,140	5,011
COKER 820	11	-	28	5,240	5,687
FLORIDA 501	8	-	28	4,021	4,758
FFR SF7630	0	-	-	4,408	-
COKER 716	0	-	-	3,965	5,281
SIMPSON	0	-	-	3,708	-
TEST MEAN	18	-	32	4,551	5,386
L.S.D. (.10)	10	-	12	430	599
C.V. (%)	41	-	26	7	8

CONTINUED

TABLE 15. PERFORMANCE OF SMALL GRAINS AT FAIRHOPE, ALABAMA, 1989
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1989 TEST WT.		3-YR. AV.	1989	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
WINTERGRAZER 70	-	-	-	4,486	4,427
NF 73	-	-	-	4,463	4,641
NF 142	-	-	-	4,305	4,443
WREN'S ABRUZZI	-	-	-	4,275	4,002
BONEL	-	-	-	4,267	4,653
GI 87X	-	-	-	4,198	4,253
WWG-1	-	-	-	4,178	-
MATON	-	-	-	4,146	4,617
GI 90	-	-	-	4,142	-
AFC 20-10	-	-	-	4,121	-
NEW N.K. EXP I	-	-	-	4,111	-
GI 85	-	-	-	4,106	4,105
GI 88	-	-	-	4,095	-
GI 87	-	-	-	4,063	-
N.K. VITAGRAZE	-	-	-	4,052	3,951
GA WAC2L	-	-	-	4,048	-
AFC 20-20	-	-	-	3,995	4,112
AFC 20-40	-	-	-	3,994	-
FORAGER	-	-	-	3,966	4,015
DOSSCO GRAZER II	-	-	-	3,961	-
GURLEY'S GRAZER 2000	-	-	-	3,913	4,012
VAN DER HAVE VDH/O 018	-	-	-	3,893	-
GA WAHRC2	-	-	-	3,862	-
ELBON	-	-	-	3,860	4,449
AFC 20-20X	-	-	-	3,798	-
FL-SYN-T	-	-	-	3,751	4,139
FLORIDA 402	-	-	-	3,581	-
UNDERWOOD EXP 425	-	-	-	3,422	-
MGI 30-30	-	-	-	3,382	-
UNDERWOOD EXP 428	-	-	-	3,325	-
UNDERWOOD EXP 845	-	-	-	3,312	-
FLORIDA 401	-	-	-	3,055	3,037
TEST MEAN	-	-	-	3,941	4,190
L.S.D. (.10)	-	-	-	570	550
C.V. (%)	-	-	-	11	10
TRITICALE					
BEAGLE 82	19	-	26	2,873	3,199
MERINO 'S'J10	17	-	-	3,217	-
FLORIDA 201	13	-	24	2,218	2,548
COUNCIL	12	-	17	2,947	-
STAN II	10	-	-	3,662	-
MORRISON	8	-	22	3,295	4,431
THOMAS	6	-	-	3,016	4,264
VICTORIA	6	-	-	2,429	-
STAN I	5	-	-	2,374	-
JENKINS	3	-	10	1,198	4,132
FLORICO	-	-	-	2,284	2,796
TEST MEAN	10	-	20	2,683	3,562
L.S.D. (.10)	4	-	5	281	604
C.V. (%)	30	-	20	7	12

Table 16. Septoria Blotch Ratings for Wheat Varieties in Alabama, 1988-89[1/]

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Adder	-	1.3*	0
Auburn	-	.5	.4
Bradford	5.0	-	-
Caldwell	4.0	.3	2.8
Coker 916	8.0	2.8	5.2
Coker 983	3.0	2.0	6.0
Coker 9227	2.5	2.0	.2
Coker 9323	4.0	0	4.6
Coker 9733	0	0	1.0
Coker 9766	2.7	0	1.8
Coker 9877	0	0	1.4
Compton	6.0	1.3	3.4
FFR 525	3.0	3.7*	2.8
Fillmore	1.3	1.3	2.0
FL 7927 G-29	1.3	0	0
Florida 301	-	0*	1
Florida 301H	0	2.0*	3.4
Florida 302	2.0	.3	1.8
Florida 303	0	0	.8
Hartz 2440	7.5	1.5	3.2
Hunter	-	-	6.2
Massey	8.0	8.0*	8.0
McNair 1003	7.5	.3	5.0
Pioneer 2548	2.0	.5	2.2
Pioneer 2550	4.0	4.0	4.2
Pioneer 2551	3.5	0	2.4
Pioneer 2555	6.0	4.8	4.6
Saluda	2.7	5.0	5.2
Stacy	4.0	3.3*	4.2
Terral 101	2.0	0	.2
Terral 102	5.0	2.5	4.8
Terral 812	-	0	2.8
Terral 817	-	0*	-
Traveler	5.0	2.0	2.6
Tyler	6.3	3.5	-
Williams	5.3	2.3	3.6

1/ 0-10 scale: 0 = no disease, 10 = severe disease.
*These varieties were too mature to rate at Camp Hill only.

