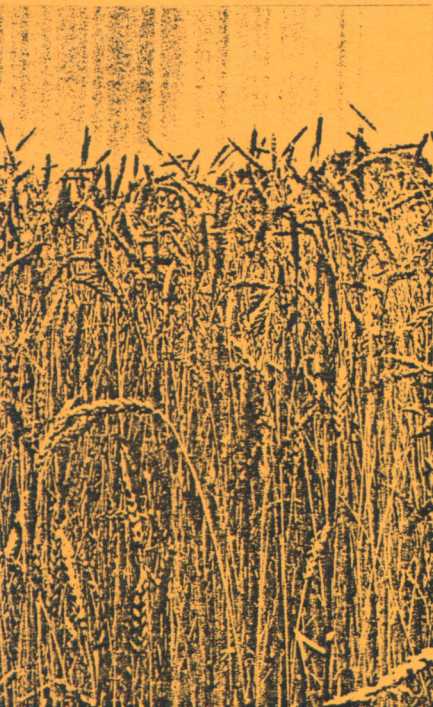


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SMALL GRAIN VARIETY REPORT 1981

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SMALL GRAIN VARIETY REPORT, 1981

Cliff G. Currier^{1/}

Introduction

Wheat, oats, barley, and rye are tested annually at several locations throughout Alabama by the Alabama Agricultural Experiment Station. These tests are designed to provide information on relative performance of varieties in given regions of the State and may not reflect absolute yielding potential. Entries selected for testing are commercially available varieties and experimental lines from public and private sources which show potential for use in Alabama.

Small grain variety tests were conducted at 12 locations during the 1980-81 season. Most variety tests were planted during the months optimal for establishment and growth (late September to early November). Good stands were obtained at all locations. Adequate rainfall and mild temperatures allowed varieties to produce large amounts of forage at most locations this season. Mild winter temperatures, with no rapid fluctuations caused little stand loss in the tests. The environmental conditions of the 1980-81 season were evidently very favorable for grain production because of the exceptionally high yields of test plots and farmer fields.

In Alabama, small grains are grown for grain only, for forage and grain, and for forage only. To evaluate performance of small grains under these three management practices, three types of tests were used. The first was managed for grain production only. The second was clipped during the fall and winter as growth permitted to simulate the affects of grazing, to evaluate forage production, and to determine the affect forage removal on subsequent grain production.

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In these plots, the final forage harvest for the season was made no later than late February, prior to jointing. In both tests, wheat, oat, and barley varieties were evaluated. The third test, at Brewton, Prattville, and Belle Mina, was clipped throughout the growing season until no regrowth occurred, for the purpose of determining total forage production of wheat, oat, barley, rye, and triticale varieties. At nine locations, varieties of rye and five varieties of triticale were tested for forage production only.

The experimental design for the tests was a split plot with species as main plots and varieties as subplots. Plots consisted of three rows spaced 10 to 12 inches apart and 16 feet long, and were replicated three times. Recommended cultural practices were followed and were the same for all entries within a management test at a location. Plots clipped for forage were fertilized with 100 pounds of nitrogen per acre at planting, and grain only plots were given 20 pounds of nitrogen per acre at planting. All plots received 60 pounds of nitrogen in late February or early March.

Forage dry matter yields were obtained by clipping the entire plot, determining percent moisture content, and converting the plot green weight to pounds of dry matter per acre. Two methods were used to harvest grain. At Marion Junction, the center row of the plot was cut by hand and threshed on a stationary thresher. At all other locations, a small plot combine was used and the entire plot was harvested.

In either case, grain samples were air dried, cleaned, weighed, and yield was expressed as bushels per acre. For conversion to bushels per acre the following values were used: wheat, 60 pounds per bushel; oats, 32 pounds per bushel; and barley, 48 pounds per bushel.

Since growing conditions and performance may vary among locations, regional averages are used to give a better indication of varietal performance for a region. Where data are available, averages over several years are included. Location averages are given in this report to show relative performance of varieties at individual locations in 1981.

Forage and grain yields and total feed production values for clipped plots, and grain yields for unclipped plots are shown in tables 1, 2, and 3. Grain yield, lodging, plant height, and date when one-tenth headed for clipped plots are given in tables 4, 5, and 6. Similar data for unclipped plots are given in tables 7, 8, and 9.

Lodging is given as the percent of the stand that is broken or leaning and would likely be missed or shattered by a combine. Height is the average height of the plants measured from the soil surface to the tips of the heads. Date of one-tenth headed is the date when approximately 10 percent of the plants show fully emerged heads.

Yields of varieties tested for production of forage only, at Brewton, Prattville, and Belle Mina, are given in table 10. Rye and triticale forage yields are presented in tables 11, 12, and 13.

Disease ratings for wheat, oat, and barley varieties are presented in tables 14, 15, and 16. Several diseases occur in small grains, but only those that are most common in Alabama are included here. Disease ratings were made when most varieties were in the soft dough stage. Due to the relatively dry conditions this season, disease incidence, and severity were light to moderate. Powdery mildew followed by Septoria blotch and leaf rust were the most prevalent diseases on wheat this season. Disease data were compiled by Dr. Robert T. Gudauskas, Department of Botany, Plant Pathology, and Microbiology. Undoubtedly the lower than normal incidence of disease contributed to the high grain yields in the 1981 harvest.

Varieties are recommended by regions for:(1) forage and grain production combined; (2) grain production only; and (3) forage production only. Variety recommendations in this report are 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; however, performance over a longer period is considered when data are available.

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NORTHERN ALABAMA

Tennessee Valley Substation, Belle Mina - W. B. Webster, Superintendent
Sand Mountain Substation, Crossville - J. T. Eason, Superintendent
Upper Coastal Plain Substation, Winfield - R. A. Moore, Superintendent

CENTRAL ALABAMA

Black Belt Substation, Marion Junction - L. A. Smith, Superintendent
Experiment Field, Prattville - F. T. Glaze, Superintendent
Piedmont Substation, Camp Hill - W. A. Griffey, Superintendent
Plant Breeding Unit, Tallassee - Larry Walker, Superintendent

SOUTHERN ALABAMA

Experiment Field, Brewton - J. A. Pitts, Superintendent
Experiment Field, Monroeville - J. A. Pitts, Superintendent
Gulf Coast Substation, Fairhope - E. L. Carden, Superintendent
Lower Coastal Plain Substation, Camden - J. A. Little, Superintendent
Wiregrass Substation, Headland - J. G. Starling, Superintendent

