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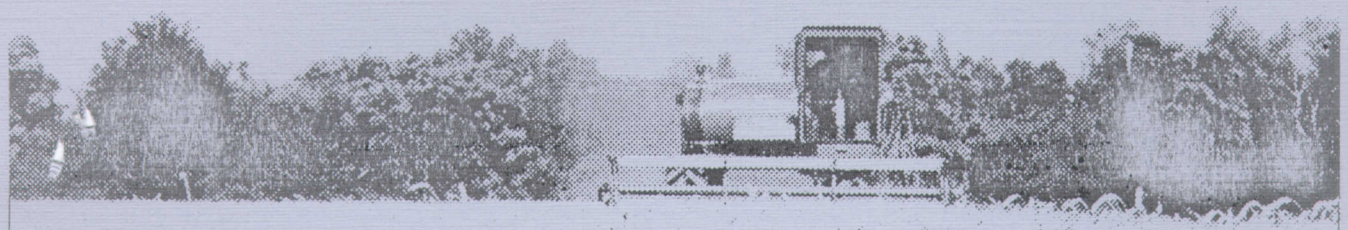

The 1987 Alabama Performance Comparison of Small Grain Varieties

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Lower Coastal Plain Substation, Camden	- J.A. Little, Supt.
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THE 1987 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. 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, weighed, moisture determined, and bushel tests weight 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. However, at Camden a number of cows and calves broke into the test area in early April and selectively grazed the varieties that were in the early boot stage at that time. 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 because of dry conditions. 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 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. As in 1986 and 1987, dry weather precluded disease development (hence meaningful ratings) to some degree at many locations, and premature dry-down of the test prevented disease rating altogether at the Tennessee Valley Substation. Severe hail damage at Tallassee just prior to rating time prevented accurate ratings from being made.

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.

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			1988 AVERAGE LODGING	HEIGHT	1/10 HEADED	TEST WT.
	1988	2-YR.	3-YR.	1988	2-YR.	3-YR.				
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
WHEAT 1/										
COKER 9323	78	58	45	3,468	3,448	2,660	0	36	4-17	59.7
WILLIAMS	78	54	-	3,819	-	-	0	41	4-19	56.6
TYLER	77	51	41	3,376	3,439	2,690	0	42	4-23	57.1
PIONEER 2555	76	-	-	-	-	-	0	38	4-19	59.2
SALUDA	76	58	46	4,080	3,995	3,121	0	36	4-20	60.8
FLORIDA 302	75	56	42	3,968	3,708	2,853	0	38	4-19	56.6
COKER EH 8505	75	-	-	-	-	-	0	41	4-17	58.8
MASSEY	74	55	45	4,350	4,107	3,419	0	39	4-17	59.8
COKER 9766	73	52	-	3,746	-	-	0	38	4-19	59.0
PIONEER 2550	73	55	45	3,726	3,800	3,241	0	39	4-25	57.2
COKER 916	72	54	43	3,746	3,697	2,962	0	35	4-16	60.2
PIONEER 2551	72	54	43	3,868	3,645	3,218	0	36	4-23	56.9
STEELE	71	54	-	3,706	-	-	0	36	4-20	56.5
COKER EH 8504	70	53	-	3,642	-	-	0	39	4-18	61.0
COKER EH 8600	70	-	-	-	-	-	0	41	4-18	57.6
MCNAIR 1003	69	52	41	3,755	3,825	3,162	0	37	4-18	57.5
FILLMORE	68	49	40	3,541	3,570	3,399	0	42	4-28	56.9
FLORIDA 303	68	-	-	-	-	-	0	35	4-15	59.8
COKER 983	67	52	40	3,456	3,485	2,786	0	32	4-18	60.0
FL 7927-G29	67	-	-	-	-	-	0	38	4-17	59.6
CALDWELL	66	51	41	3,964	3,895	3,478	0	38	4-22	58.8
COMPTON	66	50	39	3,760	3,788	3,379	0	38	4-22	60.3
FL 301 H6	65	-	-	-	-	-	0	43	4-15	61.6
LINCOLN	65	49	-	3,610	-	-	3	39	4-23	58.5
HW 3015	65	50	41	4,002	4,154	3,492	0	37	4-18	56.8
COKER 84A-77	64	-	-	-	-	-	0	37	4-20	57.6
STACY	64	47	37	3,881	3,683	3,198	0	42	4-18	60.5
TRAVELER	64	-	-	-	-	-	0	36	4-14	59.9
BRADFORD	63	45	34	3,728	3,805	3,002	0	44	4-17	61.1
MAGNUM	63	47	37	3,120	3,206	2,947	0	36	4-19	60.0
ADDER	62	46	37	3,288	3,486	3,173	0	35	4-19	57.9
TEST MEAN	69	52	41	3,722	3,708	3,121	0	38	-	-
L.S.D. (.10)	12	10	9	587	593	544	-	-	-	-
C.V. (%)	13	14	16	12	12	13	-	-	-	-
OATS 2/										
CITATION	126	91	68	3,039	3,274	2,530	0	42	4-21	36.2
COKER 227	124	89	67	3,598	3,949	3,176	0	43	4-23	36.2
COKER 716	122	83	62	3,490	3,414	2,842	0	43	4-26	37.0
HARPOOL 833	118	90	72	3,114	3,415	2,724	0	41	4-26	37.5
SIMPSON	116	-	-	2,993	-	-	0	44	4-25	37.0
COKER 820	109	84	60	2,972	3,471	2,681	0	38	4-15	37.7
FLORIDA 501	107	74	50	2,922	3,196	2,417	1	41	4-19	37.8
FLORIDA 502	103	69	46	2,922	2,562	1,886	0	37	4-15	38.5
TEST MEAN	115	83	61	3,131	3,326	2,608	0	41	-	-
L.S.D. (.10)	18	14	13	514	961	776	-	-	-	-
C.V. (%)	11	13	16	12	21	22	-	-	-	-
BARLEY 3/										
WYSOR	90	72	66	3,640	4,197	3,644	1	36	4-13	45.3
ANSON	88	67	56	3,435	3,697	2,899	1	44	4-14	44.4
SUSSEX	82	63	53	3,716	4,230	3,151	1	34	4-10	44.5
BOONE	80	64	52	3,332	3,458	3,029	3	38	4-14	44.8
VOLBAR	78	69	56	3,652	3,899	2,989	8	45	4-13	39.7
BARSOY	76	57	49	3,913	3,594	3,005	0	35	4- 8	43.5
KEOWEE	71	54	46	3,900	3,935	3,245	1	39	4-15	43.1
TEST MEAN	81	63	54	3,655	3,858	3,138	2	39	-	-
L.S.D. (.10)	20	16	14	445	562	592	-	-	-	-
C.V. (%)	18	18	19	9	11	14	-	-	-	-

CONTINUED

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			1988 AVERAGE LODGING	HEIGHT	1/10 HEADED	TEST WT.
	1988 BU.	2-YR. BU.	3-YR. BU.	1988 LB.	2-YR. LB.	3-YR. LB.	PCT.	IN.	DATE	LB./BU.
RYE 4/										
MATON	-	-	-	3,301	3,956	4,022	-	-	-	-
NF 142	-	-	-	3,009	3,882	-	-	-	-	-
WINTERGRAZER 70	-	-	-	2,887	3,674	3,728	-	-	-	-
ELBON	-	-	-	2,850	3,780	3,813	-	-	-	-
BONEL	-	-	-	2,799	3,775	3,834	-	-	-	-
VAN DER HAVE VDH/O 018	-	-	-	2,797	-	-	-	-	-	-
DOSSCO GRAZER II	-	-	-	2,673	-	-	-	-	-	-
NF 73	-	-	-	2,613	3,577	-	-	-	-	-
WWG-1	-	-	-	2,600	-	-	-	-	-	-
AFC 20-20	-	-	-	2,558	3,508	3,515	-	-	-	-
GI 87X	-	-	-	2,549	3,306	3,434	-	-	-	-
GURLEY'S ABRUZZI	-	-	-	2,538	-	-	-	-	-	-
GI 85	-	-	-	2,500	3,325	3,393	-	-	-	-
UNDERWOOD EXP 845	-	-	-	2,443	-	-	-	-	-	-
AFC 20-10	-	-	-	2,430	-	-	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	2,404	3,358	3,432	-	-	-	-
UNDERWOOD EXP 428	-	-	-	2,372	-	-	-	-	-	-
GI 88	-	-	-	2,370	-	-	-	-	-	-
FORAGER	-	-	-	2,368	3,243	3,308	-	-	-	-
UNDERWOOD EXP 425	-	-	-	2,352	-	-	-	-	-	-
WREN'S ABRUZZI	-	-	-	2,323	3,140	3,221	-	-	-	-
DOSSCO EXP PRI	-	-	-	2,255	3,037	-	-	-	-	-
FLORIDA 402	-	-	-	2,252	-	-	-	-	-	-
FL-SYN-T	-	-	-	2,087	3,004	2,805	-	-	-	-
N.K. SS-1	-	-	-	2,086	3,120	3,037	-	-	-	-
FLORIDA 401	-	-	-	2,006	2,631	2,403	-	-	-	-
N.K. VITAGRAZE	-	-	-	1,889	3,002	3,075	-	-	-	-
TEST MEAN	-	-	-	2,493	3,372	3,359	-	-	-	-
L.S.D. (.10)	-	-	-	294	695	641	-	-	-	-
C.V. (%)	-	-	-	9	15	14	-	-	-	-
TRITICALE 5/										
STAN I	71	-	-	4,360	-	-	0	54	5- 1	52.0
MORRISON	70	49	46	4,442	3,646	3,323	3	57	4-19	51.8
THOMAS	68	-	-	4,973	4,225	-	0	50	4-17	48.4
FLORICO	63	-	-	2,775	2,547	-	0	41	4-13	53.6
BEAGLE 82	62	41	-	3,408	2,916	-	0	39	4-13	51.0
FLORIDA 201	58	39	28	2,755	2,380	-	0	39	4-13	51.4
CHARLIE	57	-	-	4,943	-	-	18	61	5- 6	50.6
JENKINS	53	34	-	5,212	4,501	4,135	5	62	5- 7	52.9
COUNCIL	49	-	-	4,757	2,454	2,073	0	50	4-22	46.0
TEST MEAN	61	41	37	4,181	3,238	3,177	3	50	-	-
L.S.D. (.10)	9	14	12	628	571	617	-	-	-	-
C.V. (%)	11	25	24	11	13	14	-	-	-	-

1/ WHEAT FORAGE YIELDS ARE FROM BELLE MINA AND WINFIELD.
2/ OATS FORAGE YIELDS ARE FROM CROSSVILLE AND WINFIELD.
3/ BARLEY FORAGE YIELDS ARE FROM BELLE MINA AND CROSSVILLE.
4/ RYE FORAGE YIELDS ARE FROM CROSSVILLE.
5/ TRITICALE FORAGE YIELDS ARE FROM BELLE MINA.