Table 17. Leaf Rust Ratings for Wheat Varieties in Alabama 1988-89[1/]

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Adder	-	1.3	0
Auburn	-	.5	.4
Bradford	5.0	-	-
Caldwell	4.0	.3	2.8
Coker 916	8.0	2.8	5.2
Coker 983	3.0	2.0	6.0
Coker 9227	2.5	2.0	.2
Coker 9323	4.0	0	4.6
Coker 9733	0	0	1.0
Coker 9766	2.7	0	1.8
Coker 9877	0	0	1.4
Compton	6.0	1.3	3.4
FFR 525	3.0	3.7	2.8
Fillmore	1.3	1.3	2.0
FL 7927 G-29	1.3	0	0
Florida 301	-	0	1.0
Florida 301H	0	2.0	3.4
Florida 302	2.0	.3	1.8
Florida 303	0	0	.8
Hartz 2440	7.5	1.5	3.2
Hunter	-	-	6.2
Massey	8.0	8.0	8.0
McNair 1003	7.5	.3	5.0
Pioneer 2548	2.0	.5	2.2
Pioneer 2550	4.0	4.0	4.2
Pioneer 2551	3.5	0	2.4
Pioneer 2555	6.0	4.8	4.6
Saluda	2.7	5.0	5.2
Stacy	4.0	3.3	4.2
Terral 101	2.0	0	.2
Terral 102	5.0	2.5	4.8
Terral 812	-	0	2.8
Terral 817	-	0	-
Traveler	5.0	2.0	2.6
Tyler	6.3	3.5	-
Williams	5.3	2.3	3.6

[1/] 0-10 scale: 0 = no disease, 10 = severe disease.

Table 18. Powdery Mildew for Wheat Varieties in Alabama, 1988-89[1/]

Brand-variety	Northern[2/] Alabama	Central Alabama	Southern Alabama
Adder	-	3.3*	1.6
Auburn	-	3.0	.4
Bradford	0	-	-
Caldwell	4.0	2.8	1.2
Coker 916	-	1.5	2.2
Coker 983	1.5	2.8	1.0
Coker 9227	3.0	.8	1.4
Coker 9323	5.0	3.0	4.5
Coker 9733	4.0	0	0
Coker 9766	3.0	2.5	2.2
Coker 9877	4.0	3.8	4.4
Compton	3.5	4.5	0
FFR 525	7.0	5.0*	4.5
Fillmore	1.0	2.0	.4
FL 7927 G-29	2.5	3.0	3.0
Florida 301	-	1.0*	1.6
Florida 301H	4.5	3.7*	2.8
Florida 302	3.5	2.5	3.0
Florida 303	1.0	1.5	.6
Hartz 2440	8.0	5.0*	1.5
Hunter	-	-	1.7
Massey	-	-	3.0
McNair 1003	4.0	3.5	3.8
Pioneer 2548	3.0	2.5	.8
Pioneer 2550	4.0	2.3	2.0
Pioneer 2551	2.0	2.5	2.4
Pioneer 2555	3.5	1.3	1.0
Saluda	3.5	1.7*	1.0
Stacy	1.0	1.7	2.0
Terral 101	3.5	3.0	3.8
Terral 102	6.5	5.0	3.8
Terral 812	-	3.3	1.8
Terral 817	-	0	-
Traveler	3	4.8	4.2
Tyler	3	1.0	-
Williams	3	2.5	1.6

1/ 0-10 scale: 0 = no disease, 10 = severe disease.
2/ Crossville only.
* These varieties were to mature to rate at Camp Hill.