Table 1. FORAGE AND GRAIN YIELDS PER ACRE OF SMALL GRAIN VARIETIES TESTED, 1979-81

	NORTHERN ALABAMA								Total feed 1979 - 81 av.	
	Oven dry forage			Regional average yield of clipped plots						
	1981 Season total			Forage			Grain	Lb. (9)	Lb. (9)	
	Locations			1-yr	2-yr	3-yr	3-yr			
	Belle Mina	Crossville	Winfield	1981	80-81	79-81	79-81			
Number of tests	Lb. (1)	Lb. (1)	Lb. (1)	Lb. (3)	Lb. (6)	Lb. (9)	Lb. (9)			
WHEAT										
Southern Belle	119	419	3,158	1,232	1,068	977	2,556	3,533	2,638	
Coker 68-15	222	577	3,382	1,394	1,343	1,238	2,237	3,475	2,554	
N. K. - McNair 1003	165	445	3,371	1,327	1,118	1,130	2,200	3,330	2,541	
Coker 747	112	214	2,291	872	793	741	2,549	3,290	2,527	
Coker 762	356	894	2,861	1,371	1,326	1,133	2,084	3,217	2,631	
Ga. 1123	651	961	3,477	1,696	1,529	1,336	1,870	3,206	2,301	
Wakeland	564	821	4,299	1,895	1,638	1,492	1,567	3,059	2,007	
N. K. - McNair 1813	281	744	3,310	1,445	1,243	1,189	1,844	3,033	2,533	
Arthur	116	172	2,006	765	658	690	2,284	2,974	2,437	
Delta Queen	346	584	2,794	1,242	1,107	1,000	1,402	2,402	2,163	
Roy	205	617	2,670	1,164	1,190					
Coker 79-16	170	367	2,785	1,107	962					
Pioneer S-78	25	107	1,716	616	558					
Stacy	90	331	3,117	1,180						
Tyler	280	391	2,715	1,129						
Wheeler	220	296	2,297	938						
Caldwell	29	155	1,647	610						
Auburn	78	126	1,100	435						
OATS										
Coker 716	55	87	2,740	961	802	709	2,546	3,255	2,372	
Coker 227	32	108	2,358	833	817	701	2,273	2,974	2,286	
Coker 76-16	67	204	2,792	1,021	1,022	866	2,011	2,877	2,172	
Coker 79-23	17	186	2,763	988	901					
Coker 80-33	44	121	2,061	742						
BARLEY										
Barsoy	104	236	2,265	868	820	749	2,443	3,192	2,591	
Volbar	61	69	1,057	396	438	464	2,337	2,801	2,467	
Keowee	46	39	1,079	388	402	471	2,293	2,764	1,952	
Surry	266	304	2,802	1,124	1,032	940	1,560	2,500	1,973	
VA-75-42-55	226	505	2,809	1,180	1,133					

Table 2. FORAGE AND GRAIN YIELDS PER ACRE OF SMALL GRAIN VARIETIES TESTED, 1979-81

CENTRAL ALABAMA										
Variety	Oven dry forage				Regional average yield of clipped plots				Total feed 1979-81 av.	
	1981 Season total				Forage			Grain	Clipped forage plus grain	Not clipped grain only
	Locations				1-yr	2-yr	3-yr	3-yr		
	Marion Junction	Camp Hill	Prattville	Tallassee	1981	80-81	79-81	79-81	Lb.	Lb.
Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	
Number of tests	(1)	(1)	(1)	(1)	(4)	(8)	(11)	(11)	(11)	(11)
WHEAT										
N. K. -McNair 1003	1,571	956	3,079	3,297	2,226	2,341	2,250	2,019	4,269	2,668
N. K. -McNair 1813	2,225	1,079	2,966	2,783	2,263	2,402	2,242	1,949	4,191	2,470
Southern Belle	1,291	793	2,291	2,828	1,801	1,997	1,881	2,050	3,931	2,544
Wakeland	2,830	1,196	3,051	3,702	2,695	2,684	2,475	1,341	3,816	1,821
Coker 68-15	1,439	849	2,669	3,282	2,060	2,290	2,110	1,652	3,762	2,226
Arthur	1,155	384	2,399	2,317	1,564	1,600	1,573	2,177	3,750	2,425
Coker 747	1,278	559	2,456	2,655	1,737	1,780	1,594	2,139	3,733	2,275
Coker 762	2,022	968	2,941	3,603	2,384	2,421	2,150	1,581	3,731	2,569
Abe	723	216	1,575	2,037	1,138	1,364	1,298	2,356	3,654	2,276
Arthur 71	791	342	2,158	2,428	1,430	1,553	1,482	2,127	3,609	2,305
Roy	1,742	933	2,803	2,961	2,110	2,356				
Omega 78	1,914	1,071	2,720	3,008	2,178	2,352				
Pioneer S-78	1,058	449	1,999	2,400	1,477	1,478				
Florida 301	2,171	1,322	2,860	3,063	2,354					
Stacy	1,458	686	2,584	3,138	1,966					
Tyler	884	661	2,752	3,002	1,825					
Wheeler	1,204	744	2,521	2,827	1,824					
Coker 79-16	1,230	665	2,867	2,501	1,816					
Auburn	1,282	535	2,324	2,694	1,709					
Caldwell	1,093	333	2,015	1,805	1,312					
OATS										
Coker 76-16	1,671	1,052	2,428	2,569	1,930	1,987	1,784	2,121	3,905	2,044
Coker 227	773	744	2,235	3,163	1,729	1,847	1,631	2,118	3,749	2,081
Coker 716	835	619	1,916	2,178	1,387	1,503	1,378	2,292	3,670	2,340
Salem	1,601	941	2,218	1,949	1,678	1,792	1,607	1,931	3,538	1,892
Coker 79-23	1,157	643	2,340	2,679	1,705	1,841				
Coker 80-20	2,287	1,251	2,579	2,544	2,165					
BARLEY										
Barsoy	1,351	854	2,548	2,666	1,855	1,908	1,823	1,844	3,667	2,388
Surry	2,278	1,132	3,026	2,986	2,356	2,310	2,084	969	3,053	1,652
Volbar	736	681	2,450	2,252	1,530	1,482				

