

The
1993
Alabama
Performance
Comparison
of
Small
Grain
Varieties
for
Forage



Department of Agronomy and Soils Departmental Series No. 171
Alabama Agricultural Experiment Station Auburn University
Lowell T. Frobish, Director Auburn University September 1993

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*Information contained herein is available to all persons regardless of race,
color, sex, or national origin.*

ACKNOWLEDGMENTS

Appreciation is expressed to Mien-Huei Tzeng, Research Data Analysis, for the computation and summarization of data in this report.

Appreciation is also expressed to the following supervisory personnel of the outlying units whose support is gratefully acknowledged:

Northern Alabama

Tennessee Valley Substation, Belle Mina.....	W.B. Webster, Supt. H.E. Burgess, Assoc. Supt. B.E. Norris, Jr., Asst. Supt.
Sand Mountain Substation, Crossville	J.T. Eason, Supt. M.E. Ruf, Assoc. Supt.
Upper Coastal Plain Substation, Winfield.....	W.A. Griffey, Supt. R.C. Rawls, Asst. Supt.

Central Alabama

Black Belt Substation, Marion Junction.....	J.L. Holliman, Supt. J.R. Harris, Asst. Supt.
Prattville Experiment Field	D.P. Moore, Supt.
E.V. Smith Research Center, Tallassee.....	S.P. Nightengale, Supt.

Southern Alabama

Brewton and Monroeville Experiment Fields.....	J.R. Akridge, Supt.
Gulf Coast Substation, Fairhope.....	E.L. Carden, Supt. N.R. McDaniel, Assoc. Supt. M.D. Pegues, Asst. Supt.
Lower Coastal Plain Substation, Camden.....	J.A. Little, Supt. P.A. Rose, Asst. Supt.
Wiregrass Substation, Headland.....	H.W. Ivey, Supt. L.W. Wells, Asst. Supt. B.E. Gamble, Asst. Supt.

THE 1993 ALABAMA PERFORMANCE COMPARISON OF SMALL GRAIN VARIETIES FOR FORAGE

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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 forage production in their particular area of the State. Many of the small grain species and varieties differ in their capability to produce early fall and winter forage for livestock production. Making the proper selection requires up-to-date, unbiased, reliable information and varietal forage yield by season.

Entries in each experiment are determined by the companies or institutes which control each variety, or line, not by experiment station personnel. Data from tests conducted at 11 locations were used to compile this report and they represent the varied growing conditions around the State for the past 3 years.

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. Each variety was replicated three times in each test.

The tests are normally planted in late September to early October. All test locations were planted at normal times of late September and early October 1990, 1991 and 1992. 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 forage dry matter per acre. The tests were topdressed in February with 60 pounds N per acre and clipping was continued until no regrowth occurred in the spring.

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DATA EXPLANATION

Dry matter forage is recorded for seasonal and total yields by locations. The four seasonal periods are: autumn-forage produced through December; winter-January and February production; early spring-March and early April production; and late spring-production after April 20.

DISCUSSION

Growing conditions and variety forage performance often vary among locations and years. Multiple-year averages are given here to use as a better indicator for performance comparison. In 1990-91, temperatures were above normal through December and January. This was followed by a brief cold period in mid-February which caused severe damage to many varieties of oats, wheat, rye, and triticale. In the 1991-92 and 1992-93 growing season, there was little damage to any of the small grain species. A very dry April and early May resulted in little or no late spring growth for both growing seasons.