TABLE 2. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
WILLIAMS	79	59.0	-	4,977	-
SALUDA	76	61.6	55	5,040	2,887
PIONEER 2555	73	60.2	-	-	-
COKER 9766	73	59.1	-	4,545	-
COKER EH 8504	72	62.3	-	4,723	-
TYLER	71	59.0	45	4,030	2,491
COKER 9323	70	59.4	53	4,312	2,646
COKER EH 8505	67	59.4	-	-	-
COKER 983	67	61.4	46	4,300	2,912
COKER 916	66	60.0	48	4,357	2,890
MCNAIR 1003	65	58.8	46	4,298	2,858
FLORIDA 302	65	59.0	47	4,765	2,932
PIONEER 2551	64	58.0	47	5,000	3,198
MASSEY	64	60.2	49	4,943	3,209
PIONEER 2550	63	60.4	45	4,279	2,920
LINCOLN	61	60.0	-	4,038	-
COKER EH 8600	61	58.4	-	-	-
STEELE	60	57.5	-	4,440	-
FLORIDA 303	60	59.6	-	-	-
STACY	59	60.8	42	4,583	3,194
FILLMORE	58	59.4	41	4,351	3,271
BRADFORD	58	62.8	39	4,440	2,875
FL 7927-G29	58	60.5	-	-	-
COMPTON	57	60.9	41	4,138	3,016
FL 301 H6	55	61.2	-	-	-
MAGNUM	55	60.5	39	3,603	2,865
HW 3015	54	-	42	4,758	3,370
TRAVELER	54	60.3	-	-	-
COKER 84A-77	53	58.6	-	-	-
CALDWELL	53	58.8	44	4,225	3,150
ADDER	52	58.3	39	3,494	2,806
TEST MEAN	63	-	45	4,419	2,972
L.S.D. (.10)	10	-	9	618	456
C.V. (%)	11	-	14	10	11

CONTINUED

TABLE 2. PERFORMANCE OF SMALL GRAINS AT BELLE MINA, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
OATS					
CITATION	118	37.3	78	-	-
COKER 716	108	39.6	62	-	-
FLORIDA 502	105	40.5	55	-	-
SIMPSON	101	38.4	-	-	-
COKER 227	98	38.2	72	-	-
COKER 820	98	40.7	66	-	-
HARPOOL 833	92	39.5	70	-	-
FLORIDA 501	92	39.5	56	-	-
TEST MEAN	102	-	66	-	-
L.S.D. (.10)	16	-	14	-	-
C.V. (%)	11	-	15	-	-
BARLEY					
BOONE	101	44.6	63	3,973	2,774
ANSON	96	46.6	68	3,836	2,600
WYSOR	95	46.4	77	4,362	3,554
SUSSEX	89	46.8	69	4,566	2,964
BARSOY	80	48.1	54	4,677	3,012
KEOWEE	71	44.5	51	4,460	2,981
VOLBAR	63	42.7	49	4,167	2,597
TEST MEAN	85	-	62	4,291	2,926
L.S.D. (.10)	15	-	13	544	375
C.V. (%)	12	-	15	9	9
TRITICALE					
MORRISON	55	53.2	41	4,442	3,078
FLORICO	51	54.7	-	2,775	-
BEAGLE 82	47	52.6	-	3,408	-
CHARLIE	46	51.9	-	4,943	-
STAN I	45	52.4	-	4,360	-
THOMAS	45	50.5	-	4,973	-
FLORIDA 201	40	53.6	24	2,755	-
JENKINS	38	54.2	-	5,212	3,816
COUNCIL	33	48.7	-	4,757	1,970
TEST MEAN	44	-	32	4,181	2,955
L.S.D. (.10)	8	-	18	628	550
C.V. (%)	12	-	40	11	13

TABLE 3. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988 TEST WT.		3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
FLORIDA 302	87	54.5	40	-	-
COKER EH 8505	84	59.2	-	-	-
TYLER	82	56.4	37	-	-
PIONEER 2555	82	58.0	-	-	-
PIONEER 2550	82	54.9	40	-	-
WILLIAMS	81	57.0	-	-	-
SALUDA	81	61.3	43	-	-
COKER EH 8600	80	56.8	-	-	-
COKER 9766	80	59.9	-	-	-
PIONEER 2551	79	56.7	38	-	-
COKER 9323	79	60.3	38	-	-
STEELE	78	55.9	-	-	-
FILLMORE	77	55.2	37	-	-
MASSEY	77	60.3	38	-	-
FLORIDA 303	77	60.7	-	-	-
COKER 84A-77	75	56.3	-	-	-
BRADFORD	75	62.0	34	-	-
COKER 916	75	61.9	39	-	-
CALDWELL	73	59.4	35	-	-
COKER 983	73	61.5	40	-	-
FL 7927-G29	73	59.3	-	-	-
HW 3015	72	-	41	-	-
MCNAIR 1003	72	57.4	36	-	-
TRAVELER	72	59.6	-	-	-
LINCOLN	71	57.9	-	-	-
STACY	71	60.9	35	-	-
COKER EH 8504	71	60.1	-	-	-
COMPTON	71	60.4	36	-	-
MAGNUM	70	60.7	31	-	-
FL 301 H6	70	62.3	-	-	-
ADDER	68	58.6	33	-	-
TEST MEAN	76	-	37	-	-
L.S.D. (.10)	5	-	5	-	-
C.V. (%)	5	-	10	-	-
OATS					
CITATION	145	35.1	63	2,994	3,058
SIMPSON	143	36.3	-	2,974	-
COKER 227	134	35.1	63	3,444	3,200
COKER 716	133	35.5	62	3,204	2,935
FLORIDA 501	130	37.4	52	2,657	2,623
COKER 820	129	35.5	61	3,205	3,216
FLORIDA 502	124	37.8	49	2,859	2,242
HARPOOL 833	120	36.4	61	2,704	2,759
TEST MEAN	132	-	59	3,005	2,862
L.S.D. (.10)	8	-	7	341	396
C.V. (%)	4	-	9	8	10
BARLEY					
VOLBAR	98	41.6	62	3,136	2,813
BOONE	97	47.7	57	2,691	2,721
ANSON	97	44.1	54	3,035	2,890
WYSOR	96	45.3	67	2,918	3,113
SUSSEX	93	43.7	56	2,866	2,998
BARSOY	84	44.0	54	3,149	2,896
KEOWEE	82	45.4	50	3,341	3,072
TEST MEAN	93	-	57	3,019	2,929
L.S.D. (.10)	9	-	7	364	610
C.V. (%)	7	-	9	8	15

CONTINUED

TABLE 3. PERFORMANCE OF SMALL GRAINS AT CROSSVILLE, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
MATON	-	-	-	3,301	4,156
NF 142	-	-	-	3,009	-
WINTERGRAZER 70	-	-	-	2,887	3,789
ELBON	-	-	-	2,850	3,896
BONEL	-	-	-	2,799	3,945
VAN DER HAVE VDH/O 018	-	-	-	2,797	-
DOSSCO GRAZER II	-	-	-	2,673	-
NF 73	-	-	-	2,613	-
WWG-1	-	-	-	2,600	-
AFC 20-20	-	-	-	2,558	3,630
GI 87X	-	-	-	2,549	3,529
GURLEY'S ABRUZZI	-	-	-	2,538	-
GI 85	-	-	-	2,500	3,431
UNDERWOOD EXP 845	-	-	-	2,443	-
AFC 20-10	-	-	-	2,430	-
GURLEY'S GRAZER 2000	-	-	-	2,404	3,447
UNDERWOOD EXP 428	-	-	-	2,372	-
GI 88	-	-	-	2,370	-
FORAGER	-	-	-	2,368	3,526
UNDERWOOD EXP 425	-	-	-	2,352	-
WREN'S ABRUZZI	-	-	-	2,323	3,204
DOSSCO EXP PRI	-	-	-	2,255	-
FLORIDA 402	-	-	-	2,252	-
FL-SYN-T	-	-	-	2,087	2,700
N.K. SS-1	-	-	-	2,086	2,860
FLORIDA 401	-	-	-	2,006	2,267
N.K. VITAGRAZE	-	-	-	1,889	3,156
TEST MEAN	-	-	-	2,493	3,395
L.S.D. (.10)	-	-	-	294	453
C.V. (%)	-	-	-	9	10
TRITICALE					
MORRISON	90	51.3	62	-	-
THOMAS	87	45.3	-	-	-
STAN I	85	51.3	-	-	-
FLORICO	85	52.4	-	-	-
FLORIDA 201	81	50.1	35	-	-
BEAGLE 82	80	50.5	-	-	-
CHARLIE	79	50.6	-	-	-
COUNCIL	70	40.3	-	-	-
JENKINS	65	51.3	-	-	-
TEST MEAN	80	-	49	-	-
L.S.D. (.10)	10	-	8	-	-
C.V. (%)	9	-	12	-	-

TABLE 4. PERFORMANCE OF SMALL GRAINS AT WINFIELD, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
WHEAT							
COKER 9323	85	59.4	45	-	-	2,624	2,565
MASSEY	79	59.9	46	58	-	3,756	3,603
TYLER	77	58.1	39	61	-	2,723	2,895
COKER 916	75	60.0	42	65	-	3,135	3,002
COKER EH 8505	74	57.8	-	-	-	-	-
WILLIAMS	74	53.7	-	-	-	2,661	-
FLORIDA 302	73	58.5	37	59	-	3,172	2,556
STEELE	73	58.0	-	58	-	2,972	-
PIONEER 2555	73	59.5	-	-	-	-	-
PIONEER 2550	73	59.6	50	61	-	3,174	3,903
PIONEER 2551	71	57.6	43	63	-	2,736	3,237
CALDWELL	71	59.2	44	54	-	3,703	3,960
FL 301 H6	71	61.4	-	-	-	-	-
FL 7927-G29	70	59.0	-	-	-	-	-
SALUDA	70	60.0	42	62	-	3,120	3,351
FILLMORE	70	58.1	42	43	-	2,730	3,513
COKER EH 8600	69	57.5	-	-	-	-	-
COMPTON	69	59.6	42	54	-	3,381	3,937
MCNAIR 1003	69	56.8	40	58	-	3,212	3,499
HW 3015	68	-	40	61	-	3,247	3,606
FLORIDA 303	67	59.1	-	-	-	-	-
COKER EH 8504	67	60.5	-	-	-	2,560	-
COKER 9766	67	58.0	-	-	-	2,946	-
TRAVELER	66	59.9	-	-	-	-	-
ADDER	65	56.5	39	52	-	3,082	3,586
LINCOLN	64	59.2	-	37	-	3,182	-
MAGNUM	64	59.3	41	58	-	2,637	3,099
COKER 84A-77	63	57.8	-	-	-	-	-
COKER 983	62	56.6	35	57	-	2,612	2,635
STACY	62	59.9	34	-	-	3,178	3,258
BRADFORD	57	58.2	30	56	-	3,016	3,014
TEST MEAN	70	-	41	57	-	3,024	3,290
L.S.D. (.10)	17	-	11	9	-	568	618
C.V. (%)	18	-	21	12	-	14	14

CONTINUED

TABLE 4. PERFORMANCE OF SMALL GRAINS AT WINFIELD, ALABAMA, 1988

CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
OATS							
HARPOOL 833	140	36.6	87	-	-	3,524	2,787
COKER 227	139	35.4	67	-	-	3,752	3,214
COKER 716	124	35.8	61	-	-	3,776	2,557
CITATION	116	36.3	63	-	-	3,083	1,884
SIMPSON	104	36.3	-	-	-	3,011	-
COKER 820	99	37.0	53	-	-	2,740	2,203
FLORIDA 501	98	36.4	42	-	-	3,188	2,408
FLORIDA 502	79	37.1	35	-	-	2,985	1,207
TEST MEAN	112	-	58	-	-	3,257	2,323
L.S.D. (.10)	29	-	17	-	-	671	1,204
C.V. (%)	18	-	22	-	-	14	38
BARLEY							
WYSOR	81	44.2	55	-	-	-	-
VOLBAR	71	34.9	56	-	-	-	-
ANSON	71	42.4	45	-	-	-	-
BARSOY	65	38.5	39	-	-	-	-
SUSSEX	62	43.0	35	-	-	-	-
KEOWEE	61	39.5	37	-	-	-	-
BOONE	42	42.0	35	-	-	-	-
TEST MEAN	65	-	43	-	-	-	-
L.S.D. (.10)	33	-	20	-	-	-	-
C.V. (%)	35	-	33	-	-	-	-
TRITICALE							
STAN I	83	52.3	-	-	-	-	-
THOMAS	71	50.2	-	66	-	-	-
MORRISON	65	52.0	36	53	-	-	-
BEAGLE 82	59	51.4	-	35	-	-	-
JENKINS	57	52.0	-	59	-	-	-
FLORICO	54	53.6	-	-	-	-	-
FLORIDA 201	54	52.3	25	15	-	-	-
CHARLIE	47	49.4	-	-	-	-	-
COUNCIL	45	49.2	-	43	-	-	-
TEST MEAN	59	-	31	45	-	-	-
L.S.D. (.10)	11	-	9	10	-	-	-
C.V. (%)	13	-	22	15	-	-	-