Table 3. FORAGE AND GRAIN YIELDS PER ACRE OF SMALL GRAIN VARIETIES TESTED, 1979-81

SOUTHERN ALABAMA											
Variety	Oven dry forage					Regional average yield of clipped plots				Total feed 1979-81 av.	
	1981 season total					Forage			Grain	Clipped forage plus grain	Not clipped grain only
	Locations					1-yr	2-yr	3-yr	3-yr		
	Fairhope	Brewton	Monroeville	Headland	Camden	1981	80-81	79-81	79-81	Lb.	Lb.
Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	
Number of tests	(1)	(1)	(1)	(1)	(1)	(5)	(10)	(15)	(15)	(15)	(15)
WHEAT											
Coker 762	1,738	1,127	838	2,148	629	1,296	1,859	2,001	2,508	4,509	3,132
Wakeland	1,880	1,930	1,372	1,538	791	1,502	2,138	2,255	1,895	4,150	2,232
Southern Belle	1,239	955	2,796	533	285	1,162	1,442	1,594	2,431	4,025	3,000
N.K. -McNair 1003	1,318	1,068	2,598	1,158	1,418	1,512	1,700	1,785	2,191	3,976	2,718
Coker 747	711	601	1,855	659	148	795	1,232	1,259	2,667	3,926	2,819
Holley	1,809	1,399	1,426	1,411	665	1,342	1,793	1,807	2,111	3,918	2,252
N.K. -McNair 1813	1,306	989	936	1,340	640	1,042	1,572	1,712	2,073	3,785	2,277
Coker 68-15	1,291	1,145	962	1,012	460	974	1,613	1,580	2,183	3,763	2,428
Delta Queen	1,259	1,065	381	499	710	783	1,459	1,702	1,939	3,641	2,361
Roy	1,439	1,296	2,882	1,670	588	1,575	1,950				
Coker 797	2,447	1,003	1,815	2,370	1,171	1,761	1,948				
Coker 79-16	937	685	1,979	689	373	932	1,340				
Pioneer S-78	544	634	1,560	1,526	135	880	1,176				
Florida 301	2,126	1,225	1,565	1,946	1,679	1,708					
Tyler	1,081	1,195	2,316	1,004	491	1,218					
Coker 79-14	1,310	740	527	1,088	504	834					
Stacy	1,074	1,342	464	908	327	823					
Auburn	637	493	1,961	751	177	804					
Wheeler	1,067	1,187	680	691	253	775					
Caldwell	545	507	1,798	723	65	727					
OATS											
Coker 76-16	1,602	973	2,071	771	133	1,110	1,739	1,817	2,666	4,483	2,805
Coker 227	1,183	562	2,056	773	68	929	1,449	1,549	2,533	4,082	2,754
Coker 80-20	2,036	1,333	628	1,203	444	1,128					
Coker 79-23	1,222	629	2,892	466	118	1,065					

Table 4. GRAIN YIELD PER ACRE AND OTHER CHARACTERISTICS OF CLIPPED SMALL GRAIN VARIETIES TESTED, 1979-81

Variety	NORTHERN ALABAMA						Other characteristics			
	1981 Location yield			Regional average			1981 Regional average			
	Belle	Mina	Crossville	Winfield	1-yr 1981	2-yr 80-81	3-yr 79-81	Lodging Pct.	Height In.	1/10 Headed Date
Number of tests	(1)	(1)	(1)	(1)	(3)	(6)	(9)	(3)	(3)	(3)
<u>WHEAT</u>										
Southern Belle	92		57	33	60	47	43	22	32	4/14
Coker 747	73		56	40	57	45	42	36	33	4/18
Arthur	70		41	34	48	41	38	23	38	4/17
N. K. -McNair 1003	79		55	29	55	40	37	20	36	4/18
Coker 68-15	82		55	26	54	42	37	33	34	4/17
Coker 762	77		55	26	53	40	35	31	32	4/20
Ga. 1123	60		52	27	46	34	31	4	44	4/17
N.K. -McNair 1813	68		52	15	45	33	31	18	36	4/16
Wakeland	63		37	23	41	30	26	23	40	4/19
Delta Queen	55		44	21	40	28	23	52	31	4/19
Coker 79-16	94		58	36	63	48		25	34	4/14
Roy	72		59	30	54	42		10	37	4/18
Pioneer S-78	50		40	31	41	35		17	34	4/20
Tyler	74		62	28	55			4	38	4/19
Wheeler	73		58	33	55			10	39	4/18
Caldwell	66		45	34	49			34	37	4/17
Stacy	65		46	32	48			33	38	4/17
Auburn	53		40	30	41			18	35	4/24
<u>OATS</u>										
Coker 716	88		76	-	82	81	80	35	39	4/21
Coker 227	99		60	77	78	74	71	76	35	4/16
Coker 76-16	72		64	54	63	68	63	94	33	4/18
Coker 79-23	80		93	52	75	77		40	32	4/21
Coker 80-33	87		87	68	81			46	36	4/18
<u>BARLEY</u>										
Barsoy	84		59	41	61	55	51	51	31	4/4
Volbar	88		66	51	69	59	49	57	37	4/11
Keowee	72		59	33	55	49	48	77	32	4/11
Surry	65		31	25	40	38	32	90	28	4/7
VA-75-42-55	93		43	32	56	43		83	30	4/5

Table 5 . GRAIN YIELD PER ACRE AND OTHER CHARACTERISTICS OF CLIPPED SMALL GRAIN VARIETIES TESTED, 1979-81

CENTRAL ALABAMA											
Variety	1981 Location yield				Regional average			Other characteristics 1981 Regional average			
	Marion Junction	Camp Hill	Prattville	Tallassee	1-yr 1981	2-yr 80-81	3-yr 79-81	Lodging Pct.	Height In.	1/10 Headed Date	
	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.				
Number of tests	(1)	(1)	(1)	(1)	(4)	(8)	(11)	(4)	(4)	(4)	
<u>WHEAT</u>											
Abe	71	56	52	48	57	40	39	70	38	4/10	
Coker 747	66	57	59	49	58	40	36	70	36	4/11	
Arthur	71	61	66	42	60	42	36	38	39	4/10	
Arthur 71	62	53	54	44	53	37	35	48	38	4/10	
N.K. -McNair 1003	97	70	58	40	66	40	34	22	37	4/12	
Southern Belle	83	66	49	46	61	39	34	32	32	4/6	
N.K. -McNair 1813	81	66	57	41	61	37	32	28	38	4/10	
Coker 68-15	69	54	47	34	51	32	28	47	36	4/9	
Coker 762	64	45	42	36	47	30	26	28	32	4/11	
Wakeland	69	40	38	29	44	25	22	52	41	4/12	
Pioneer S-78	71	55	54	42	55	43		44	36	4/15	
Roy	76	57	53	43	57	39		27	37	4/13	
Omega 78	60	57	42	30	47	29		42	33	4/7	
Tyler	76	74	55	64	67			10	39	4/14	
Wheeler	81	61	67	58	67			29	40	4/11	
Coker 79-16	80	69	58	52	65			41	34	4/8	
Stacy	81	58	54	43	59			39	40	4/11	
Caldwell	69	51	58	45	56			75	36	4/11	
Auburn	59	46	52	41	49			19	38	4/17	
Florida 301	60	38	31	24	38			29	34	4/10	
<u>OATS</u>											
Coker 716	117	70	116	58	90	73	72	54	40	4/16	
Coker 227	107	72	111	84	93	71	66	68	35	4/11	
Coker 76-16	91	48	101	46	72	62	66	94	35	4/14	
Salem	126	61	93	49	83	67	60	19	38	4/19	
Coker 79-23	123	62	100	43	82	65		45	32	4/16	
Coker 80-20	88	58	90	57	73			73	32	4/5	
<u>BARLEY</u>											
Barsoy	60	70	75	46	63	42	38	16	30	3/29	
Surry	24	42	31	17	28	21	20	56	28	4/2	
Volbar	80	51	85	46	65	53		37	36	4/4	