Table 1. Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Tennessee Valley Substation, Belle Mina, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
Caldwell.....	-	799	1,860	1,286	3,946
Northrup King Coker 9766.....	-	1,962	1,127	748	3,837
GA GORE.....	-	1,805	1,209	823	3,836
Florida 302.....	-	1,378	1,255	1,075	3,709
Massey.....	-	1,507	1,161	818	3,486
Florida 304.....	-	1,384	1,221	832	3,436
Bayles.....	-	1,197	1,324	870	3,391
Wakefield.....	-	1,078	1,421	843	3,342
GA ANDY.....	-	1,803	867	656	3,327
Saluda.....	-	1,028	1,282	873	3,184
GA 100.....	-	933	1,200	845	2,978
Madison.....	-	642	1,303	944	2,889
Test Mean.....	-	1,293	1,269	885	3,447
C.V. (%).....	-	36	16	15	17
L.S.D (.10).....	-	656	280	188	801
Oats					
Simpson.....	-	1,385	1,531	1,422	4,338
833.....	-	1,295	1,449	1,417	4,161
Northrup King Coker 716.....	-	1,137	1,446	1,147	3,731
Florida 501.....	-	1,983	988	711	3,682
Ga Mitchell.....	-	1,543	1,192	887	3,623
Citation.....	-	1,416	1,222	846	3,484
Florida 502.....	-	1,429	1,134	767	3,330
Ozark.....	-	910	1,262	1,121	3,293
Bob.....	-	1,034	1,146	878	3,058
Test Mean.....	-	1,348	1,263	1,022	3,633
C.V. (%).....	-	19	18	9	9
L.S.D (.10).....	-	368	333	128	461
Barley					
Sussex.....	-	2,260	1,151	1,100	4,511
Wysor.....	-	1,545	1,878	1,068	4,492
Venus.....	-	1,395	1,799	1,263	4,457
Clemson 100.....	-	1,810	1,236	972	4,019
VA 85-44-226.....	-	838	2,012	1,016	3,866
Nomini.....	-	931	1,644	1,191	3,766
Test Mean.....	-	1,463	1,620	1,102	4,185
C.V. (%).....	-	43	15	11	12
L.S.D (.10).....	-	926	356	178	735

Continued

Table 1. Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Tennessee Valley Substation, Belle Mina, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	
<u>Rye</u>					
FL 8727-L1.....	-	5,001	354	1,003	6,358
Florida 401.....	-	4,039	205	974	5,218
Wren's Abruzzi AL.....	-	3,048	732	834	4,614
Florida 402.....	-	2,590	840	1,017	4,447
Bonel.....	-	2,383	1,185	832	4,401
Volunteer Magic.....	-	2,277	1,128	976	4,381
Graze King 90.....	-	2,070	1,271	922	4,263
Wintergrazer 70.....	-	1,978	1,217	905	4,100
AFC 20-20.....	-	1,900	1,077	931	3,908
Test Mean.....	-	2,810	890	933	4,632
C.V. (%).....	-	23	12	12	14
L.S.D (.10).....	-	931	146	157	926
<u>Triticale</u>					
Florida 201.....	-	3,825	228	786	4,838
Beagle 82.....	-	3,477	149	838	4,464
Sunland.....	-	3,200	255	805	4,260
Stan I.....	-	1,959	1,208	1,010	4,177
Test Mean.....	-	3,115	460	860	4,435
C.V. (%).....	-	22	29	11	17
L.S.D (.10).....	-	1,100	210	154	1,210

Table 2. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, Barley, and Triticale Varieties Cut as Forage at Tennessee Valley Substation, Belle Mina, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Caldwell.....	278	547	2,554	769	4,148
Florida 302.....	359	1,501	1,380	761	4,001
GA GORE.....	245	1,430	1,561	579	3,815
Massey.....	228	1,458	1,580	541	3,808
Northrup King Coker 9766..	247	1,567	1,348	526	3,689
Wakefield.....	329	1,051	1,636	607	3,621
Bayles.....	306	1,184	1,341	620	3,452
Saluda.....	290	813	1,748	581	3,432
Madison.....	214	840	1,714	641	3,409
<u>Oats</u>					
Simpson.....	244	1,001	2,180	1,128	4,553
833.....	213	1,036	1,973	1,147	4,369
Northrup King Coker 716...	226	917	1,868	1,044	4,054
Citation.....	287	1,161	1,711	863	4,022
Ga Mitchell.....	270	1,153	1,692	844	3,960
<u>Barley</u>					
Sussex.....	235	1,783	1,563	675	4,257
Clemson 100.....	321	1,606	1,640	612	4,179
Wysor.....	194	957	2,276	647	4,074
<u>Rye</u>					
Bonel.....	534	2,152	2,087	524	5,297
Wren's Abruzzi AL.....	542	2,786	1,396	529	5,253
Graze King 90.....	540	1,882	2,285	529	5,236
Volunteer Magic.....	420	1,761	2,439	578	5,198
Florida 401.....	573	3,071	807	696	5,147
AFC 20-20.....	433	1,771	2,326	539	5,069
Florida 402.....	473	2,551	1,361	603	4,989
<u>Triticale</u>					
Stan I.....	262	1,641	2,027	642	4,572
Beagle 82.....	405	2,542	577	636	4,160