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			1988 AVERAGE			
	1988	2-YR.	3-YR.	1988	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
WHEAT 1/										
COKER EH 8505	71	-	-	-	-	-	15	38	4-13	54.5
PIONEER 2555	70	-	-	-	-	-	7	37	4-18	56.9
FLORIDA 302	68	61	49	4,534	3,894	3,299	17	37	4-14	55.1
SALUDA	67	61	54	4,919	4,562	3,917	11	36	4-18	58.9
COKER EH 8504	66	58	-	4,312	-	-	8	36	4-14	57.3
WILLIAMS	64	56	-	5,206	-	-	10	39	4-18	55.7
PIONEER 2551	63	56	51	5,091	4,427	3,925	3	35	4-20	54.5
COKER 983	63	52	43	3,966	3,497	2,993	20	32	4-13	58.1
COKER 916	63	53	44	4,080	3,590	3,115	3	34	4-15	58.2
COKER EH 8600	62	-	-	-	-	-	19	39	4-15	55.9
FILLMORE	61	47	40	4,201	3,597	3,247	1	43	4-23	57.4
TYLER	61	48	40	4,457	3,823	3,224	1	42	4-22	55.5
MCNAIR 1003	60	55	48	4,125	3,993	3,512	25	35	4-14	54.3
COKER 9323	60	54	44	4,079	3,551	3,014	25	32	4-10	54.3
STEELE	57	51	-	4,282	-	-	0	36	4-19	54.2
COKER 9766	57	53	-	3,887	-	-	31	35	4-14	55.5
PIONEER 2550	57	52	46	5,096	4,605	4,054	3	37	4-23	55.7
TERRAL 812	56	51	39	3,720	3,280	2,706	28	34	4-14	57.2
CALDWELL	56	51	47	4,866	4,099	3,720	16	39	4-21	56.0
AUBURN	56	46	41	4,599	3,849	3,423	0	39	4-22	56.8
BRADFORD	55	50	41	4,552	4,043	3,439	17	43	4-16	57.7
COKER 9733	55	53	-	3,760	-	-	19	39	4-12	57.1
MASSEY	55	49	44	4,557	4,164	3,673	34	36	4-12	56.4
TRAVELER	55	-	-	-	-	-	19	33	4-10	54.5
FL 7927-G29	53	-	-	-	-	-	31	35	4-11	55.7
COMPTON	53	48	45	4,457	4,099	3,697	2	38	4-21	57.9
ADDER	52	47	43	3,680	3,347	2,994	1	34	4-18	54.8
STACY	52	48	43	4,845	4,386	3,899	15	40	4-17	57.2
TERRAL 817	51	46	36	4,731	4,055	3,346	37	38	4-12	55.6
LINCOLN	51	47	-	4,607	-	-	25	40	4-22	55.3
COKER 84A-77	50	-	-	-	-	-	41	35	4-15	54.4
FLORIDA 303	50	-	-	-	-	-	27	33	4-13	54.6
HW 3015	48	49	47	4,930	4,431	3,963	30	33	4- 9	-
FL 301 H6	42	-	-	-	-	-	36	37	4-13	54.8
TEST MEAN	58	52	44	4,444	3,965	3,458	17	37	-	-
L.S.D. (.10)	9	9	8	573	535	494	-	-	-	-
C.V. (%)	12	13	13	10	10	11	-	-	-	-
OATS										
COKER 716	98	80	65	4,354	4,129	3,809	11	46	4-22	32.9
SIMPSON	94	-	-	4,403	-	-	13	47	4-21	33.7
CITATION	85	84	73	4,063	4,264	3,954	6	45	4-18	35.0
HARPOOL 833	84	86	74	4,303	4,271	4,022	6	42	4-21	33.8
FLORIDA 502	68	76	63	3,475	3,495	2,911	0	39	4-11	30.8
COKER 227	68	73	61	4,150	4,118	3,972	17	46	4-18	32.0
FLORIDA 501	62	65	51	3,305	3,515	2,898	23	41	4-14	33.6
COKER 820	58	72	66	4,102	4,232	3,863	3	40	4-11	31.6
TEST MEAN	77	77	65	4,019	4,004	3,633	10	43	-	-
L.S.D. (.10)	13	14	13	472	473	492	-	-	-	-
C.V. (%)	12	14	15	9	9	10	-	-	-	-

CONTINUED

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			1988 AVERAGE			
	1988	2-YR.	3-YR.	1988	2-YR.	3-YR.	LODGING	HEIGHT	1/10 HEADED	TEST WT.
	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
BARLEY										
VOLBAR	57	53	47	-	-	-	6	40	4-13	39.6
WYSOR	55	58	54	-	-	-	8	35	4-12	41.3
BOONE	53	55	45	-	-	-	19	35	4-14	40.5
BARSOY	50	47	43	-	-	-	14	33	4- 2	43.3
KEOWEE	49	51	44	-	-	-	12	37	4-14	40.9
ANSON	45	51	45	-	-	-	13	41	4-15	41.3
TEST MEAN	51	53	47	-	-	-	12	37	-	-
L.S.D. (.10)	12	12	11	-	-	-	-	-	-	-
C.V. (%)	18	17	17	-	-	-	-	-	-	-
RYE 2/										
GI 87	-	-	-	5,383 4/	-	-	-	-	-	-
WINTERGRAZER 70	-	-	-	4,351	3,856	3,868	-	-	-	-
AFC 20-10	-	-	-	4,199	-	-	-	-	-	-
GI 87X	-	-	-	4,160	3,844	3,721	-	-	-	-
NF 73	-	-	-	4,160	3,816	-	-	-	-	-
GURLEY'S ABRUZZI	-	-	-	4,159	-	-	-	-	-	-
BONEL	-	-	-	4,148	3,735	3,729	-	-	-	-
FLORIDA 402	-	-	-	4,133	-	-	-	-	-	-
NF 142	-	-	-	4,118	3,794	-	-	-	-	-
AFC 20-20	-	-	-	4,113	3,766	3,739	-	-	-	-
MATON	-	-	-	4,101	3,798	3,786	-	-	-	-
VAN DER HAVE VDH/0 018	-	-	-	4,081	-	-	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	4,051	3,833	3,717	-	-	-	-
GI 85	-	-	-	4,045	3,645	3,711	-	-	-	-
DOSSCO GRAZER II	-	-	-	4,013	-	-	-	-	-	-
WWG-1	-	-	-	4,011	-	-	-	-	-	-
GI 88	-	-	-	4,010	-	-	-	-	-	-
UNDERWOOD EXP 845	-	-	-	3,980	-	-	-	-	-	-
UNDERWOOD EXP 428	-	-	-	3,956	-	-	-	-	-	-
FORAGER	-	-	-	3,949	3,721	3,557	-	-	-	-
ELBON	-	-	-	3,905	3,694	3,620	-	-	-	-
WREN'S ABRUZZI	-	-	-	3,870	3,750	3,676	-	-	-	-
N.K. VITAGRAZE	-	-	-	3,789	3,555	3,472	-	-	-	-
UNDERWOOD EXP 425	-	-	-	3,783	-	-	-	-	-	-
N.K. SS-1	-	-	-	3,748	3,608	3,512	-	-	-	-
DOSSCO EXP PRI	-	-	-	3,659	3,518	-	-	-	-	-
FL-SYN-T	-	-	-	3,648	3,265	3,160	-	-	-	-
FLORIDA 401	-	-	-	3,392	3,109	3,075	-	-	-	-
TEST MEAN	-	-	-	4,033	3,665	3,596	-	-	-	-
L.S.D. (.10)	-	-	-	584	563	553	-	-	-	-
C.V. (%)	-	-	-	11	11	11	-	-	-	-
TRITICALE 3/										
STAN I	59	-	-	3,027	-	-	0	51	4-22	46.6
THOMAS	53	-	-	2,692	2,851	-	2	48	4-14	45.1
MORRISON	52	45	41	2,681	2,776	2,766	9	55	4-16	47.8
BEAGLE 82	46	42	-	1,838	2,267	-	26	38	4- 5	44.1
JENKINS	40	29	-	2,094	2,335	2,492	0	62	5- 2	49.0
COUNCIL	40	-	-	2,757	2,001	2,180	12	49	4-17	39.5
CHARLIE	39	-	-	2,387	-	-	20	59	5- 2	44.5
FLORIDA 201	39	35	30	1,754	2,373	-	43	38	4- 5	44.8
FLORICO	38	-	-	1,491	2,175	-	39	39	4- 5	47.0
TEST MEAN	45	38	36	2,302	2,397	2,479	17	49	-	-
L.S.D. (.10)	11	10	10	359	513	481	-	-	-	-
C.V. (%)	17	20	21	11	16	14	-	-	-	-

1/ WHEAT FORAGE YIELDS ARE FROM PRATTVILLE, MARION JUNCTION AND TALLASSEE.
2/ RYE FORAGE YIELDS ARE FROM CAMP HILL, PRATTVILLE, AND TALLASSEE.
3/ TRITICALE FORAGE YIELDS ARE FROM CAMP HILL AND TALLASSEE.
4/ GI 87 WAS ONLY AT PRATTVILLE FIELD.

TABLE 6. PERFORMANCE OF SMALL GRAINS AT MARION JUNCTION, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988 TEST WT.		3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER EH 8505	98	58.6	-	-	-
PIONEER 2551	88	56.3	66	5,176	-
MCNAIR 1003	87	58.5	62	3,748	-
COKER EH 8504	87	59.4	-	3,657	-
COKER EH 8600	87	59.1	-	-	-
FLORIDA 302	86	57.7	58	3,957	-
PIONEER 2555	86	59.2	-	-	-
FL 7927-G29	85	59.8	-	-	-
WILLIAMS	84	56.7	-	5,050	-
COKER 983	83	60.8	50	3,628	-
FLORIDA 303	83	60.1	-	-	-
SALUDA	81	62.4	65	4,601	-
COKER 9323	81	57.6	59	3,781	-
COKER 916	80	61.2	57	3,455	-
PIONEER 2550	80	56.2	60	4,465	-
COKER 9766	80	60.5	-	3,807	-
TERRAL 812	79	61.0	49	3,519	-
FILLMORE	78	57.1	54	3,567	-
TRAVELER	78	58.0	-	-	-
MASSEY	76	58.6	52	4,175	-
AUBURN	75	59.3	55	4,041	-
COKER 9733	75	59.3	-	3,697	-
COKER 84A-77	75	56.9	-	-	-
TYLER	74	58.1	48	4,643	-
COMPTON	73	60.1	63	4,221	-
LINCOLN	72	61.6	-	3,665	-
HW 3015	72	-	58	4,412	-
STACY	72	60.8	51	4,507	-
BRADFORD	71	59.7	56	4,163	-
STEELE	71	56.0	-	3,991	-
CALDWELL	70	56.9	58	4,347	-
FL 301 H6	66	59.6	-	-	-
ADDER	65	55.5	55	3,457	-
TERRAL 817	61	57.3	46	4,257	-
TEST MEAN	78	-	56	4,076	-
L.S.D. (.10)	6	-	6	528	-
C.V. (%)	6	-	7	9	-

CONTINUED

TABLE 6. PERFORMANCE OF SMALL GRAINS AT MARION JUNCTION, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
OATS					
COKER 716	145	33.0	90	4,876	5,038
SIMPSON	144	34.0	-	4,562	-
CITATION	126	34.8	102	4,648	4,946
HARPOOL 833	126	33.5	99	4,577	4,890
COKER 227	108	33.4	85	4,190	4,999
FLORIDA 502	99	35.3	83	4,032	3,907
FLORIDA 501	98	36.8	68	3,886	3,715
COKER 820	81	34.2	84	4,384	4,532
TEST MEAN	116	-	87	4,394	4,575
L.S.D. (.10)	10	-	17	482	452
C.V. (%)	6	-	14	8	7
BARLEY					
VOLBAR	84	42.0	59	-	-
BARSOY	83	45.8	58	-	-
WYSOR	82	42.5	78	-	-
BOONE	80	41.9	61	-	-
KEOWEE	61	37.5	58	-	-
ANSON	57	44.6	64	-	-
TEST MEAN	75	-	63	-	-
L.S.D. (.10)	19	-	14	-	-
C.V. (%)	17	-	16	-	-
RYE					
WINTERGRAZER 70	-	-	-	4,509	-
MATON	-	-	-	4,435	-
AFC 20-20	-	-	-	4,221	-
WREN'S ABRUZZI	-	-	-	4,185	-
TEST MEAN	-	-	-	4,337	-
L.S.D. (.10)	-	-	-	762	-
C.V. (%)	-	-	-	11	-
TRITICALE					
THOMAS	80	48.6	-	-	-
MORRISON	74	51.7	51	-	-
STAN I	62	48.7	-	-	-
BEAGLE 82	62	47.2	-	-	-
FLORICO	60	51.4	-	-	-
FLORIDA 201	59	48.7	36	-	-
JENKINS	56	51.2	-	-	-
CHARLIE	54	47.9	-	-	-
COUNCIL	49	40.4	-	-	-
TEST MEAN	62	-	44	-	-
L.S.D. (.10)	10	-	8	-	-
C.V. (%)	11	-	13	-	-