Table 19. Disease Ratings for Barley Varieties in Alabama, 1988-89[1/]

Brand-variety	Stripe	Spot Blotch	Net Blotch	Septopia
Northern Alabama[2/]				
Anson	5.0	7.0	8.0	0
Barsoy	*	*	*	*
Boone	*	*	*	*
Keowee	4.0	7.0	5.0	0
Sussex	*	*	*	*
Volbar	4	6.0	7.0	0
Wysor	3	7.0	4.0	0
Central Alabama				
Anson	-	-	-	-
Barsoy	.3+	3.0+	1.0+	1.0+
Boone	.5	3.8	.8	1.8
Keowee	1.0	3.3	1.0	1.5
Sussex	.8	3.8	1.0	1.8
Volbar	.3	1.8	.5	.8
Wysor	.8	3.5	1.5	.5

1/ 0-10 scale: 0 = no disease, 10 = severe disease.
2/ Winfield only.
* These varieties were too mature to rate.
+ Barsoy was too mature to rate at Camp Hill.

Table 20. Disease Ratings for Triticale Varieties in Alabama, 1988-89[1/]

Brand-variety	Leaf rust	Septoria
Northern Alabama[2/]		
Beagle 82	2.5	7.0
Council	0	4.0
Florico	0	8.0
Florida 201	0	7.5
Merino 'S' J10	0	7.5
Morrison	0	4.0
Stan I	0	2.5
Stan II	1	3.5
Thomas	0	5.5
Victoria	3.5	5.5
Central Alabama		
Beagle 82	2.3	4.0
Council	0	2.8
Florico	0	5.0
Florida 201	2.3	4.3
Merino 'S' J10	0	4.0
Morrison	0	3.0
Stan I	0	2.8
Stan II	0	2.0
Thomas	0	4.3
Victoria	5.8	4.5
Southern Alabama		
Beagle 82	2.6	3.2
Council	.6	2.8
Florida 201	1.0	3.8
Jenkins	3.6	2.2
Merino 'S' J10	.2	3.8
Morrison	.2	2.8
Stan I	.2	3.6
Stan II	0	3.2
Thomas	0	4.2
Victoria	4.6	3.2

[1/] 0-10 scale: 0 = no disease, 10 = severe disease.
[2/] Crossville and Winfield only.

Table 21. Disease Ratings for Oat Varieties in Alabama, 1988-89[1/]

Brand-variety	Helminthosporium leaf spot	Leaf rust	Mosaic[2/] red leaf	Septoria
Northern Alabama[3/]				
Citation	6.5	1.5	7.5	1.0
Coker 227	6.5	2.0	2.5	1.0
Coker 716	5.0	0	2.5	1.0
Coker 820	6.0*	0*	20.0*	0*
FFR SF 7630	6.0	0	.5	2.5
Florida 501	8.0*	0*	50.0*	0*
Florida 502	7.0	0	80.0	0
Simpson	6.0	0	7.5	1.0
833	5.5	0	5.0	.5
Central Alabama				
Citation	2.8	0	1.3	1.0
Coker 227	2.8	0	1.3	1.8
Coker 716	2.3	1.8	0	1.3
Coker 820	2.0	0	0	1.3
FFR SF 7630	3.0	2.0	2.5	1.3
Florida 501	2.3	0	12.5	1.5
Florida 502	3.0	.3	5.0	1.5
Simpson	3.0	.5	2.5	1.5
833	2.8	0	0	1.3
Southern Alabama				
Citation	1.8	1.4	0	1.4
Coker 227	2.4	2.4	0	1.8
Coker 716	.7	6.2	0	.7
Coker 820	1.3	2.2	0	1.3
FFR SF 7630	1.7	5.6	0	.7
Florida 501	2.0	3.8	2.0	1.3
Florida 502	1.4	1.6	0	1.4
Simpson	2.3	5.8	.4	.7
833	2.0	1.4	0	1.2

1/ 0-10 scale: 0 = no disease, 10 = severe disease.
2/ Percent plants affected.
3/ Crossville and Winfield only.
4/ 833 showed moderate to heavy loose smut at five locations.
* These varieties were too mature to rate at Crossville.

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 16-20. For lodging, plant height, and maturity ratings, see tables 1, 5, and 10.

NORTHERN ALABAMA

WHEAT	OATS	BARLEY
Coker 9323	Citation	Wysor
Saluda	833	Volbar
Florida 302	Coker 227	Anson
Pioneer Brand 2551	Coker 716	
Coker 916		
Pioneer Brand 2550		
Coker 9766		
Massey		
Tyler*		
Pioneer Brand 2555**		

CENTRAL ALABAMA

WHEAT	OATS
Florida 302	833
Saluda	Citation
Pioneer Brand 2551	Coker 716
Williams	Coker 820
Coker 9766	Coker 227
Coker 916	
Coker 9323	
McNair 1003	
Caldwell	
Pioneer Brand 2550	
Compton*	
Pioneer Brand 2555**	

SOUTHERN ALABAMA

WHEAT	OATS
Coker 9766	Citation
Florida 302	833
McNair 1003	Coker 227
Williams	
Coker 983	
Coker 916*	
Pioneer Brand 2555**	

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*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 1, 5, and 10. Varieties are listed in descending order of yield.