Table 3. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Barley, and Triticale Varieties Cut as Forage at Tennessee Valley Substation, Belle Mina, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	Lb.
Wheat					
Caldwell.....	515	1,195	2,936	512	5,158
Wakefield.....	593	1,640	1,648	404	4,285
Massey.....	481	1,636	1,784	361	4,263
Madison.....	456	1,423	1,874	428	4,180
Saluda.....	558	1,200	2,018	387	4,164
Northrup King					
Coker 9766.....	514	1,545	1,536	351	3,945
Bayles.....	599	1,304	1,411	414	3,727
Florida 302.....	716	1,037	1,366	507	3,626
Oats					
Simpson.....	336	960	1,453	752	3,501
833.....	320	828	1,315	764	3,228
Northrup King Coker 716..	327	843	1,245	696	3,110
Citation.....	489	828	1,141	575	3,033
Barley					
Sussex.....	545	1,274	1,042	450	3,312
Wysor.....	419	931	1,518	431	3,299
Triticale					
Stan I.....	424	1,399	1,351	428	3,602
Beagle 82.....	585	1,695	385	424	3,089

Table 4. Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Sand Mountain Substation, Crossville, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Wakefield.....	130	429	1,705	613	2,877
GA GORE.....	65	382	1,615	764	2,827
Massey.....	71	656	1,514	550	2,789
Caldwell.....	61	42	2,166	426	2,696
Florida 304.....	73	703	1,401	513	2,690
GA ANDY.....	64	1,252	884	409	2,609
Madison.....	133	229	1,579	634	2,575
Florida 302.....	126	797	1,163	416	2,501
GA 100.....	45	502	1,338	571	2,456
Bayles.....	94	412	1,426	491	2,422
Saluda.....	109	312	1,359	526	2,305
Northrup King Coker 9766.....	147	659	1,052	446	2,304
Test Mean.....	93	531	1,433	530	2,588
C.V. (%).....	58	28	14	15	11
L.S.D (.10).....	76	205	273	112	392
<u>Oats</u>					
833.....	62	369	1,552	488	2,472
Ga Mitchell.....	292	705	1,022	353	2,371
Simpson.....	86	311	1,516	408	2,321
Bob.....	35	293	1,572	384	2,284
Citation.....	134	607	1,149	367	2,257
Florida 501.....	233	788	891	310	2,222
Ozark.....	45	204	1,296	368	1,914
Northrup King Coker 716.....	16	237	1,051	432	1,737
Florida 502.....	59	585	626	281	1,551
Test Mean.....	107	455	1,186	377	2,125
C.V. (%).....	68	33	9	10	7
L.S.D (.10).....	103	215	153	54	226
<u>Barley</u>					
Sussex.....	305	534	2,106	504	3,449
Wysor.....	202	78	2,684	431	3,395
Clemson 100.....	454	468	1,796	448	3,166
VA 85-44-226.....	96	90	2,750	226	3,161
Venus.....	273	113	2,342	410	3,138
Nomini.....	131	95	2,326	546	3,098
Test Mean.....	243	230	2,334	427	3,235
C.V. (%).....	44	16	7	22	7
L.S.D (.10).....	157	54	239	140	322