TABLE 7. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988 TEST WT.		3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
PIONEER 2555	84	60.3	-	-	-
WILLIAMS	77	58.2	-	5,125	-
COKER EH 8505	75	54.3	-	-	-
SALUDA	74	58.9	52	4,574	4,471
FLORIDA 302	72	56.8	55	4,787	3,929
TYLER	72	59.1	42	4,019	3,461
COKER EH 8504	72	56.7	-	4,534	-
PIONEER 2551	71	57.8	49	4,417	4,239
COKER 983	69	57.8	51	4,466	3,727
MCNAIR 1003	67	55.0	49	3,996	4,042
COKER 9323	67	55.2	46	4,200	3,511
TERRAL 812	67	56.8	45	4,305	3,661
BRADFORD	66	60.4	40	4,755	4,060
FILLMORE	66	60.0	34	4,395	3,754
STEELE	66	56.5	-	4,227	-
PIONEER 2550	65	58.1	44	4,543	4,374
COKER EH 8600	65	56.6	-	-	-
COKER 916	64	58.3	46	4,134	3,672
TRAVELER	64	57.5	-	-	-
CALDWELL	63	59.1	44	4,432	3,909
COKER 9766	60	55.2	-	4,235	-
MASSEY	58	56.6	46	4,314	4,212
LINCOLN	57	58.0	-	4,892	-
AUBURN	57	58.9	35	4,310	3,846
TERRAL 817	56	56.5	37	4,974	3,846
COKER 9733	55	57.2	-	4,007	-
ADDER	54	56.8	39	3,588	3,334
STACY	53	56.4	40	4,994	4,403
COMPTON	51	60.3	40	4,083	4,229
FL 7927-G29	49	56.2	-	-	-
HW 3015	49	-	43	-	-
COKER 84A-77	47	55.0	-	-	-
FLORIDA 303	45	57.2	-	-	-
FL 301 H6	42	56.6	-	-	-
TEST MEAN	62	-	44	4,412	3,931
L.S.D. (.10)	11	-	9	561	492
C.V. (%)	13	-	15	9	9
OATS					
COKER 716	104	32.3	70	5,566	4,708
CITATION	100	36.7	69	4,524	4,451
SIMPSON	93	32.5	-	5,271	-
FLORIDA 502	84	34.9	63	4,428	3,334
HARPOOL 833	84	32.7	69	4,900	4,766
COKER 227	81	32.2	63	4,757	4,544
COKER 820	81	34.6	64	5,008	4,581
FLORIDA 501	76	35.5	52	4,512	3,510
TEST MEAN	88	-	64	4,871	4,271
L.S.D. (.10)	20	-	13	543	540
C.V. (%)	16	-	15	8	9

CONTINUED

TABLE 7. PERFORMANCE OF SMALL GRAINS AT PRATTVILLE, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
BOONE	68	42.4	47	-	-
KEOWEE	65	42.5	46	-	-
VOLBAR	62	39.7	45	-	-
ANSON	58	40.0	42	-	-
BARSOY	58	43.2	42	-	-
WYSOR	56	40.3	48	-	-
TEST MEAN	61	-	45	-	-
L.S.D. (.10)	11	-	8	-	-
C.V. (%)	12	-	13	-	-
RYE					
GI 87	-	-	-	5,383	-
WINTERGRAZER 70	-	-	-	5,305	4,914
GI 87X	-	-	-	5,201	4,747
NF 73	-	-	-	5,199	-
MATON	-	-	-	5,096	4,849
NF 142	-	-	-	5,066	-
GURLEY'S GRAZER 2000	-	-	-	4,975	4,934
GURLEY'S ABRUZZI	-	-	-	4,953	-
ELBON	-	-	-	4,830	4,562
BONEL	-	-	-	4,818	4,727
UNDERWOOD EXP 425	-	-	-	4,815	-
WWG-1	-	-	-	4,790	-
GI 88	-	-	-	4,749	-
DOSSCO GRAZER II	-	-	-	4,685	-
AFC 20-10	-	-	-	4,639	-
AFC 20-20	-	-	-	4,617	4,645
N.K. VITAGRAZE	-	-	-	4,579	4,599
UNDERWOOD EXP 845	-	-	-	4,519	-
N.K. SS-1	-	-	-	4,485	4,304
FL-SYN-T	-	-	-	4,484	4,226
UNDERWOOD EXP 428	-	-	-	4,472	-
GI 85	-	-	-	4,465	4,662
FLORIDA 402	-	-	-	4,462	-
DOSSCO EXP PRI	-	-	-	4,429	-
FORAGER	-	-	-	4,399	4,365
WREN'S ABRUZZI	-	-	-	4,223	4,593
FLORIDA 401	-	-	-	4,179	3,921
VAN DER HAVE VDH/O 018	-	-	-	4,146	-
TEST MEAN	-	-	-	4,713	4,575
L.S.D. (.10)	-	-	-	492	462
C.V. (%)	-	-	-	8	7
TRITICALE					
STAN I	79	47.1	-	-	-
MORRISON	60	47.3	42	-	-
THOMAS	59	46.1	-	-	-
FLORIDA 201	49	44.7	41	-	-
BEAGLE 82	49	45.4	-	-	-
COUNCIL	48	43.5	-	-	-
JENKINS	47	50.8	-	-	-
CHARLIE	39	45.8	-	-	-
FLORICO	36	48.0	-	-	-
TEST MEAN	52	-	42	-	-
L.S.D. (.10)	16	-	11	-	-
C.V. (%)	21	-	20	-	-

TABLE 8. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988 TEST WT.		3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
PIONEER 2555	68	51.0	-	-	-
COKER 916	68	55.2	39	4,651	2,654
COKER 983	67	55.1	37	3,805	2,353
COKER EH 8504	66	53.4	-	4,745	-
COKER EH 8505	66	49.5	-	-	-
FLORIDA 302	64	48.8	43	4,858	2,857
SALUDA	62	54.3	53	5,582	3,632
PIONEER 2551	61	48.6	50	5,680	3,297
WILLIAMS	54	50.5	-	5,443	-
ADDER	54	50.5	45	3,994	2,651
FILLMORE	53	53.1	34	4,641	2,867
TYLER	53	47.7	29	4,709	2,873
COKER 9323	52	47.8	34	4,255	2,298
STACY	52	52.8	44	5,035	3,346
COKER 9733	51	52.3	-	3,575	-
AUBURN	49	50.8	38	5,447	2,873
STEELE	49	48.6	-	4,627	-
COMPTON	48	53.2	40	5,068	3,203
CALDWELL	48	50.7	43	5,821	3,492
PIONEER 2550	45	50.5	39	6,279	3,767
MCNAIR 1003	45	48.1	43	4,630	3,097
TERRAL 812	44	51.3	32	3,335	1,987
COKER 9766	44	48.4	-	3,620	-
FL 7927-G29	44	51.0	-	-	-
TERRAL 817	43	50.3	30	4,961	2,664
BRADFORD	43	54.3	31	4,737	2,761
FLORIDA 303	43	46.2	-	-	-
MASSEY	42	51.4	41	5,182	3,232
COKER EH 8600	42	49.4	-	-	-
HW 3015	41	-	48	5,449	3,236
TRAVELER	36	46.0	-	-	-
LINCOLN	33	42.9	-	5,263	-
COKER 84A-77	31	47.7	-	-	-
FL 301 H6	27	47.0	-	-	-
TEST MEAN	50	-	40	4,823	2,957
L.S.D. (.10)	10	-	9	644	569
C.V. (%)	15	-	17	10	14
OATS					
COKER 716	86	34.2	60	5,341	3,426
FLORIDA 502	79	33.8	78	3,795	2,662
SIMPSON	75	35.0	-	6,201	-
HARPOOL 833	74	36.7	75	5,492	3,778
COKER 820	60	36.0	88	4,684	3,877
CITATION	58	36.7	75	5,218	4,000
FLORIDA 501	56	35.8	61	3,210	2,811
COKER 227	51	33.5	62	5,166	3,750
TEST MEAN	67	-	71	4,888	3,472
L.S.D. (.10)	14	-	13	594	623
C.V. (%)	14	-	13	8	13

CONTINUED

TABLE 8. PERFORMANCE OF SMALL GRAINS AT TALLASSEE, ALABAMA, 1988
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
WYSOR	42	39.7	43	-	-
VOLBAR	42	36.6	35	-	-
BARSOY	40	41.5	44	-	-
KEOWEE	35	41.2	37	-	-
BOONE	33	37.0	39	-	-
ANSON	32	38.9	35	-	-
TEST MEAN	37	-	39	-	-
L.S.D. (.10)	12	-	11	-	-
C.V. (%)	23	-	21	-	-
RYE					
VAN DER HAVE VDH/O 018	-	-	-	5,815	-
GURLEY'S ABRUZZI	-	-	-	5,731	-
BONEL	-	-	-	5,697	4,048
AFC 20-10	-	-	-	5,660	-
NF 142	-	-	-	5,455	-
GI 85	-	-	-	5,393	3,956
GI 87X	-	-	-	5,285	3,951
WINTERGRAZER 70	-	-	-	5,277	3,867
WWG-1	-	-	-	5,261	-
AFC 20-20	-	-	-	5,251	3,955
GI 88	-	-	-	5,243	-
FORAGER	-	-	-	5,232	3,801
MATON	-	-	-	5,223	4,013
DOSSCO GRAZER II	-	-	-	5,177	-
WREN'S ABRUZZI	-	-	-	5,133	3,712
GURLEY'S GRAZER 2000	-	-	-	5,101	3,836
NF 73	-	-	-	5,038	-
UNDERWOOD EXP 845	-	-	-	5,018	-
FLORIDA 402	-	-	-	4,948	-
UNDERWOOD EXP 428	-	-	-	4,777	-
N.K. VITAGRAZE	-	-	-	4,766	3,431
ELBON	-	-	-	4,740	3,659
N.K. SS-1	-	-	-	4,713	3,599
DOSSCO EXP PRI	-	-	-	4,346	-
UNDERWOOD EXP 425	-	-	-	4,269	-
FL-SYN-T	-	-	-	4,237	2,872
FLORIDA 401	-	-	-	3,871	2,837
TEST MEAN	-	-	-	5,061	3,681
L.S.D. (.10)	-	-	-	630	604
C.V. (%)	-	-	-	9	12
TRITICALE					
STAN I	39	40.8	-	4,642	-
MORRISON	38	45.0	38	4,016	2,504
BEAGLE 82	32	38.7	-	2,259	-
THOMAS	28	39.8	-	4,157	-
JENKINS	26	45.6	-	2,848	2,087
FLORIDA 201	23	40.3	26	2,357	-
COUNCIL	23	35.1	-	4,105	1,725
FLORICO	21	40.3	-	2,062	-
CHARLIE	15	37.9	-	3,436	-
TEST MEAN	27	-	32	3,320	2,106
L.S.D. (.10)	6	-	9	407	387
C.V. (%)	16	-	21	9	13

TABLE 9. PERFORMANCE OF SMALL GRAINS AT CAMP HILL, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988 TEST WT.		3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER EH 8600	53	58.4	-	-	-
SALUDA	49	60.2	46	-	-
COKER 84A-77	49	58.2	-	-	-
FLORIDA 302	49	57.1	42	-	-
COKER EH 8505	47	55.7	-	-	-
FILLMORE	46	59.4	38	-	-
COKER 9766	45	57.9	-	-	-
STEELE	44	55.9	-	-	-
PIONEER 2555	43	57.1	-	-	-
TYLER	43	57.3	42	-	-
TERRAL 817	43	58.2	31	-	-
CALDWELL	43	57.2	41	-	-
MASSEY	43	58.9	37	-	-
BRADFORD	42	56.5	39	-	-
LINCOLN	41	58.6	-	-	-
MCNAIR 1003	41	55.6	38	-	-
COKER 9323	40	56.6	37	-	-
AUBURN	40	58.2	36	-	-
TRAVELER	40	56.5	-	-	-
WILLIAMS	40	57.3	-	-	-
COKER 9733	40	59.5	-	-	-
COKER 916	39	58.1	35	-	-
COKER EH 8504	39	59.6	-	-	-
COMPTON	38	58.1	38	-	-
PIONEER 2550	37	58.0	42	-	-
ADDER	36	56.3	34	-	-
TERRAL 812	36	59.6	32	-	-
FL 7927-G29	34	56.0	-	-	-
FL 301 H6	34	55.9	-	-	-
PIONEER 2551	32	55.5	39	-	-
COKER 983	32	58.8	36	-	-
HW 3015	31	-	38	-	-
STACY	31	58.7	35	-	-
FLORIDA 303	30	54.9	-	-	-
TEST MEAN	40	-	38	-	-
L.S.D. (.10)	8	-	8	-	-
C.V. (%)	15	-	16	-	-
OATS 1/					
SIMPSON	65	33.3	-	1,578	-
COKER 716	56	32.1	43	1,634	2,065
CITATION	54	32.0	47	1,861	2,421
HARPOOL 833	52	32.3	54	2,242	2,655
COKER 227	29	28.8	33	2,485	2,594
FLORIDA 501	18	26.4	26	1,613	1,555
COKER 820	10	21.8	30	2,331	2,462
FLORIDA 502	9	19.3	27	1,645	1,743
TEST MEAN	37	-	37	1,924	2,213
L.S.D. (.10)	4	-	8	331	344
C.V. (%)	9	-	16	12	11

CONTINUED

1/ BIRD DAMAGE TO GRAIN YIELDS WAS 30 TO 90 PERCENT LOSS.