Table 6. GRAIN YIELD PER ACRE AND OTHER CHARACTERISTICS OF CLIPPED SMALL GRAIN VARIETIES TESTED, 1979-81

Variety	SOUTHERN ALABAMA					Regional average			Other characteristics 1981 Regional average		
	1981 Location yield					1 yr	2 yr	3 yr	Lodging	Height	1/10
	Fairhope	Brewton	Monroeville	Headland	Camden	1981	80-81	79-81			Pct.
Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.			
Number of tests	(1)	(1)	(1)	(1)	(1)	(5)	(9)	(14)	(5)	(5)	(5)
<u>WHEAT</u>											
Coker 747	68	68	61	78	84	72	48	44	37	37	4/3
Coker 762	63	68	88	90	76	77	46	42	26	35	3/30
Southern Belle	73	60	58	69	82	69	44	41	4	34	3/29
N. K.-McNair 1003	74	47	53	86	77	68	40	37	11	37	4/2
Coker 68-15	73	55	70	68	74	68	41	36	12	39	3/31
Holley	63	50	69	74	63	64	42	35	21	44	3/28
N. K.-McNair 1813	64	44	66	83	68	65	38	35	5	40	3/30
Delta Queen	55	56	67	61	62	60	36	32	39	36	3/31
Wakeland	57	49	59	64	68	60	36	32	34	46	4/1
Coker 79-16	71	70	69	89	79	76	52		7	35	3/30
Pioneer S-78	57	56	45	65	75	60	43		28	36	4/8
Roy	64	37	44	68	74	57	39		9	38	4/3
Coker 797	50	34	70	64	48	53	28		7	33	3/24
Wheeler	74	60	79	88	90	78			28	44	4/2
Coker 79-14	66	58	90	68	75	72			6	33	3/26
Tyler	77	52	64	86	75	71			16	41	4/6
Stacy	66	39	73	70	76	65			31	42	4/1
Caldwell	66	44	59	79	66	63			37	39	4/4
Florida 301	54	45	70	68	54	58			13	39	3/25
Auburn	44	41	41	52	68	49			1	38	4/12
<u>OATS</u>											
Coker 76-16	101	113	106	116	120	111	85	83	65	34	4/6
Coker 227	115	95	112	121	121	113	84	79	61	39	4/2
Coker 79-23	91	118	118	100	136	113			33	33	4/7
Coker 80-20	87	101	133	110	55	97			29	37	3/25

Table 7 .GRAIN YIELD PER ACRE AND OTHER CHARACTERISTICS OF UNCLIPPED SMALL GRAIN VARIETIES TESTED, 1979-81

Variety	NORTHERN ALABAMA						Other characteristics		
	1981 Location yield			Regional average			1981 Regional average		
	Belle Mina	Crossville	Winfield	1-yr 1981	2-yr 80-81	3-yr 79-81	Lodging Pct.	Height In.	1/10 Headed Date
Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.			
Number of tests	(1)	(1)	(1)	(3)	(6)	(9)	(3)	(3)	(3)
<u>WHEAT</u>									
Southern Belle	90	53	47	64	46	44	18	34	4/13
Coker 762	73	56	51	60	45	44	21	33	4/17
Coker 68-15	70	56	54	60	46	43	17	37	4/15
N.K. McNair 1813	73	48	45	55	45	42	16	38	4/16
Coker 747	65	55	48	56	44	42	25	35	4/17
N. K. McNair 1003	68	49	47	55	42	42	18	37	4/18
Arthur	74	45	40	53	43	41	16	38	4/16
Ga. 1123	72	43	49	55	41	38	12	45	4/16
Delta Queen	51	47	47	48	36	36	31	37	4/17
Wakeland	56	34	46	45	35	33	24	44	4/17
Coker 79-16	76	50	49	59	49		11	36	4/15
Roy	75	59	49	61	48		6	39	4/17
Pioneer S-78	52	48	35	45	36		5	33	4/20
Tyler	84	54	46	61			3	40	4/19
Wheeler	80	55	48	61			12	40	4/17
Caldwell	60	49	39	49			16	37	4/17
Stacy	54	41	46	47			29	39	4/16
Auburn	51	39	41	44			11	36	4/25
<u>OATS</u>									
Coker 716	77	78	66	73	71	74	49	39	4/19
Coker 227	96	77	85	86	72	71	69	34	4/17
Coker 76-16	64	68	76	69	65	68	92	36	4/18
Coker 79-23	98	89	69	85	77		50	35	4/22
Coker 80-33	97	87	79	88			60	37	4/19
<u>BARLEY</u>									
Barsoy	93	59	59	70	54	54	52	31	4/3
Volbar	96	59	55	70	56	51	59	35	4/12
Surry	78	36	41	52	44	41	92	34	4/5
Keowee	66	44	36	49	41	41	87	33	4/12
VA-75-42-55	89	48	48	62	53		90	30	4/4

Table 8 .GRAIN YIELD PER ACRE AND OTHER CHARACTERISTICS OF UNCLIPPED SMALL GRAIN VARIETIES TESTED, 1979-81

Variety	CENTRAL ALABAMA								Other Characteristics		
	1981 Location yield				Regional average			1981 Regional average			
	Marion	Camp Hill	Prattville	Tallassee	1-yr	2-yr	3-yr	Lodging	Height	1/10	
	Junction				1981	80-81	79-81			Headed	
Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Pct.	In.	Date		
(1)	(1)	(1)	(1)	(4)	(8)	(12)	(4)	(4)	(4)		
WHEAT											
N.K.- McNair 1003	90	57	90	55	73	46	44	30	43	4/9	
Coker 762	81	47	80	44	63	42	43	39	36	4/7	
Southern Belle	85	67	71	53	69	45	42	40	37	4/5	
N.K.- McNair 1813	85	55	77	62	70	43	41	40	44	4/7	
Arthur	71	48	67	36	55	43	40	55	44	4/8	
Coker 747	67	46	67	40	55	42	38	71	37	4/12	
Arthur 71	71	42	69	39	55	41	38	64	41	4/8	
Abe	76	44	67	24	53	40	38	68	40	4/9	
Coker 68-15	85	64	78	42	67	42	37	50	40	4/8	
Wakeland	73	41	54	41	52	32	30	65	48	4/7	
Roy	83	53	81	35	63	45		48	42	4/10	
Pioneer S-78	71	38	67	35	53	43		54	37	4/14	
Omega 78	80	48	64	36	57	36		46	38	4/4	
Coker 79-16	95	58	78	72	76			28	37	4/6	
Tyler	83	67	86	53	72			29	44	4/11	
Wheeler	81	62	80	51	68			43	46	4/9	
Stacy	83	58	61	50	63			62	44	4/9	
Caldwell	81	41	68	47	59			54	38	4/10	
Auburn	60	43	59	58	55			48	41	4/17	
Florida 301	73	43	43	23	46			74	41	4/4	
OATS											
Coker 716	117	40	134	43	83	67	73	77	46	4/15	
Coker 227	117	42	142	65	91	66	65	83	40	4/9	
Coker 76-16	94	42	115	44	74	55	64	89	42	4/12	
Salem	141	55	96	28	80	67	57	61	44	4/17	
Coker 79-23	126	51	135	41	88	66		62	37	4/14	
Coker 80-20	104	41	92	48	71			88	38	4/7	
BARLEY											
Barsoy	86	67	92	55	75	53	50	38	36	3/27	
Surry	67	55	55	28	51	35	34	44	35	3/27	
Volbar	80	60	95	52	72	57		59	41	4/3	