Continued

Table 4. Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Sand Mountain Substation, Crossville, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Rye</u>					
Bonel.....	856	823	1,928	893	4,499
Volunteer Magic.....	649	533	1,634	1,085	3,901
Wren's Abruzzi AL.....	1,082	1,016	990	787	3,876
FL 8727-L1.....	813	1,591	439	817	3,660
Florida 401.....	794	1,469	425	966	3,654
Wintergrazer 70.....	358	639	1,703	931	3,631
Graze King 90.....	591	699	1,437	832	3,559
AFC 20-20.....	480	746	1,387	901	3,513
Florida 402.....	252	1,211	1,055	749	3,267
Test Mean.....	653	970	1,222	885	3,729
C.V. (%).....	35	25	15	21	7
L.S.D (.10).....	325	343	254	265	397
<u>Triticale</u>					
Stan I.....	308	402	1,910	789	3,409
Sunland.....	441	1,410	280	519	2,650
Beagle 82.....	416	1,370	364	445	2,595
Florida 201.....	394	1,443	365	365	2,568
Test Mean.....	390	1,156	730	530	2,805
C.V. (%).....	24	8	5	13	6
L.S.D (.10).....	146	138	59	110	266

Table 5. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Sand Mountain Substation, Crossville, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Wakefield.....	166	524	1,793	306	2,789
Massey.....	114	791	1,591	275	2,770
GA GORE.....	136	529	1,652	382	2,700
Madison.....	175	503	1,687	317	2,683
Caldwell.....	83	57	2,271	213	2,624
Florida 302.....	299	944	1,131	208	2,582
Bayles.....	254	683	1,354	245	2,537
Saluda.....	154	415	1,648	263	2,480
Northrup King Coker 9766...	246	725	1,127	223	2,322
<u>Oats</u>					
Citation.....	200	479	1,722	184	2,585
Simpson.....	97	216	2,047	204	2,564
833.....	66	266	1,974	244	2,550
Ga Mitchell.....	214	454	1,620	176	2,463
Northrup King Coker 716....	86	166	1,764	216	2,232
<u>Barley</u>					
Wysor.....	198	140	2,663	215	3,216
Clemson 100.....	461	636	1,895	224	3,216
Sussex.....	302	635	2,011	252	3,201
<u>Rye</u>					
Bonel.....	852	1,022	2,002	446	4,322
Volunteer Magic.....	574	767	2,139	543	4,022
AFC 20-20.....	520	846	1,949	450	3,765
Graze King 90.....	437	797	2,030	416	3,680
Wren's Abruzzi AL.....	988	1,038	1,236	393	3,655
Florida 402.....	484	1,331	1,383	375	3,572
Florida 401.....	982	856	976	483	3,297
<u>Triticale</u>					
Stan I.....	188	438	2,216	394	3,237
Beagle 82.....	485	953	516	223	2,177

Table 6. Three-Year Average Seasonal Dry Matter Yield of Oats, Barley, and Rye Varieties Cut as Forage at Sand Mountain Substation, Crossville, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Oats					
Simpson.....	74	288	1,467	136	1,965
833.....	60	258	1,418	163	1,899
Citation.....	198	347	1,206	122	1,874
Northrup King Coker 716.....	65	191	1,261	144	1,662
Barley					
Wysor.....	179	407	1,987	144	2,716
Sussex.....	287	764	1,489	168	2,708
Rye					
Bonel.....	908	866	1,464	298	3,535
Volunteer Magic.....	824	707	1,568	362	3,461
AFC 20-20.....	813	783	1,481	300	3,377
Graze King 90.....	745	735	1,494	277	3,251
Wren's Abruzzi AL.....	1,089	739	892	262	2,982
Florida 402.....	788	928	993	250	2,959
Florida 401.....	1,142	571	661	322	2,696