TABLE 9. PERFORMANCE OF SMALL GRAINS AT CAMP HILL, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
BARLEY					
VOLBAR	42	40.1	49	-	-
WYSOR	39	42.8	48	-	-
KEOWEE	34	42.4	35	-	-
ANSON	31	41.8	39	-	-
BOONE	29	40.7	35	-	-
BARSOY	19	42.7	29	-	-
TEST MEAN	32	-	39	-	-
L.S.D. (.10)	9	-	8	-	-
C.V. (%)	19	-	15	-	-
RYE					
FLORIDA 402	-	-	-	2,990	-
UNDERWOOD EXP 428	-	-	-	2,619	-
UNDERWOOD EXP 845	-	-	-	2,403	-
AFC 20-20	-	-	-	2,363	2,828
WINTERGRAZER 70	-	-	-	2,313	2,831
AFC 20-10	-	-	-	2,297	-
VAN DER HAVE VDH/O 018	-	-	-	2,282	-
GI 85	-	-	-	2,278	2,706
UNDERWOOD EXP 425	-	-	-	2,265	-
NF 73	-	-	-	2,242	-
FL-SYN-T	-	-	-	2,223	2,456
FORAGER	-	-	-	2,217	2,791
DOSSCO EXP PRI	-	-	-	2,201	-
DOSSCO GRAZER II	-	-	-	2,175	-
ELBON	-	-	-	2,146	2,643
FLORIDA 401	-	-	-	2,125	2,478
GURLEY'S GRAZER 2000	-	-	-	2,078	2,589
N.K. SS-1	-	-	-	2,045	2,812
GI 88	-	-	-	2,037	-
N.K. VITAGRAZE	-	-	-	2,023	2,543
GI 87X	-	-	-	1,993	2,685
WWG-1	-	-	-	1,981	-
WREN'S ABRUZZI	-	-	-	1,940	2,755
BONEL	-	-	-	1,928	2,409
NF 142	-	-	-	1,834	-
GURLEY'S ABRUZZI	-	-	-	1,792	-
MATON	-	-	-	1,651	2,439
TEST MEAN	-	-	-	2,164	2,640
L.S.D. (.10)	-	-	-	634	623
C.V. (%)	-	-	-	21	17
TRITICALE					
STAN I	55	49.7	-	1,412	-
CHARLIE	49	46.3	-	1,337	-
THOMAS	44	46.0	-	1,228	-
BEAGLE 82	39	45.0	-	1,417	-
COUNCIL	39	39.2	-	1,408	-
MORRISON	34	47.3	34	1,346	2,224
FLORICO	34	48.2	-	919	-
JENKINS	32	48.4	-	1,340	2,371
FLORIDA 201	24	45.7	15	1,151	-
TEST MEAN	39	-	25	1,284	2,298
L.S.D. (.10)	11	-	12	329	382
C.V. (%)	19	-	35	18	12

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			1988 AVERAGE LODGING	HEIGHT	1/10 HEADED	TEST WT.
	1988	2-YR.	3-YR.	1988	2-YR.	3-YR.	1988	2-YR.	3-YR.				
	BU.	BU.	BU.	BU.	BU.	BU.	LB.	LB.	LB.	PCT.	IN.	DATE	LB./BU.
WHEAT[1/]													
COKER EH 8504	55	44	-	40	-	-	4,906	-	-	1	36	4- 7	56.4
PIONEER 2555	52	-	-	-	-	-	-	-	-	0	38	4-14	55.7
COKER 9766	51	46	-	20	-	-	4,908	-	-	3	35	4- 8	53.7
COKER 983	50	41	34	34	32	30	4,468	3,856	3,252	1	32	4- 8	56.4
FLORIDA 302	50	44	40	36	34	32	4,678	4,163	3,595	1	37	4- 7	53.0
COKER EH 8600	49	-	-	-	-	-	-	-	-	0	40	4- 4	54.0
COKER EH 8505	49	-	-	-	-	-	-	-	-	0	40	4- 4	53.1
WILLIAMS	47	40	-	-	-	-	5,922	-	-	0	40	4-13	54.8
COKER 84A-77	47	-	-	-	-	-	-	-	-	5	37	4- 5	53.8
HW 3015	46	40	39	-	-	-	-	-	-	5	34	4- 1	-
TERRAL 812	45	37	34	23	25	24	4,445	3,731	3,128	2	37	4- 7	54.9
TRAVELER	45	-	-	-	-	-	-	-	-	1	37	4- 1	53.4
MCNAIR 1003	45	42	38	29	29	31	5,150	4,846	4,143	3	37	4- 7	51.3
MASSEY	43	36	33	27	27	31	5,155	4,651	4,033	3	38	4- 6	54.0
PIONEER 2551	42	37	35	10	22	29	5,303	4,634	4,109	2	35	4-17	52.9
SALUDA	41	38	36	4	15	23	5,786	5,317	4,592	2	35	4-16	57.4
STACY	41	35	34	21	23	26	5,632	5,047	4,421	4	42	4-14	56.2
FLORIDA 303	40	-	-	-	-	-	-	-	-	5	36	3-30	54.3
COKER 916	40	35	33	28	29	26	4,883	4,164	3,593	6	36	4-10	55.5
COKER 9733	40	34	-	31	-	-	-	-	-	2	39	4- 6	56.2
COMPTON	39	34	33	11	21	28	5,030	4,743	4,299	3	37	4-18	56.2
COKER 9227	38	35	30	30	33	28	4,541	3,903	3,265	2	36	4- 5	56.6
BRADFORD	38	32	29	31	28	28	4,736	4,391	3,772	5	43	4-10	56.0
STEELE	37	32	-	12	-	-	-	-	-	5	35	4-15	53.9
AUBURN	37	31	29	-	-	-	4,156	4,041	3,644	0	39	4-19	54.6
ADDER	37	33	33	21	26	29	4,666	4,279	3,725	2	34	4-14	54.5
FILLMORE	34	29	27	-	-	-	4,333	4,088	3,687	5	40	4-20	53.7
FL 7927-G29	34	-	-	-	-	-	-	-	-	2	38	3-30	52.6
CALDWELL	33	29	28	8	18	23	4,333	4,203	3,864	5	36	4-19	55.1
MAGNUM	33	30	30	19	25	26	4,857	4,404	3,724	1	36	4-15	56.6
FLORIDA 301	27	24	-	-	-	-	4,375	3,906	3,367	6	40	3-30	53.3
FL 301 H6	25	-	-	-	-	-	-	-	-	5	42	3-30	54.5
TERRAL 817	-	-	-	29	30	26	-	-	-	8	33	4-13	53.2
COKER 9323	-	-	-	26	29	27	4,654	4,003	3,354	7	28	4-14	53.0
TEST MEAN	42	36	33	23	26	27	4,860	4,335	3,767	3	37	-	-
L.S.D. (.10)	9	8	8	5	5	5	821	743	647	-	-	-	-
C.V. (%)	17	18	19	15	14	13	13	13	13	-	-	-	-
OATS													
FLORIDA 502	47	46	51	-	-	-	5,429	5,470	4,731	2	43	4- 3	30.6
SIMPSON	47	-	-	-	-	-	5,753	-	-	1	50	4-13	31.7
CITATION	44	55	59	-	-	-	5,742	5,698	5,060	1	47	4- 9	28.3
FLORIDA 501	39	44	48	-	-	-	5,069	4,874	4,323	17	45	4- 2	30.8
HARPOOL 833	37	48	54	-	-	-	5,259	5,206	4,824	1	45	4-13	30.6
COKER 820	35	46	51	-	-	-	5,957	5,723	5,116	7	44	4- 1	31.6
COKER 227	32	46	50	-	-	-	6,060	5,779	5,232	1	48	4- 8	29.9
COKER 716	-	-	-	-	-	-	5,456	5,293	4,777	-	-	-	-
TEST MEAN	40	47	52	-	-	-	5,591	5,435	4,866	4	46	-	-
L.S.D. (.10)	15	14	14	-	-	-	827	853	747	-	-	-	-
C.V. (%)	27	22	20	-	-	-	11	12	11	-	-	-	-

CONTINUED

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			1988 AVERAGE LODGING	HEIGHT	1/10 HEADED	TEST WT.
	1988 BU.	2-YR. BU.	3-YR. BU.	1988 BU.	2-YR. BU.	3-YR. BU.	1988 LB.	2-YR. LB.	3-YR. LB.	PCT.	IN.	DATE	LB./BU.
RYE 2/													
GI 87	-	-	-	-	-	-	6,431 4/	-	-	-	-	-	-
WWG-1	-	-	-	-	-	-	5,483	-	-	-	-	-	-
WINTERGRAZER 70	-	-	-	-	-	-	5,379	5,276	4,797	-	-	-	-
MATON	-	-	-	-	-	-	5,366	5,344	4,826	-	-	-	-
N.K. VITAGRAZE	-	-	-	-	-	-	5,292	5,097	4,427	-	-	-	-
NF 73	-	-	-	-	-	-	5,283	5,311	-	-	-	-	-
NF 142	-	-	-	-	-	-	5,227	5,189	-	-	-	-	-
WREN'S ABRUZZI	-	-	-	-	-	-	5,216	5,090	4,493	-	-	-	-
DOSSCO GRAZER II	-	-	-	-	-	-	5,202	-	-	-	-	-	-
GI 85	-	-	-	-	-	-	5,182	5,207	4,651	-	-	-	-
GURLEY'S ABRUZZI	-	-	-	-	-	-	5,091	-	-	-	-	-	-
BONEL	-	-	-	-	-	-	5,075	5,162	4,750	-	-	-	-
ELBON	-	-	-	-	-	-	5,068	5,011	4,519	-	-	-	-
GI 87X	-	-	-	-	-	-	5,054	5,189	4,619	-	-	-	-
FORAGER	-	-	-	-	-	-	4,968	5,081	4,516	-	-	-	-
UNDERWOOD EXP 845	-	-	-	-	-	-	4,916	-	-	-	-	-	-
DOSSCO EXP PRI	-	-	-	-	-	-	4,908	5,002	-	-	-	-	-
GI 88	-	-	-	-	-	-	4,897	-	-	-	-	-	-
AFC 20-10	-	-	-	-	-	-	4,891	-	-	-	-	-	-
AFC 20-20	-	-	-	-	-	-	4,886	5,074	4,542	-	-	-	-
GURLEY'S GRAZER 2000	-	-	-	-	-	-	4,815	4,953	4,430	-	-	-	-
UNDERWOOD EXP 425	-	-	-	-	-	-	4,799	-	-	-	-	-	-
FLORIDA 402	-	-	-	-	-	-	4,756	-	-	-	-	-	-
UNDERWOOD EXP 428	-	-	-	-	-	-	4,642	-	-	-	-	-	-
FL-SYN-T	-	-	-	-	-	-	4,488	4,858	4,245	-	-	-	-
N.K. SS-1	-	-	-	-	-	-	4,403	4,638	4,088	-	-	-	-
FLORIDA 401	-	-	-	-	-	-	4,234	4,211	3,724	-	-	-	-
VAN DER HAVE VDH/O 018	-	-	-	-	-	-	4,099	-	-	-	-	-	-
TEST MEAN	-	-	-	-	-	-	5,002	5,041	4,473	-	-	-	-
L.S.D. (.10)	-	-	-	-	-	-	898	843	777	-	-	-	-
C.V. (%)	-	-	-	-	-	-	13	12	13	-	-	-	-
TRITICALE 3/													
FLORICO	49	-	-	-	-	-	3,363	3,558	-	23	45	3-21	50.0
MORRISON	47	37	35	17	19	27	4,667	4,477	4,068	7	51	4- 5	49.4
BEAGLE 82	47	36	-	23	22	-	3,595	3,612	-	9	44	3-25	45.0
THOMAS	45	-	-	22	-	-	4,547	4,335	-	3	49	4- 9	46.7
FLORIDA 201	45	36	30	29	25	-	3,165	3,284	-	19	41	3-25	45.8
STAN I	41	-	-	-	-	-	4,495	-	-	3	51	4-18	47.8
COUNCIL	37	27	26	8	7	12	4,721	2,751	2,743	12	47	4-10	44.1
CHARLIE	26	-	-	-	-	-	4,196	-	-	23	57	4-24	43.4
JENKINS	23	16	-	5	7	-	3,697	3,946	3,728	24	55	4-25	45.5
TEST MEAN	40	31	30	17	16	20	4,049	3,709	3,513	14	49	-	-
L.S.D. (.10)	10	9	9	8	6	6	445	1,090	970	-	-	-	-
C.V. (%)	18	23	23	31	28	22	8	22	20	-	-	-	-