NORTHERN ALABAMA

RYE	WHEAT	OATS	BARLEY
Maton	Massey	Coker 227	Wysor
Bonel	Saluda	Coker 716	Sussex
Elbon	Pioneer Brand 2550	833	Keowee
Wintergrazer 70	Caldwell	Coker 820	
AFC 20-20	Pioneer Brand 2551	Citation	
	McNair 1003		
	Compton		
	Fillmore*		
	Stacy*		
	Williams**		

CENTRAL ALABAMA

RYE	WHEAT	OATS
Wintergrazer 70	Pioneer Brand 2550	Coker 716
Maton	Saluda	Coker 227
Gurley's Grazer 2000	Stacy	833
GI 87X	Pioneer Brand 2551	Citation
AFC 20-20	Caldwell	Coker 820
Elbon	Massey	Simpson**
GI 85	Compton	
Bonel	McNair 1003	
AFC 20-10**	Williams**	
GI 87**		

SOUTHERN ALABAMA

RYE	WHEAT	OATS
Maton	Stacy	Citation
Wintergrazer 70	Saluda	Coker 227
GI 87X	McNair 1003	Coker 820
GI 85	Pioneer Brand 2551*	
Bonel	Compton*	
AFC 20-20	Williams**	
Forager*		
Elbon*		
GI 87**		

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*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.

SOURCES OF SEED

WHEAT

Adder, Auburn, Caldwell Compton, Fillmore	Ag. Alumni Seed Impr. Assoc., Inc. Romney, Indiana
Bradford	Foundation Seed Service College Station, Texas
Coker (all varieties, brands and hybrids), McNair 1003	The New Northup King Co. Memphis, Tennessee
FFR 525	FFR Cooperation West Lafayette, Indiana
Florida 301, Florida 301H Florida 302, Florida 303 Florida 7927-G29	Univ. of Florida Agric. Res. Ctr. Quincy, Florida
Hartz 2440	Hartz Seed Co. Stuttgart, Arkansas
Hunter	GoldKist Summerdale, Alabama
Massey, Saluda	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Pioneer Brand 2548, 2550, 2551, and 2555	Pioneer Hi-Bred International, Inc. Tipton, Indiana
Stacy	Georgia Seed Development Comm. Athens, Georgia
Terral 101, Terral 102, Terral 812, 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

Citation	Terral-Norris Seed Co. Lake Providence, Louisiana
Coker (all varieties, brands and hybrids)	The New Northrup King Co. Memphis, Tennessee
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 Stuttguart, Arkansas

RYE

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 WWGI	Raymond Gurley, II Selma, North Carolina
Dossco Grazer II	Dothan Seed Co. Dothan, Alabama
Florida 401, FL-Syn-T Florida 402	Univ. of Florida Agric. Res. Ctr. Quincy, Florida
Forager	Pineland Plantation Newton, Georgia
GA WAHRC2, GA WAC2L	Coastal Plain Experiment Station Tifton, Georgia
Gurley's Grazer 2000, GI-85 GI-87X, AFC 20-20, GI-87, GI-88, GI-90	Gurley's, Inc. Selma, North Carolina
MGI 30-30, AFC 20-20X	Merchants Grain Inc. Selma, North Carolina

New N.K. Exp. II., New N.K Exp. I. Vitagraze	The New Northrup King, Inc. Highland, Illinois
Underwood Exp 425, 428 and 845	H.J. Underwood Co., Inc. Clinton, North Carolina
Van Der Have VDH/0 018	Van Der Have Oregon Albany, Oregon
Wintergrazer 70	Pennington Seed, Inc. Madison, Georgia
Wren's Abruzzi	Georgia Seed Development Comm. Athens, Georgia
<u>BARLEY</u>	
Anson, Boone	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
<u>TRITICALE</u>	
Beagle 82, Merino 'S' J10	Coastal Plain Experiment Station Tifton, Georgia
Council, Morrison, Thomas	Alabama A & M University Normal, Alabama

Florico	Mixon Seed Co., Inc. Orangeburg, South Carolina
Florida 201	University of Florida Agric. Res. Ctr. Quincy, Florida
Jenkins, Stan I, Stan II, Victoria	Sunseeds Trical Research Salinas, California