Table 7. Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Upper Coastal Plain Substation, Winfield, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				
	Autumn	Winter	Early Spring	Late Spring	Total
	Lb.	Lb.	Lb.	Lb.	Lb.
<u>Wheat</u>					
Caldwell.....	-	880	2,529	-	3,409
Florida 304.....	-	1,778	1,379	-	3,157
Saluda.....	-	1,188	1,874	-	3,062
Wakefield.....	-	1,561	1,476	-	3,037
Massey.....	-	1,689	1,320	-	3,010
GA ANDY.....	-	1,716	1,256	-	2,972
GA GORE.....	-	1,483	1,481	-	2,963
Florida 302.....	-	1,568	1,367	-	2,935
Bayles.....	-	1,499	1,336	-	2,835
Madison.....	-	1,349	1,467	-	2,817
GA 100.....	-	1,171	1,450	-	2,620
Northrup King Coker 9766...	-	1,561	1,030	-	2,591
Test Mean.....	-	1,454	1,497	-	2,951
C.V. (%).....	-	19	14	-	12
L.S.D (.10).....	-	382	289	-	505
<u>Oats</u>					
Simpson.....	-	1,146	2,081	-	3,227
Ozark.....	-	1,550	1,668	-	3,218
Citation.....	-	1,559	1,528	-	3,087
833.....	-	1,182	1,788	-	2,970
Northrup King Coker 716....	-	817	2,152	-	2,969
Ga Mitchell.....	-	1,517	1,324	-	2,841
Florida 502.....	-	1,604	1,084	-	2,687
Florida 501.....	-	1,629	1,054	-	2,682
Bob.....	-	823	1,593	-	2,416
Test Mean.....	-	1,314	1,586	-	2,900
C.V. (%).....	-	34	27	-	21
L.S.D (.10).....	-	641	606	-	882
<u>Barley</u>					
Wysor.....	-	1,274	2,433	-	3,707
Venus.....	-	1,120	2,374	-	3,494
Nomini.....	-	984	2,170	-	3,154
VA 85-44-226.....	-	683	2,260	-	2,944
Sussex.....	-	1,426	1,510	-	2,936
Clemson 100.....	-	1,336	1,556	-	2,891
Test Mean.....	-	1,137	2,051	-	3,188
C.V. (%).....	-	25	17	-	16
L.S.D (.10).....	-	417	525	-	765

Continued

Table 7. Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Upper Coastal Plain Substation, Winfield, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	Lb.
<u>Rye</u>					
AFC 20-20.....	-	1,786	2,401	-	4,187
Florida 401.....	-	2,599	1,162	-	3,761
FL 8727-L1.....	-	2,512	1,245	-	3,757
Bonel.....	-	1,907	1,818	-	3,725
Wintergrazer 70.....	-	1,567	2,002	-	3,569
Wren's Abruzzi AL.....	-	2,073	1,480	-	3,553
Graze King 90.....	-	1,375	2,150	-	3,526
Volunteer Magic.....	-	1,300	2,092	-	3,392
Florida 402.....	-	1,449	1,345	-	2,794
Test Mean.....	-	1,841	1,744	-	3,585
C.V. (%).....	-	17	16	-	9
L.S.D (.10).....	-	443	405	-	477
<u>Triticale</u>					
Stan I.....	-	1,374	2,399	-	3,774
Sunland.....	-	2,229	1,000	-	3,229
Florida 201.....	-	1,833	1,036	-	2,868
Beagle 82.....	-	1,783	934	-	2,717
Test Mean.....	-	1,805	1,342	-	3,147
C.V. (%).....	-	28	20	-	22
L.S.D (.10).....	-	791	425	-	1,101

Table 8. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Barley, Rye, and Triticale Varieties Cut as Forage at Upper Coastal Plain Substation, Winfield, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Caldwell.....	50	601	2,011	-	2,662
Saluda.....	89	991	1,547	-	2,626
Massey.....	103	1,419	1,056	-	2,578
Florida 302.....	117	1,378	1,028	-	2,523
Wakefield.....	87	1,177	1,251	-	2,515
GA GORE.....	68	1,244	1,171	-	2,483
Bayles.....	124	1,213	991	-	2,328
Madison.....	47	1,029	1,164	-	2,240
Northrup King Coker 9766.....	109	1,207	815	-	2,131
<u>Oats</u>					
Simpson.....	76	991	1,894	-	2,961
Citation.....	153	1,329	1,381	-	2,862
833.....	53	1,032	1,490	-	2,574
Northrup King Coker 716.....	92	680	1,747	-	2,519
Ga Mitchell.....	72	1,188	1,237	-	2,497
<u>Barley</u>					
Wysor.....	30	913	1,953	-	2,896
Sussex.....	90	1,373	1,260	-	2,723
Clemson 100.....	125	1,322	1,226	-	2,673
<u>Rye</u>					
AFC 20-20.....	148	1,435	2,010	-	3,593
Bonel.....	145	1,503	1,461	-	3,109
Graze King 90.....	115	1,134	1,821	-	3,070
Wren's Abruzzi AL.....	174	1,682	1,150	-	3,005
Volunteer Magic.....	61	1,060	1,854	-	2,975
Florida 401.....	234	1,676	999	-	2,909
Florida 402.....	215	1,344	1,094	-	2,653
<u>Triticale</u>					
Stan I.....	19	1,002	1,876	-	2,896
Beagle 82.....	97	1,270	820	-	2,187