Table 9 . GRAIN YIELD PER ACRE AND OTHER CHARACTERISTICS OF UNCLIPPED SMALL GRAIN VARIETIES TESTED, 1979-81

Variety	SOUTHERN ALABAMA								Other characteristics		
	1981 Location yield					Regional average			1981 Regional average		
	Fairhope	Brewton	Monroeville	Headland	Camden	1-yr 1981	2-yr 80-81	3-yr 79-81	Lodging	Height	1/10 Headed
	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Pct.	In.	Date
Number of Tests	(1)	(1)	(1)	(1)	(1)	(5)	(10)	(15)	(5)	(5)	(5)
WHEAT											
Coker 762	88	63	92	94	89	85	53	52	11	35	3/31
Southern Belle	73	66	79	91	76	77	52	50	4	34	3/28
Coker 747	74	60	70	72	84	72	52	47	24	35	4/4
N. K.-McNair 1003	76	55	85	88	86	78	45	45	5	39	4/2
Coker 68-15	70	57	72	72	78	70	44	40	14	39	4/2
Delta Queen	69	50	76	55	66	63	38	39	15	35	4/1
WaKeland	66	46	66	69	66	62	38	37	28	47	4/1
Holley	72	53	69	75	58	65	41	38	18	45	3/26
N.K. -McNair 1813	69	48	76	84	59	67	39	38	7	38	3/30
Coker 79-16	74	63	92	96	79	81	58		9	35	3/31
Roy	76	39	66	75	82	68	46		9	39	4/4
Pioneer S-78	54	51	59	54	72	58	42		11	34	4/10
Coker 797	77	56	74	71	59	67	37		10	34	3/19
Tyler	80	58	89	82	79	78			7	41	4/7
Wheeler	71	66	79	86	84	77			5	43	4/1
Coker 79-14	74	63	92	67	61	71			4	32	3/25
Florida 301	72	60	60	77	45	63			7	41	3/24
Stacy	60	47	68	66	69	62			30	42	4/2
Caldwell	60	52	48	63	77	60			31	38	4/4
Auburn	44	43	45	61	75	54			2	38	4/13
OATS											
Coker 76-16	114	110	110	106	134	115	90	88	69	38	4/5
Coker 227	128	107	126	113	118	118	91	86	57	37	4/3
Coker 79-23	105	113	111	106	143	116			11	32	4/8
Coker 80-20	110	97	132	118	59	103			20	36	3/24

TABLE 10. FORAGE YIELD OF SMALL GRAIN VARIETIES TESTED FOR FORAGE ONLY AT BELLE MINA, PRATTVILLE, AND BREWTON, 1979-81

Variety	Oven dry forage, lb. per acre								
	1981	1980-81	1979-81	1981	1980-81	1979-81	1981	1980-81	1979-81
	season	2 yr.	3 yr.	season	2 yr.	3 yr.	season	1 yr.	2 yr.
	total	av.	av.	total	av.	av.	total	av.	av.
	Belle Mina	Belle Mina	Belle Mina	Prattville	Prattville	Prattville	Brewton	Brewton	Brewton
<u>RYE</u>									
Athen's Abruzzi	5,026	5,317	5,327	5,706	5,753	5,352	3,199	3,766	4,189
Bonel	5,910	6,464	6,509	6,009	6,361	5,843	3,822	4,454	4,750
Maton	5,721	6,306	6,264	5,536	5,935	5,680	3,744	4,354	4,618
Forager	6,051	5,816	5,778	5,321	5,629	5,335	4,008	4,174	4,560
Wintergrazer 70	6,334	6,505	6,430	5,870	5,989	5,680	3,451	4,411	4,695
Gurley's Grazer 2000	5,236			5,151			3,762		
<u>WHEAT</u>									
Coker 68-15	4,115	3,883	3,315	4,895	4,674	4,102	2,460	2,986	3,331
Coker 747	4,830	4,590	4,607	5,003	4,883	4,201	1,975	2,714	3,086
Arthur	4,296	4,312	4,232	4,991			-	-	-
N.K.-McNair 1003	4,266	4,282		4,556	4,568	4,206	2,231	2,312	2,940
N.K.-McNair 1813	4,142	3,863		4,713	4,235	3,851	2,318	2,264	2,749
Holley	-	1/	-	4,379	4,340	-	2,015	2,687	3,020
Wakeland	-	-	-	-	-	-	2,600	2,868	3,587
Coker 762	-	-	-	-	-	-	2,308	2,648	3,178
Southern Belle	4,425	4,004		4,369	4,141		2,522	2,764	
Omega 78	4,657			4,595			2,598		
Roy	4,746			4,720			2,589		
Abe	-	-	-	4,239			-	-	-
Arthur 71	-	-	-	4,155			-	-	-
<u>OATS</u>									
Coker 227	4,962	5,052	3,891	6,004	6,298	5,469	3,334	3,687	4,390
Coker 76-16	4,571	4,742	3,856	5,869	6,300	5,538	3,548	4,132	4,905
Coker 716	4,652	4,827	4,392	5,629	6,398	5,777	3,631		
Brooks	3,478			4,658			3,157		
<u>BARLEY</u>									
Barsoy	4,432	5,212	4,444	4,947	4,709	4,101	2,648	2,986	3,232
Surry	3,972	4,816	4,272	4,309	4,627	3,827	1,531	2,076	2,316
Keowee	4,050	4,861	4,463	3,849			2,118		
<u>TRITICALE</u>									
AM 2803	5,733			4,905			3,522		
AM 2851	5,576			4,702			3,660		
AM 2854	5,286			4,896			3,701		

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1/ Dashes indicate that the variety was not tested at that location.

Table 11. FORAGE YIELD OF RYE AND TRITICALE VARIETIES TESTED FOR FORAGE ONLY IN NORTHERN ALABAMA, 1979-1981

Variety	Oven dry forage, lb. per acre, 1981		1981	1980-81	1979-81
	Locations		1 year regional average	2 yr. average	3 yr. average
<u>RYE</u>	<u>Crossville</u>	<u>Winfield</u>			
NF 74	3,698	5,158	4,428	4,789	4,591
NF 72	4,067	4,163	4,115	4,516	4,385
Bonel	4,021	4,809	4,415	4,431	4,378
Wintergrazer 70	3,631	4,686	4,159	4,190	3,996
Forager	3,626	4,896	4,261	4,278	3,987
Maton	3,545	4,049	3,797	4,062	3,887
Athen ^h Abruzzi	3,561	3,237	3,399	3,702	3,691
Gurley's Grazer 2000	3,544	3,475	3,509	3,949	3,646
Weser	3,402	4,067	3,735	3,925	3,613
WREN'S Abruzzi	3,312	3,666	3,489	3,728	3,576
N.K.-McNair Vita Graze	3,191	3,057	3,124	3,439	3,315
Gurley's GI 85	4,049	4,891	4,470	4,636	
Gurley's Abruzzi	3,792	4,158	3,975	4,090	
Gurley's GI 75	3,630	4,358	3,994	3,859	
AFC 20-20	4,052	4,507	4,279		
Wintergrazer 70B	3,861	4,571	4,216		
Wintergrazer 80	3,803	4,526	4,165		
Northrup King SS 1	3,246	3,814	3,530		
<u>TRITICALE</u>					
Council	3,929	4,913	4,421		
AM 4111	3,648	4,147	3,897		
Kershens B227	3,223	4,094	3,658		
Kershens A476	3,059	4,200	3,630		
AM 4107	3,452	3,436	3,444		
<u>CHECK VARIETIES</u>					
Coker 68-15 (wheat)	2,726	3,564	3,145		
Coker 716 (oat)	3,003	4,216	3,610		