1/ WHEAT FORAGE YIELDS ARE FROM CAMDEN, BREWTON, HEADLAND, AND MONROEVILLE.
2/ RYE FORAGE YIELDS ARE FROM BREWTON, FAIRHOPE, HEADLAND, AND MONROEVILLE.
3/ TRITICALE FORAGE YIELDS ARE FROM FAIRHOPE ONLY.
4/ GI 87 WAS NOT GROWN AT FAIRHOPE.

TABLE 11. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
WHEAT							
PIONEER 2555	68	50.7	-	-	-	-	-
COKER 983	57	49.6	37	34	30	5,045	3,383
COKER EH 8504	56	50.5	-	40	-	5,211	-
FLORIDA 302	55	49.2	39	36	32	4,926	3,538
WILLIAMS	52	49.2	-	-	-	5,386	-
COKER EH 8600	52	49.7	-	-	-	-	-
COMPTON	52	51.2	39	11[1/]	28	5,082	4,034
COKER 9766	51	50.5	-	20[1/]	-	5,230	-
PIONEER 2551	50	47.4	39	10[1/]	29	5,291	4,023
STEELE	49	49.5	-	12[1/]	-	-	-
STACY	45	50.0	36	21	26	5,176	4,084
BRADFORD	44	51.2	32	31	28	5,121	3,852
FLORIDA 303	43	50.1	-	-	-	-	-
ADDER	43	50.4	34	21	29	4,775	3,597
MASSEY	41	50.5	30	27	31	5,240	4,086
SALUDA	41	52.2	34	4[1/]	23	5,604	4,463
TRAVELER	41	48.2	-	-	-	-	-
COKER 916	38	51.4	28	28	26	5,114	3,588
COKER EH 8505	38	48.6	-	-	-	-	-
COKER 84A-77	38	49.1	-	-	-	-	-
COKER 9733	35	-	-	31	-	-	-
HW 3015	35	-	38	-	-	-	-
CALDWELL	35	51.0	31	8[1/]	23	4,713	3,783
TERRAL 812	34	46.8	27	23	24	4,754	3,351
MCNAIR 1003	34	47.6	32	29	31	5,062	4,023
FL 7927-G29	34	49.0	-	-	-	-	-
AUBURN	32	46.8	28	-	-	4,270	3,545
MAGNUM	29	-	24	19	26	4,142	3,282
FILLMORE	28	48.4	24	-	-	4,760	3,837
FLORIDA 301	28	49.6	-	-	-	3,983	3,214
COKER 9227	27	50.1	23	30	28	4,694	3,176
FL 301 H6	26	-	-	-	-	-	-
TERRAL 817	-	-	-	29	26	-	-
COKER 9323	-	46.8	-	26	27	4,654	3,463
TEST MEAN	42	-	32	23	27	4,920	3,701
L.S.D. (.10)	13	-	10	5	5	455	399
C.V. (%)	22	-	23	15	13	7	8

CONTINUED

1/ ANIMALS SELECTIVELY GRAZED THESE ENTRIES SEVERELY IN EARLY APRIL.

TABLE 11. PERFORMANCE OF SMALL GRAINS AT CAMDEN, ALABAMA, 1988

CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			GRAIN AFTER GRAZING YIELD/ACRE		FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	BU.	BU.	LB.	LB.
OATS 1/							
SIMPSON	46	24.5	-	-	-	5,732	-
CITATION	27	25.4	62	-	-	4,454	4,334
HARPOOL 833	17	20.6	57	-	-	4,886	4,772
COKER 227	17	17.4	52	-	-	5,213	4,825
FLORIDA 501	15	20.2	41	-	-	3,644	3,887
COKER 820	13	24.2	49	-	-	4,997	4,475
FLORIDA 502	13	23.4	35	-	-	3,912	3,935
COKER 716	-	-	-	-	-	5,509	4,826
TEST MEAN	21	-	49	-	-	4,793	4,436
L.S.D. (.10)	7	-	11	-	-	525	472
C.V. (%)	22	-	17	-	-	8	8
TRITICALE 2/							
MORRISON	49	-	37	17 2/	28	-	-
STAN I	48	-	-	-	-	-	-
THOMAS	45	-	-	22 2/	-	-	-
COUNCIL	33	-	25	8 2/	13	-	-
FLORICO	32	-	-	-	-	-	-
FLORIDA 201	32	-	27	29	-	-	-
CHARLIE	32	-	-	-	-	-	-
BEAGLE 82	31	-	-	23 2/	-	-	-
JENKINS	29	-	-	5 2/	-	-	-
TEST MEAN	37	-	29	17	20	-	-
L.S.D. (.10)	6	-	8	8	6	-	-
C.V. (%)	12	-	19	31	22	-	-

1/ BIRD DAMAGE WAS 60 TO 80 PERCENT LOSS ON ALL OATS GRAIN YIELDS.
2/ ANIMALS SELECTIVELY GRAZED THESE ENTRIES SEVERELY IN EARLY APRIL.

TABLE 12. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER EH 8504	68	59.3	-	5,666	-
COKER 84A-77	62	56.7	-	-	-
COKER 983	62	59.7	48	4,468	3,139
COKER EH 8600	58	57.9	-	-	-
TERRAL 812	57	59.7	50	3,945	2,706
PIONEER 2555	55	56.3	-	-	-
MCNAIR 1003	55	53.9	52	4,983	3,779
COKER 9766	55	56.9	-	4,871	-
TRAVELER	53	56.3	-	-	-
COKER 916	53	58.2	45	5,391	3,658
WILLIAMS	53	57.2	-	6,193	-
SALUDA	50	59.8	52	6,719	4,983
COKER 9227	49	58.6	43	4,721	3,021
COKER EH 8505	49	56.2	-	-	-
MASSEY	49	57.6	40	5,012	3,975
HW 3015	48	-	47	-	-
FLORIDA 302	48	56.5	46	5,019	3,370
STEELE	48	53.4	-	-	-
STACY	45	57.2	45	5,095	4,132
AUBURN	43	53.9	36	3,840	3,370
FILLMORE	40	52.9	35	3,981	3,431
COMPTON	40	56.8	41	5,450	4,517
ADDER	40	54.9	43	4,710	3,505
MAGNUM	38	56.7	41	3,956	3,198
BRADFORD	38	59.2	35	4,800	3,695
CALDWELL	37	54.1	36	4,356	4,056
COKER 9733	37	57.6	-	-	-
PIONEER 2551	36	50.9	40	5,789	4,285
FLORIDA 303	31	56.5	-	-	-
FL 7927-G29	26	55.4	-	-	-
FL 301 H6	17	55.4	-	-	-
FLORIDA 301	14	54.1	-	4,912	3,496
TEST MEAN	45	-	43	4,946	3,684
L.S.D. (.10)	11	-	10	951	686
C.V. (%)	18	-	17	14	14
OATS 1/					
FLORIDA 502	51	32.7	83	5,214	4,558
SIMPSON	32	33.1	-	5,262	-
CITATION	22	-	76	5,371	4,646
COKER 227	16	31.5	72	5,262	5,064
HARPOOL 833	12	32.5	64	4,205	4,137
FLORIDA 501	11	31.7	66	4,089	4,023
COKER 820	3	33.1	65	5,453	4,889
COKER 716	-	-	-	5,309	4,698
TEST MEAN	21	-	71	5,021	4,574
L.S.D. (.10)	26	-	18	1,322	1,047
C.V. (%)	83	-	18	18	17

CONTINUED

1/ BIRD DAMAGE ON OATS YIELD WAS 50 TO 95 PERCENT LOSS.

TABLE 12. PERFORMANCE OF SMALL GRAINS AT MONROEVILLE, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
WWG-1	-	-	-	6,579	-
GI 87	-	-	-	6,016	-
WREN'S ABRUZZI	-	-	-	5,702	4,719
GI 85	-	-	-	5,160	4,721
ELBON	-	-	-	5,135	4,406
N.K. VITAGRAZE	-	-	-	5,099	4,222
DOSSCO GRAZER II	-	-	-	5,090	-
AFC 20-10	-	-	-	5,013	-
GI 87X	-	-	-	4,979	4,341
GURLEY'S ABRUZZI	-	-	-	4,923	-
GURLEY'S GRAZER 2000	-	-	-	4,878	4,243
UNDERWOOD EXP 845	-	-	-	4,860	-
FORAGER	-	-	-	4,854	4,240
NF 73	-	-	-	4,739	-
GI 88	-	-	-	4,713	-
NF 142	-	-	-	4,664	-
DOSSCO EXP PRI	-	-	-	4,607	-
BONEL	-	-	-	4,560	4,446
MATON	-	-	-	4,541	4,559
UNDERWOOD EXP 428	-	-	-	4,301	-
FLORIDA 402	-	-	-	4,292	-
AFC 20-20	-	-	-	4,292	4,334
WINTERGRAZER 70	-	-	-	4,270	4,187
N.K. SS-1	-	-	-	4,200	3,761
UNDERWOOD EXP 425	-	-	-	3,883	-
FL-SYN-T	-	-	-	3,700	3,654
FLORIDA 401	-	-	-	3,562	3,267
VAN DER HAVE VDH/O 018	-	-	-	3,354	-
TEST MEAN	-	-	-	4,713	4,221
L.S.D. (.10)	-	-	-	1,021	815
C.V. (%)	-	-	-	16	14
TRITICALE					
FLORIDA 201	48	47.9	39	-	-
THOMAS	45	45.7	-	-	-
BEAGLE 82	41	45.8	-	-	-
FLORICO	40	50.4	-	-	-
MORRISON	40	47.1	36	-	-
STAN I	33	43.4	-	-	-
COUNCIL	33	41.6	-	-	-
CHARLIE	17	40.6	-	-	-
JENKINS	15	44.2	-	-	-
TEST MEAN	35	-	38	-	-
L.S.D. (.10)	15	-	14	-	-
C.V. (%)	30	-	27	-	-

TABLE 13. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
WILLIAMS	38	55.4	-	5,064	-
PIONEER 2555	37	57.1	-	-	-
COKER EH 8505	36	51.4	-	-	-
SALUDA	35	58.6	37	4,833	4,131
COKER 9766	34	52.2	-	4,007	-
FLORIDA 302	34	50.6	36	3,886	3,439
COKER EH 8504	33	55.0	-	3,938	-
COKER 983	32	56.4	28	4,026	3,155
TERRAL 812	32	53.1	28	3,757	2,997
COKER EH 8600	32	50.7	-	-	-
COMPTON	31	58.9	28	3,625	3,431
COKER 84A-77	30	52.5	-	-	-
MASSEY	30	53.2	29	4,380	3,457
MCNAIR 1003	30	48.8	30	4,041	3,402
CALDWELL	30	57.4	29	3,357	2,962
STACY	28	56.9	28	4,697	3,799
TRAVELER	28	51.7	-	-	-
MAGNUM	28	58.5	26	4,140	3,307
PIONEER 2551	28	53.3	29	4,218	3,516
ADDER	27	54.6	26	3,545	3,099
HW 3015	26	-	31	-	-
STEELE	26	55.6	-	-	-
COKER 916	26	55.7	30	4,485	3,455
AUBURN	24	57.2	21	3,470	3,081
BRADFORD	23	56.2	27	4,255	3,344
FLORIDA 303	23	50.2	-	-	-
FILLMORE	23	52.0	24	3,671	2,953
COKER 9227	22	56.2	23	3,648	3,145
FL 301 H6	20	52.5	-	-	-
COKER 9733	19	55.7	-	-	-
FL 7927-G29	18	46.3	-	-	-
FLORIDA 301	17	51.2	-	3,384	3,080
TEST MEAN	28	-	28	4,020	3,320
L.S.D. (.10)	6	-	6	505	513
C.V. (%)	16	-	15	9	11

CONTINUED

TABLE 13. PERFORMANCE OF SMALL GRAINS AT BREWTON, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
OATS 1/					
CITATION	45	31.3	68	4,831	4,431
COKER 227	30	29.4	47	4,831	4,081
FLORIDA 501	30	29.5	37	4,590	4,145
HARPOOL 833	28	29.1	56	4,607	4,350
SIMPSON	28	28.8	-	5,263	-
COKER 820	24	28.2	47	4,779	4,788
FLORIDA 502	21	25.4	31	4,513	3,756
COKER 716	-	-	-	4,917	4,132
TEST MEAN	29	-	48	4,791	4,240
L.S.D. (.10)	6	-	11	414	453
C.V. (%)	15	-	17	6	8
RYE					
NF 73	-	-	-	4,916	-
WWG-1	-	-	-	4,814	-
GI 87	-	-	-	4,812	-
GI 87X	-	-	-	4,788	4,520
MATON	-	-	-	4,759	4,363
DOSSCO GRAZER II	-	-	-	4,733	-
NF 142	-	-	-	4,676	-
GI 85	-	-	-	4,665	4,545
DOSSCO EXP PRI	-	-	-	4,611	-
ELBON	-	-	-	4,611	4,158
BONEL	-	-	-	4,577	4,432
WINTERGRAZER 70	-	-	-	4,513	4,688
GURLEY'S ABRUZZI	-	-	-	4,489	-
GI 88	-	-	-	4,474	-
UNDERWOOD EXP 845	-	-	-	4,470	-
AFC 20-10	-	-	-	4,444	-
WREN'S ABRUZZI	-	-	-	4,308	3,946
UNDERWOOD EXP 425	-	-	-	4,215	-
AFC 20-20	-	-	-	4,211	4,153
GURLEY'S GRAZER 2000	-	-	-	4,181	3,935
N.K. VITAGRAZE	-	-	-	4,142	3,880
FORAGER	-	-	-	4,121	4,010
UNDERWOOD EXP 428	-	-	-	4,072	-
FLORIDA 401	-	-	-	3,978	3,317
N.K. SS-1	-	-	-	3,956	3,870
FLORIDA 402	-	-	-	3,933	-
VAN DER HAVE VDH/O 018	-	-	-	3,798	-
FL-SYN-T	-	-	-	3,669	3,513
TEST MEAN	-	-	-	4,391	4,095
L.S.D. (.10)	-	-	-	446	612
C.V. (%)	-	-	-	7	11

1/ SEVERE BIRD DAMAGE TO OATS ENTRIES IN 1988.

TABLE 14. PERFORMANCE OF SMALL GRAINS AT HEADLAND, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988 TEST WT.		3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
COKER EH 8505	58	56.5	-	-	-
COKER 9766	56	57.4	-	5,521	-
TRAVELER	54	57.0	-	-	-
FLORIDA 302	53	57.6	41	4,881	3,628
PIONEER 2555	53	58.4	-	-	-
COKER EH 8504	53	59.5	-	4,808	-
HW 3015	52	-	45	-	-
MASSEY	51	56.5	43	5,990	4,594
FLORIDA 303	51	59.0	-	-	-
MCNAIR 1003	51	57.0	46	6,514	5,209
FLORIDA 301	51	57.5	-	5,223	3,558
TERRAL 812	51	59.4	34	5,324	3,182
COKER EH 8600	49	58.9	-	-	-
FL 7927-G29	48	56.8	-	-	-
WILLIAMS	47	58.6	-	7,047	-
COKER 9733	46	58.9	-	-	-
COKER 983	45	60.2	27	4,333	2,803
COKER 9227	44	60.4	31	5,102	3,279
STACY	44	59.1	36	7,561	5,818
COKER 84A-77	44	58.0	-	-	-
FL 301 H6	44	58.2	-	-	-
PIONEER 2551	42	58.3	39	5,915	4,677
BRADFORD	40	57.4	26	4,767	3,888
AUBURN	37	59.3	34	5,043	4,175
COKER 916	37	58.0	30	4,545	3,056
COMPTON	36	58.2	34	5,965	4,761
SALUDA	34	59.6	34	5,987	4,625
ADDER	32	57.6	30	5,636	4,390
MAGNUM	31	57.7	31	7,190	4,737
FILLMORE	31	59.2	27	4,919	3,941
CALDWELL	28	58.2	23	4,906	3,990
STEELE	19	56.1	-	-	-
TEST MEAN	44	-	34	5,580	4,128
L.S.D. (.10)	8	-	8	1,204	886
C.V. (%)	13	-	18	16	16
OATS					
FLORIDA 502	88	39.1	73	7,481	6,259
FLORIDA 501	73	38.5	65	6,577	4,718
COKER 820	69	38.4	63	7,425	5,682
CITATION	67	-	61	7,590	6,269
HARPOOL 833	64	37.6	63	5,887	5,491
SIMPSON	63	39.1	-	6,157	-
COKER 227	42	38.0	50	7,631	6,022
COKER 716	-	-	-	5,430	4,745
TEST MEAN	67	-	63	6,772	5,598
L.S.D. (.10)	13	-	17	1,169	997
C.V. (%)	13	-	19	12	13

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TABLE 14. PERFORMANCE OF SMALL GRAINS AT HEADLAND, ALABAMA, 1988 CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
WINTERGRAZER 70	-	-	-	8,566	6,056
GI 87	-	-	-	8,466	-
N.K. VITAGRAZE	-	-	-	8,267	5,984
MATON	-	-	-	7,957	6,071
WREN'S ABRUZZI	-	-	-	7,502	5,667
UNDERWOOD EXP 425	-	-	-	7,482	-
DOSSCO GRAZER II	-	-	-	7,416	-
FLORIDA 402	-	-	-	7,393	-
NF 142	-	-	-	7,339	-
NF 73	-	-	-	7,331	-
FL-SYN-T	-	-	-	7,324	5,981
GURLEY'S ABRUZZI	-	-	-	7,314	-
DOSSCO EXP PRI	-	-	-	7,307	-
AFC 20-20	-	-	-	7,277	5,980
GI 85	-	-	-	7,238	5,548
UNDERWOOD EXP 428	-	-	-	7,182	-
FORAGER	-	-	-	7,160	5,784
UNDERWOOD EXP 845	-	-	-	7,086	-
BONEL	-	-	-	7,017	5,792
WWG-1	-	-	-	6,956	-
GURLEY'S GRAZER 2000	-	-	-	6,930	5,555
GI 87X	-	-	-	6,761	5,505
GI 88	-	-	-	6,744	-
FLORIDA 401	-	-	-	6,727	5,124
ELBON	-	-	-	6,612	5,150
AFC 20-10	-	-	-	6,413	-
N.K. SS-1	-	-	-	6,393	5,114
VAN DER HAVE VDH/O 018	-	-	-	6,096	-
TEST MEAN	-	-	-	7,223	5,665
L.S.D. (.10)	-	-	-	1,362	1,184
C.V. (%)	-	-	-	14	15
TRITICALE					
FLORICO	78	52.2	-	-	-
BEAGLE 82	72	48.8	-	-	-
FLORIDA 201	58	50.4	45	-	-
MORRISON	52	50.4	42	-	-
THOMAS	49	49.1	-	-	-
COUNCIL	45	46.7	32	-	-
STAN I	42	51.3	-	-	-
CHARLIE	33	43.9	-	-	-
JENKINS	24	45.9	-	-	-
TEST MEAN	50	-	40	-	-
L.S.D. (.10)	11	-	10	-	-
C.V. (%)	15	-	19	-	-

TABLE 15. PERFORMANCE OF SMALL GRAINS AT FAIRHOPE, ALABAMA, 1988

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
WHEAT					
HW 3015	69	-	36	-	-
COKER EH 8504	65	54.6	-	-	-
COKER EH 8505	64	52.7	-	-	-
COKER 84A-77	61	52.8	-	-	-
COKER 9733	60	56.7	-	-	-
COKER 9766	59	51.5	-	-	-
FLORIDA 302	58	50.5	38	-	-
COKER EH 8600	57	52.8	-	-	-
MCNAIR 1003	53	49.7	30	-	-
COKER 983	52	54.7	27	-	-
TERRAL 812	52	53.0	30	-	-
FLORIDA 303	52	55.8	-	-	-
PIONEER 2551	51	54.7	25	-	-
TRAVELER	49	53.6	-	-	-
COKER 9227	48	55.0	28	-	-
PIONEER 2555	48	55.8	-	-	-
FILLMORE	47	55.9	27	-	-
AUBURN	47	55.7	28	-	-
WILLIAMS	46	53.7	-	-	-
SALUDA	46	57.0	25	-	-
BRADFORD	46	56.1	26	-	-
MASSEY	45	51.8	21	-	-
STEELE	44	54.9	-	-	-
COKER 916	44	53.0	30	-	-
STACY	43	55.9	23	-	-
FL 7927-G29	42	55.6	-	-	-
ADDER	42	54.1	32	-	-
COMPTON	39	56.7	22	-	-
MAGNUM	36	56.3	29	-	-
CALDWELL	36	56.4	21	-	-
FLORIDA 301	28	54.2	-	-	-
FL 301 H6	17	52.1	-	-	-
TEST MEAN	48	-	28	-	-
L.S.D. (.10)	9	-	7	-	-
C.V. (%)	13	-	19	-	-
OATS					
FLORIDA 501	69	34.3	29	6,445	4,844
SIMPSON	67	32.9	-	6,353	-
COKER 820	66	34.2	33	7,132	5,748
FLORIDA 502	64	32.4	32	6,027	5,149
HARPOOL 833	61	33.4	29	6,709	5,371
CITATION	59	-	27	6,465	5,622
COKER 227	56	33.4	29	7,364	6,166
COKER 716	-	-	-	6,115	5,486
TEST MEAN	63	-	30	6,576	5,484
L.S.D. (.10)	19	-	13	502	608
C.V. (%)	21	-	32	5	8

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TABLE 15. PERFORMANCE OF SMALL GRAINS AT FAIRHOPE, ALABAMA, 1988
CONTINUED

BRAND-VARIETY	GRAIN ONLY YIELD/ACRE			FORAGE ONLY YIELD/ACRE	
	1988	TEST WT.	3-YR. AV.	1988	3-YR. AV.
	BU.	LB./BU.	BU.	LB.	LB.
RYE					
NF 142	-	-	-	4,229	-
MATON	-	-	-	4,209	4,703
WINTERGRAZER 70	-	-	-	4,168	4,310
BONEL	-	-	-	4,147	4,622
NF 73	-	-	-	4,144	-
ELBON	-	-	-	3,913	4,565
AFC 20-20	-	-	-	3,765	3,971
FORAGER	-	-	-	3,738	3,935
AFC 20-10	-	-	-	3,693	-
GI 87X	-	-	-	3,687	4,239
GI 85	-	-	-	3,666	4,012
N.K. VITAGRAZE	-	-	-	3,660	3,801
GI 88	-	-	-	3,656	-
GURLEY'S ABRUZZI	-	-	-	3,636	-
UNDERWOOD EXP 425	-	-	-	3,615	-
WWG-1	-	-	-	3,581	-
DOSSCO GRAZER II	-	-	-	3,568	-
FLORIDA 402	-	-	-	3,405	-
WREN'S ABRUZZI	-	-	-	3,352	3,727
GURLEY'S GRAZER 2000	-	-	-	3,270	4,067
FL-SYN-T	-	-	-	3,260	4,073
UNDERWOOD EXP 845	-	-	-	3,246	-
VAN DER HAVE VDH/O 018	-	-	-	3,148	-
DOSSCO EXP PRI	-	-	-	3,104	-
N.K. SS-1	-	-	-	3,063	3,614
UNDERWOOD EXP 428	-	-	-	3,011	-
FLORIDA 401	-	-	-	2,669	3,149
TEST MEAN	-	-	-	3,578	4,056
L.S.D. (.10)	-	-	-	441	482
C.V. (%)	-	-	-	9	9
TRITICALE					
MORRISON	48	50.8	26	4,667	4,640
FLORICO	44	47.5	-	3,363	-
BEAGLE 82	43	46.7	-	3,595	-
THOMAS	43	45.2	-	4,547	-
FLORIDA 201	42	46.6	21	3,165	-
STAN I	41	48.8	-	4,495	-
COUNCIL	35	44.1	19	4,721	-
JENKINS	23	46.3	-	3,697	5,126
CHARLIE	21	45.8	-	4,196	-
TEST MEAN	38	-	22	4,049	4,883
L.S.D. (.10)	7	-	6	445	720
C.V. (%)	13	-	18	8	11