Table 12. FORAGE YIELD OF RYE AND TRITICALE VARIETIES TESTED FOR FORAGE ONLY IN CENTRAL ALABAMA, 1979-81

Variety	<u>Oven dry forage, lb. per acre, 1981</u>			1981	1980-81	1979-81
	Locations			1 year regional average	2 yr. average	3 yr. average
<u>RYE</u>	<u>Marion Junction</u>	<u>Camp Hill</u>	<u>Tallassee</u>			
NF 74	5,625	4,253	6,913	5,597	4,921	4,693
NF 72	5,192	4,645	6,560	5,466	4,873	4,643
Wintergrazer 70	5,492	4,120	6,137	5,250	4,554	4,366
Forager	5,347	4,290	6,156	5,264	4,555	4,362
Gurley's Grazer 2000	5,123	4,406	6,000	5,176	4,464	4,320
Bonel	4,761	3,844	5,988	4,864	4,412	4,301
Maton	5,176	3,806	5,921	4,967	4,348	4,229
Athen's Abruzzi	4,585	3,119	5,704	4,469	3,924	3,902
N.K.-McNair Vita Graze	4,900	3,502	4,821	4,408	3,978	3,837
Wren's Abruzzi	3,814	3,628	5,762	4,401	3,978	3,825
Weser	3,834	3,458	5,296	4,196	3,866	3,723
Gurley's GI 85	5,085	4,055	6,564	5,235	4,577	
Gurley's GI 75	5,003	4,190	6,237	5,143	4,405	
AFC 20-20	4,933	4,041	5,756	4,910	4,403	
Gurley's Abruzzi	4,865	3,479	6,082	4,808	4,285	
Wintergrazer 70B	5,558	3,891	6,011	5,153		
Wintergrazer 80	4,841	4,135	6,228	5,068		
Northrup King SS1	4,589	3,827	5,084	4,500		
<u>TRITICALE</u>						
AM 4107	5,602	4,810	5,387	5,266		
Council	5,290	4,648	5,675	5,204		
AM 4111	5,303	4,485	5,691	5,160		
Kershner A476	5,542	4,291	4,485	4,773		
Kershner B227	5,135	3,739	5,216	4,698		
<u>CHECK VARIETIES</u>						
Coker 68-15 (wheat)	5,078	3,881	5,309	4,756		
Coker 716 (oat)	5,405	3,872	5,665	4,981		

TABLE 13. FORAGE YIELD OF RYE AND TRITICALE VARIETIES TESTED FOR FORAGE ONLY IN SOUTHERN ALABAMA, 1979-81

Variety	Oven dry forage, lb. per acre, 1981				1981 1 year regional average	1980-81 2 yr. average	1979-81 3 yr. average
	Fairhope	Monroeville	Headland	Camden			
<u>RYE</u>							
Bonel	4,323	4,168	7,111	4,563	5,041	4,990	5,206
NF 74	4,791	4,086	4,954	4,902	4,683	5,014	5,148
NF 72	4,405	4,434	5,103	4,833	4,694	4,906	5,113
Maton	4,323	4,114	7,200	5,043	5,170	4,918	5,046
Forager	4,033	4,245	7,156	4,630	5,016	4,970	5,043
Wintergrazer 70	4,153	4,184	6,291	4,615	4,811	4,740	4,977
Gurley's Grazer 2000	3,979	4,441	6,182	4,498	4,775	4,831	4,924
Athen's Abruzzi	3,519	3,419	3,998	4,074	3,753	4,195	4,534
Wren's Abruzzi	3,496	3,962	5,710	3,988	4,289	4,315	4,523
N.K.-McNair Vita Graze	3,781	3,836	6,195	4,360	4,543	4,380	4,509
Weser	3,458	4,351	4,756	4,087	4,163	4,126	4,412
Gurley's GI 85	4,474	4,508	6,387	4,837	5,052	4,958	
AFC 20-20	4,277	4,606	6,335	4,497	4,929	4,816	
Gurley's GI 75	3,873	4,361	6,932	4,632	4,950	4,802	
Gurley's Abruzzi	3,797	4,218	5,335	5,006	4,589	4,496	
Wintergrazer 80	4,858	4,714	7,411	4,857	5,460		
Wintergrazer 70B	5,123	4,461	6,405	4,742	5,183		
Northrup King SS1	3,429	3,959	7,324	4,194	4,727		
<u>TRITICALE</u>							
AM 4111	4,216	3,488	7,394	3,692	4,697		
Kershens B227	3,856	3,436	7,659	3,315	4,567		
Council	4,253	3,736	6,393	3,698	4,520		
AM 4107	4,248	3,977	5,422	3,495	4,285		
Kershens A476	3,844	3,849	5,678	3,526	4,224		
<u>CHECK VARIETIES</u>							
Coker 68-15 (wheat)	4,404	4,258	3,959	2,828	3,862		
Coker 716 (oat)	3,404	3,895	3,918	2,047	3,316		

Table 14 .Disease ratings for wheat varieties grown in 1980-81 tests in Alabama^{1/}

Variety	Powdery ^{2/} mildew	Leaf ^{2/} rust	Septoria ^{2/} blotch	Loose ^{3/} smut
NORTHERN ALABAMA				
Arthur	4.4	0.5	2.6	0
Coker 68-15	2.4	0	3.7	0
Coker 79-16 ^{4/}	0	0	3.0	0
Coker 747	3.2	0.5	2.9	0
Coker 762	0.1	0	2.3	0
Delta Queen	0.1	0.1	2.9	0
Ga. 1123	3.0	0.1	3.0	0
N.K.-McNair 1003	0.4	1.3	2.6	0
N.K.-McNair 1813 ^{5/}	0.5	0.1	5.6	0
Pioneer S-78 ^{4/}	8.0	0	2.5	0
Roy ^{4/}	4.0	0	1.5	0
Stacy ^{4/}	0	0	1.0	0
Southern Belle ^{5/}	3.0	0.6	4.2	0.5
Tyler ^{4/}	0	0	2.5	0
Wakeland	1.6	0	2.9	0
Wheeler ^{4/}	1.5	0	2.0	0
Caldwell ^{4/}	3.5	0	2.5	0
Auburn ^{4/}	1.0	0	2.0	0
CENTRAL ALABAMA				
Abe	4.1	0.2	2.6	0
Arthur	2.9	0.9	3.1	0
Arthur 71	3.6	0.5	2.9	0
Coker 68-15	3.7	0.5	3.9	0.8
Coker 79-16 ^{4/}	3.0	0	1.7	0
Coker 747 ^{4/}	3.7	0	1.3	0
Coker 762	0.3	0.6	2.6	0.1
Florida 301 ^{4/}	0.3	0	2.0	0
N.K.-McNair 1003	0.7	0.8	3.3	0
N.K.-McNair 1813	0.5	1.9	3.4	0
Omega 78 ^{5/}	1.0	0.7	4.1	0
Pioneer S-78 ^{5/}	3.6	0.2	2.8	0.8
Caldwell ^{4/}	2.3	0	1.7	1.7

^{1/} Averages of four years' data unless indicated otherwise.

^{2/} 0-9 scale; 0=no disease, 9=severe disease.

^{3/} Number smutted heads per 16 feet of row.

^{4/} One years' data

^{5/} Two years' data.

^{6/} Three years' data.

Table 14. Disease ratings for wheat varieties grown in 1980-81 tests in Alabama^{1/}

Variety	Powdery ^{2/} mildew	Leaf ^{2/} rust	Septoria ^{2/} blotch	Loose ^{3/} smut
CENTRAL ALABAMA (cont'd)				
Auburn ^{4/}	1.3	0	1.3	0
Roy ^{5/}	2.9	0.5	3.1	0
Southern Belle ^{6/}	2.4	0.5	2.9	0
Stacy ^{4/}	0.8	0	2.0	1.3
Tyler ^{4/}	2.3	0	1.0	0
Wakeland	1.4	0	2.7	3.7
Wheeler ^{4/}	4.3	0	2.7	0
SOUTHERN ALABAMA				
Coker 68-15	4.0	0.1	4.5	0
Coker 79-14 ^{4/}	0	0	4.0	0
Coker 747 ^{6/}	1.9	1.8	2.1	0
Coker 762	0.6	0.3	3.0	0
Coker 797 ^{5/}	1.5	0.5	4.9	0
Delta Queen	1.4	0.3	3.8	0
Florida 301 ^{4/}	0.2	0.8	4.6	0
Holley	1.3	1.4	4.4	0
N.K.-McNair 1003	1.0	2.4	4.3	0
N.K.-McNair 1813	1.1	1.5	4.5	0
Pioneer S-78 ^{5/}	3.0	0.5	3.0	0
Caldwell ^{4/}	0	0.4	2.8	0
Auburn ^{4/}	0.4	0	3.2	0
Roy ^{5/}	3.0	3.3 ^{7/}	3.5	0
Southern Belle ^{6/}	3.1	1.6	4.3	0
Stacy ^{4/}	0.4	1.2	3.6	0.6
Tyler ^{4/}	0.4	3.2	2.2	0
Wakeland	1.8	0.9	2.9	0.2
Wheeler	0	0.8	3.0	0
Coker 79-16 ^{5/}	0.8	0.3	3.4	0

^{1/} Averages of four years' data unless indicated otherwise

^{2/} 0-9 scale; 0=no disease, 9=severe disease.

^{3/} Number smutted heads per 16 feet of row.

^{4/} One year's data.

^{5/} Two years' data.

^{6/} Three years' data.

^{7/} Average 4.0 for stem rust at two locations.

Table 15. Disease ratings for oat varieties grown in 1980-81 tests in Alabama^{1/}

Variety	Barley yellow dwarf ^{2/}	Leaf blotch ^{3/}	Leaf rust ^{3/}	Loose ^{4/} smut ^{4/}
NORTHERN ALABAMA				
Coker 76-16 ^{7/}	13.0	3.2	0	0
Coker 79-23 ^{7/}	0	2.5	0	0
Coker 80-33 ^{5/}	10.0	2.0	0	0
Coker 227 ^{7/}	9.0	1.8	0	0
Coker 716 ^{7/}	0	0.8	0	20
CENTRAL ALABAMA				
Coker 76-16 ^{5/}	0	2.7	0	0
Coker 79-23 ^{6/}	0	1.7	0	0
Coker 227	1.9	2.6	0	0
Coker 716	0.8	2.5	0	4.5
Salem	1.1	2.4	0	0
SOUTHERN ALABAMA				
Coker 76-16	2.2	2.0	4.5	0
Coker 79-23 ^{5/}	0	2.4	0	0
Coker 80-20 ^{5/}	0	1.8	0	30.6
Coker 227	3.7	1.9	0.3	0

1/ Averages of four years' data unless indicated otherwise.

2/ Percentage of plants showing symptoms.

3/ 0-9 scale; 0=no disease, 9=severe disease.

4/ Number smutted heads per 16 feet of row.

5/ One year's data.

6/ Two years' data.

7/ Three years' data.

Table 16 Disease ratings for barley varieties grown in 1980-81 tests in Alabama^{1/}

Variety	Powdery mildew	Spot blotch	Net blotch	Leaf rust	Scald
Barsoy	0	2.1	1.7	0.4	1.9
Keowee ^{2/}	0	1.1	0.6	0.2	0
Surry	0	3.1	2.1	0.2	0
Volbar ^{3/}	0	2.1	2.2	0.6	1.3

1/ 1-9 scale; 0=no disease, 9=severe disease. Averages of four years' data.

2/ Three years' data.

3/Avg. 16.7 smutted heads per 16 feet of row at three locations.

VARIETIES RECOMMENDED FOR FORAGE AND GRAIN

Recommendations are based on 3-year average regional yields of forage and grain. The ratio of (forage: total feed) in percent, is given with each variety. One must decide if the forage or the grain is the most important component needed from the variety. Based on this decision, varietal selection should be based on the forage ratio and the combined production of forage and grain. Varietal yields of forage, grain, and the combination of forage and grain are in tables 1, 2, and 3. For other characteristics, see tables 4, 5, and 6. For disease ratings see tables 14, 15, and 16. Varieties are listed alphabetically.