Table 16. Septoria Blotch Ratings for Wheat Varieties in Alabama, 1987-88[1/]

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Adder	1.7	3.7	1.2
Auburn	-	2.7	1.2
Bradford	2.0	3.0	1.6
Caldwell	2.7	2.7	1.6
Coker 916	2.3	3.7	2.0
Coker 983	3.0	3.7	1.8
Coker 9227	-	4.0	2.0
Coker 9323	2.0	4.3	2.2
Coker 9733	-	3.3	2.4
Coker 9766	1.7	3.7	1.0
Coker 84A-77	1.3	3.0	2.6
Coker EH 8504	2.3	3.3	1.8
Coker EH 8505	3.0	4.3	2.0
Coker EH 8600	2.0	4.0	2.4
Compton	1.7	5.3	.8
Fillmore	1.7	1.7	2.4
FL 301 H6	3.0	5.0	3.8
FL 7927 G-29	2.7	4.7	4.0
Florida 301	-	-	3.8
Florida 302	1.7	4.3	2.0
Florida 303	3.0	5.0	4.4
Lincoln	2.0	2.3	-
Magnum	3.0	-	1.6
Massey	1.7	4.7	2.0
McNair 1003	3.0	4.3	2.4
Pioneer 2550	1.7	1.7	-
Pioneer 2551	3.0	2.7	.8
Pioneer 2555	2.7	3.3	1.8
Saluda	2.0	3.3	2.0
Stacy	1.7	3.3	1.4
Steele	3.7	3.0	1.0
Terral 812	2.3	4.0	2.2
Terral 817	-	3.7	-
Traveler	4.0	4.7	4.2
Tyler	2.0	2.7	-
Williams	2.3	5.0	2.2

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

Table 17. Leaf Rust Ratings for Wheat Varieties in Alabama, 1987-88[1/]

Brand-variety	Northern Alabama	Central Alabama	Southern Alabama
Adder	0	1.0	.2
Auburn	-	0	.2
Bradford	0	.3	.4
Caldwell	0	0	0
Coker 916	0	1.0	.6
Coker 983	0	2.0	.6
Coker 9227	0	1.7	.4
Coker 9323	0	0	0
Coker 9733	-	0	0
Coker 9766	0	0	0
Coker 84A-77	.5	0	0
Coker EH 8504	0	1.0	0
Coker EH 8505	0	2.0	.4
Coker EH 8600	0	1.0	.4
Compton	0	0	.2
Fillmore	0	.3	0
FL 301 H6	0	1.3	.4
FL 7927 G-29	0	0	.5
Florida 301	-	-	.6
Florida 302	0	.3	.2
Florida 303	0	.3	0
Lincoln	0	.7	-
Magnum	0	-	0
Massey	3.0	4.3	3.0
McNair 1003	0	1.3	1.0
Pioneer 2550	0	2.0	-
Pioneer 2551	0	0	0
Pioneer 2555	0	.7	.8
Saluda	0	2.3	1.2
Stacy	0	.3	.4
Steele	0	.7	0
Terral 812	0	1.3	0
Terral 817	-	0	-
Traveler	0	1.3	.2
Tyler	.5	3.0	-
Williams	0	1.3	.2

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

Table 18. Anthracnose Ratings for Wheat Varieties in Alabama, 1987-88[1/]

Brand-variety	Northern[2/] Alabama	Central[3/] Alabama	Southern[4/] Alabama
Adder	0	1.5	0
Auburn	-	.5	0
Bradford	0	0	.5
Caldwell	4	3.5	1.5
Coker 916	0	1.5	0.5
Coker 983	0	0	0
Coker 9227	-	0	.5
Coker 9323	4	2	1.5
Coker 9733	-	0	0
Coker 9766	0	2.5	.5
Coker 84A-77	2	3.0	2.0
Coker EH 8504	0	0	0
Coker EH 8505	0	2.3	.5
Coker EH 8600	0	2.5	3.0
Compton	5	4.5	0
Fillmore	0	1.5	0
FL 301 H6	0	.5	0
FL 7927 G-29	0	2.5	0
Florida 301	-	-	.5
Florida 302	0	0	.5
Florida 303	0	0	0
Lincoln	1	1.5	-
Magnum	0	-	0
Massey	0	0	0
McNair 1003	0	1.5	.5
Pioneer 2550	2	4.0	-
Pioneer 2551	0	1.0	0
Pioneer 2555	0	0	1.0
Saluda	2	3.5	3.0
Stacy	0	.5	0
Steele	6	4.5	5.0
Terral 812	0	2.5	1.0
Terral 817	-	0	-
Traveler	0	0	0
Tyler	3	3.0	-
Williams	0	.5	0

1/ 0-10 scale: 0 = no disease, 10 = severe disease.
2/ Crossville only.
3/ Prattville and Marion Junction only.
4/ Brewton and Headland only.

Table 19. Disease Ratings for Barley Varieties in Alabama, 1987-88[1/]

Brand-variety	Stripe	Spot blotch	Net blotch
Northern Alabama[2/]			
Anson	1.0	3.0	1.5
Barsoy	1.0	2.5	2.0
Boone	1.5	2.5	1.5
Keowee	.5	2.5	1.0
Volbar	.5	2.0	.5
Wysor	.5	2.0	1.0
Central Alabama[3/]			
Anson	.7	5.0	3.0
Barsoy	4.0	5.0	3.0
Boone	1.0	4.3	3.7
Keowee	1.0	4.5	2.0
Volbar	1.0	4.7	1.7
Wysor	1.5	4.0	2.0

1/ 0-10 scale: 0 = no disease, 10 = severe disease.
2/ Barsoy was not rated at Crossville.
3/ Barsoy was too mature to rate at Prattville and Camphill.

Table 20. Disease Ratings for Triticale Varieties in Alabama, 1987-88[1/]

Brand-variety	Leaf rust	Septoria
Northern Alabama		
Beagle 82	0	2.3
Charlie	0	.3
Council	0	1.0
Florico	0	2.7
Florida 201	0	2.3
Jenkins	0	.3
Morrison	0	0
Stan I	0	.3
Thomas	0	.7
Central Alabama		
Beagle 82	0	6.0
Charlie	0	2.0
Council	.3	3.3
Florico	.7	5.7
Florida 201	1.3	5.7
Jenkins	0	1.3
Morrison	.7	3.0
Stan I	0	1.7
Thomas	0	4.0
Southern Alabama		
Beagle 82	0.6	3.0
Charlie	0	1.2
Council	0	1.6
Florico	0	3.2
Florida 201	0.8	5.6
Jenkins	0	1.6
Morrison	0	1.6
Stan I	0	1.0
Thomas	0	1.8

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

Table 21. Disease Ratings for Oat Varieties in Alabama, 1987-88[1/]

Brand-variety	Helminthosporium leaf spot	Smut[2/]	Septoria
Northern Alabama[3/]			
Citation	1.7	14	.3
Coker 227	1.0	24	.3
Coker 716	1.0	8	0
Coker 820	1.0	16	1.0
Florida 501	1.0	0	.7
Florida 502	.3	5	1.0
Harpool 833	.3	10	.3
Simpson	.3	0	0
Central Alabama			
Citation	3.3	0	2.0
Coker 227	1.3	22	1.0
Coker 716	2.0	0	2.0
Coker 820	2.0	3	1.7
Florida 501	2.3	0	1.3
Florida 502	2.3	0	1.7
Harpool 833	2.0	20	1.7
Simpson	1.3	0	2.0
Southern Alabama			
Citation	.8	3	.2
Coker 227	.8	17	.2
Coker 716	-	-	-
Coker 820	.6	3	.6
Florida 501	1.4	0	.8
Florida 502	.4	0	.4
Harpool 833	.6	6	.2
Simpson	.6	0	.2

1/ 0-10 scale: 0 = no disease, 10 = severe disease.
2/ Number smutted heads per row.
3/ Coker 820 was 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
Saluda	Harpool 833	Wysor
Coker 9323	Citation	Anson
Massey	Coker 227	Volbar
Pioneer Brand 2550	Coker 716	
Coker 916		
Pioneer 2551		
Florida 302		
Tyler		
McNair 1003*		
Caldwell*		

CENTRAL ALABAMA

WHEAT	OATS
Saluda	Harpool 833
Pioneer 2551	Citation
Florida 302	Coker 820
McNair 1003	Coker 716
Caldwell	
Pioneer Brand 2550	
Compton	
Coker 916	
Massey*	
Stacy*	

SOUTHERN ALABAMA

WHEAT	OATS
Florida 302	Citation
McNair 1003	Coker 227
Coker 983	
Coker 916*	
Coker 9766**	

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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	Caldwell	Coker 227	Wysor
Bonel	Massey	Coker 716	Keowee
Elbon	Fillmore	Harpool 833	Sussex
Wintergrazer 70	Compton		Barsoy*
AFC 20-20	Pioneer Brand 2550		
Gurley's Grazer 2000*	Pioneer Brand 2551		
	Stacy		
	McNair 1003		
	Saluda		

CENTRAL ALABAMA

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

SOUTHERN ALABAMA

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

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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, HW 3015	Coker's Pedigreed Seed Co. Bay, Arkansas
Florida 301, Florida 302 Florida 303, Florida 301 H6 Florida 7927-G29	Univ. of Florida Agric. Research Ctr. Quincy, Florida
Magnum, NASW 76-59 (Steele), Lincoln, Traveler	AgriPro Research Brookston, Indiana
Massey, Saluda	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Pioneer Brand 2550, 2551, and 2555	Pioneer Hi-Bred International, Inc. Tipton, Indiana
Stacy	Georgia Seed Development Comm. Athens, Georgia
Terral 812, Terral 817	Terral-Norris Seed Co. Lake Providence, Louisiana
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)	Rohm and Haas Seeds Hartsville, South Carolina
Florida 501, Florida 502	Univ. of Florida Agric. Research Center, Quincy, Florida

Harpool 833	Arkansas County Seed Stuttguart, Arkansas
Simpson	South Carolina Crop Impr. Assoc. Clemson, South Carolina
RYE	
Wren's Abruzzi	Georgia Seed Development Co. Athens, Georgia
AFC 20-10, Dossco Grazer II, WWGI	Raymond Gurley II Selma, North Carolina
Bonel, Maton, Elbon NF 73, NF 142	Noble Foundation, Ardmore, Oklahoma
Dossco Exp PRI	Dothan Seed Co. Dothan, Alabama
Florida 401, FL-Syn-T FL Exp-201ES79-1 (Florida 402)	Univ. of Florida Agric. Research Center, Quincy, Florida
Forager	Pineland Plantation Newton, Georgia
Gurley's Grazer 2000, GI-85 GI-87X, AFC 20-20, GI 87, GI 88, Gurley's Abruzzi	Gurley's, Inc. Selma, North Carolina
New N.K. SS-1 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
BARLEY	
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

TRITICALE

Beagle 82, Florida 201	Univ. of Florida Agric. Research Center, Quincy, Florida
Charlie, Stan I Jenkins	Sunseeds Trical Research 1072 Industrial St. Salinas, California
Council, Morrison, AM 4105 (Thomas)	Alabama A & M University Normal, Alabama
Florico	Mixon Seed Co., Inc. Orangeburg, South Carolina