NORTHERN ALABAMA

<u>Wheat</u>	<u>Forage ratio</u>	<u>Oats</u>	<u>Forage ratio</u>	<u>Barley</u>	<u>Forage ratio</u>
Arthur 1/	(23)	Coker 227	(24)	Barsoy	(23)
Coker 68-15	(36)	Coker 716	(22)	Keowee	(17)
Coker 747	(23)	Coker 76-16	(30)	Surry	(38)
Coker 762	(35)			Volbar	(17)
Ga. 1123	(42)				
N. K.--McNair 1003	(34)				
N. K. - McNair 1813 1/	(39)				
Southern Belle	(27)				
Wakeland	(49)				

CENTRAL ALABAMA

<u>Wheat</u>	<u>Forage ratio</u>	<u>Oats</u>	<u>Forage ratio</u>	<u>Barley</u>	<u>Forage ratio</u>
Abe	(36)	Coker 227	(44)	Barsoy	(50)
Arthur	(42)	Coker 716	(38)	Surry 1/	(68)
Arthur 71	(41)	Coker 76-16	(46)		
Coker 68-15	(56)				
Coker 747	(43)				
Coker 762	(58)				
N.K.- McNair 1003	(53)				
N.K.- McNair 1813	(54)				
Southern Belle	(48)				
Wakeland	(65)				

SOUTHERN ALABAMA

<u>Wheat</u>	<u>Forage ratio</u>	<u>Oats</u>	<u>Forage ratio</u>
Coker 747	(32)	Coker 227 1/	(38)
Coker 762	(44)	Coker 76-16	(41)
Holley	(46)		
N.K.- McNair 1003	(45)		
Southern Belle	(40)		
Wakeland	(54)		

1/ If present trends continue, this variety will be removed from the recommended list for forage and grain next year in the region indicated.

VARIETIES RECOMMENDED FOR GRAIN ONLY

Recommendations are based on 3-year average regional yields of grain. Varieties are listed alphabetically. For disease ratings see tables 14, 15, and 16. For lodging, plant height, and maturity values see tables 7, 8, and 9.

NORTHERN ALABAMA

<u>Wheat</u>	<u>Oats</u>	<u>Barley</u>
Arthur ¹ / ₁	Coker 227 ¹ / ₁	Barsoy
Coker 68-15	Coker 716	Volbar
Coker 747		
Coker 762		
N.K.- McNair 1003		
N.K.- McNair 1813		
Southern Belle		

CENTRAL ALABAMA

<u>Wheat</u>	<u>Oats</u>	<u>Barley</u>
Abel ¹ / ₁	Coker 716	Barsoy
Arthur ¹ / ₁	Coker 227	
Arthur ¹ / ₁		
Coker 747 ¹ / ₁		
Coker 762		
N.K.- McNair 1003		
N.K.- McNair 1813		
Southern Belle		

SOUTHERN ALABAMA

<u>Wheat</u>	<u>Oats</u>
Coker 747	Coker 227
Coker 762	Coker 76-16
N.K.-McNair 1003	
Southern Belle	

¹/₁ If present trends continue, this variety will be removed from the recommend list for grain only next year in the region indicated.

VARIETIES RECOMMENDED FOR FORAGE ONLY

Rye recommendations for all 3 regions are based on 3-year averages of full-season forage yield in tables 10-13. Wheat, oat, and barley recommendations for the Northern, Central, and Southern regions are based on 3-year averages of full-season forage yield at Belle Mina, Prattville, and Brewton, respectively. Rye, wheat, oat, and barley yields for the 3 locations are in table 10. Varieties are listed alphabetically.

NORTHERN ALABAMA

<u>Rye</u>	<u>Wheat</u>	<u>Oats</u>	<u>Barley</u>
Athen's Abruzzi <u>1/</u>			
Bonel	Arthur	Coker 227	Barsoy
Forager	Coker 747	Coker 716	Keowee
Maton		Coker 76-16 <u>1/</u>	Surry <u>1/</u>
NF 72			
NF 74			
Wintergrazer 70			

CENTRAL ALABAMA

<u>Rye</u>	<u>Wheat</u>	<u>Oats</u>	<u>Barley</u>
Bonel	Coker 68-15	Coker 227 <u>1/</u>	Barsoy
Forager	Coker 747	Coker 716	Surry <u>1/</u>
Gurley's Grazer 2000	N.K.- McNair 1003	Coker 76-16	
Maton			
NF 72			
NF 74			
Wintergrazer 70			

SOUTHERN ALABAMA

<u>Rye</u>	<u>Wheat</u>	<u>Oats</u>	<u>Barley</u>
Bonel	Coker 68-15	Coker 227 <u>1/</u>	Barsoy
Forager	Coker 747 <u>1/</u>	Coker 76-16	
Gurley's Grazer 2000	Coker 762		
Maton	Holley <u>1/</u>		
NF 72	N.K.-McNair-1003 <u>1/</u>		
NF 74	Wakeland		
Wintergrazer 70			

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

SOURCES OF SEED

RYE

AFC 20-20-----	Alabama Farmers Coop, Decatur, Alabama
Athen's Abruzzi, Weser-----	Georgia Seed Development Commission, Athens, Georgia
Bonel, Maton, NF 72, NF 74-----	Noble Foundation Ardmore, Oklahoma
Gurley's (All varieties)-----	Gurley's Inc., Selma North Carolina
McNair Vita Graze, SS1-----	Northrup King Co., Laurinburg, North Carolina
Forager-----	Sun Rise, Inc. Auburn, Alabama
Wintergrazer 70, 70B, 80-----	Pennington Seed Inc. Madison, Georgia
Wren's Abruzzi-----	Alabama Crop Improvement Assoc., Inc Auburn, Alabama

WHEAT

Abe, Arthur 71-----	Alabama Crop Improvement Assoc., Inc. Auburn, Alabama
Arthur, Auburn, Caldwell -----	Ag. Alumni Seed Imp. Assoc., Inc. Romney, Indiana
Coker (All varieties)-----	Coker's Pedigreed Seed Company Hartsville, South Carolina
Delta Queen, Southern Belle-----	North American Plant Breeders, Brookston, Indiana
Florida 301-----	Florida Foundation Seed Producers, Inc Greenwood, Florida
Ga. 1123, Holley, Omega 78 -----	Georgia Seed Development Commission, Athens, Georgia
McNair (All varieties)-----	Northrup King Co., Laurinburg, North Carolina
Pioneer S78-----	Pioneer Hi-Bred International, Inc. Tipton, Indiana
Roy-----	North Carolina Foundation Seed Prod., Raleigh, North Carolina
Stacy-----	Georgia Seed Development Commission Athens, Georgia
Tyler, Wheeler-----	Virginia Polytechnic Institute & State University, Blacksburg, Virginia
Wakeland-----	Alabama Crop Improvement Assoc., Inc Auburn, Alabama

OATS

Brooks, Salem-----	North Carolina Foundation Seed Prod., Raleigh, North Carolina
Coker (All varieties)-----	Coker's Pedigreed Seed Company Hartsville, South Carolina

BARLEY

Barsoy-----Department of Agronomy, University
of Kentucky, Lexington, Kentucky
Keowee-----South-Carolina Crop Improvement Assoc.,
Clemson, South Carolina
Surry, VA-75-42-55-----Virginia Polytechnic Institute &
State University, Blacksburg, Va.
Volbar-----Department of Agronomy, University
of Tennessee, Knoxville, Tennessee

TRITICALE

Council, (AM varieties)----- Alabama A&M University
Normal, Alabama
Kershner A476, B227----- Kershner Triticale Co.
Canyon, Texas

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3. Are there other data that may be more useful to you?

4. In your opinion, are any varieties that do not appear in the report that should be tested?

5. What is your occupation? (Farmer, extension agent, seed company etc.)

6. Where do you live or farm? Give state and county.

7. Further comments?

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