Table 9. Three-Year Average Seasonal Dry Matter Yield of Wheat, and Barley Varieties Cut as Forage at Upper Coastal Plain Substation, Winfield, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
Caldwell.....	300	526	1,780	-	2,607
Saluda.....	335	838	1,403	-	2,576
Massey.....	386	1,055	938	-	2,380
Wakefield.....	341	956	1,031	-	2,328
Florida 302.....	393	938	816	-	2,147
Bayles.....	385	849	807	-	2,042
Madison.....	309	781	929	-	2,019
Northrup King Coker 9766.....	361	879	701	-	1,942
Barley					
Wysor.....	201	684	1,723	-	2,608
Sussex.....	271	978	976	-	2,225

Table 10. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Black Belt Substation, Marion Junction, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
GA ANDY.....	-	3,113	1,670	-	4,783
Caldwell.....	-	718	3,503	-	4,222
Florida 304.....	-	2,204	1,937	-	4,141
GA GORE.....	-	1,848	2,242	-	4,091
Massey.....	-	1,909	2,174	-	4,082
Saluda.....	-	1,673	2,407	-	4,080
Bayles.....	-	2,174	1,873	-	4,047
Florida 302.....	-	1,218	2,735	-	3,953
Wakefield.....	-	1,098	2,600	-	3,698
GA 100.....	-	1,489	2,183	-	3,673
Madison.....	-	1,033	2,519	-	3,552
Northrup King Coker 9766....	-	1,199	2,283	-	3,481
Test Mean.....	-	1,640	2,344	-	3,984
C.V. (%).....	-	17	18	-	13
L.S.D (.10).....	-	384	583	-	715
Oats					
Ozark.....	-	2,026	2,809	-	4,834
Citation.....	-	3,059	1,573	-	4,632
833.....	-	2,587	1,932	-	4,519
Florida 502.....	-	3,431	1,057	-	4,488
Florida 501.....	-	3,459	999	-	4,458
Simpson.....	-	2,342	2,062	-	4,404
Ga Mitchell.....	-	3,237	1,127	-	4,365
Bob.....	-	2,375	1,605	-	3,980
Northrup King Coker 227....	-	2,643	1,248	-	3,892
Test Mean.....	-	2,796	1,601	-	4,397
C.V. (%).....	-	10	12	-	5
L.S.D (.10).....	-	392	283	-	344

Continued

Table 10. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Black Belt
Substation, Marion Junction, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	
<u>Rye</u>					
Florida 401.....	-	4,266	1,378	-	5,644
FL 8727-L1.....	-	3,683	1,368	-	5,051
Wren's Abruzzi AL.....	-	2,609	2,131	-	4,740
Bonel.....	-	1,577	2,880	-	4,458
Florida 402.....	-	2,096	2,316	-	4,412
CGI 90.....	-	1,151	2,993	-	4,144
Wintergrazer 70.....	-	1,100	2,998	-	4,098
Gurley Grazer 2000.....	-	1,301	2,649	-	3,950
Test Mean.....	-	2,223	2,339	-	4,562
C.V. (%).....	-	12	14	-	8
L.S.D (.10).....	-	387	476	-	497
<u>Triticale</u>					
Florida 201.....	-	3,695	1,986	-	5,681
Beagle 82.....	-	3,545	1,598	-	5,142
Sunland.....	-	3,180	1,907	-	5,087
Test Mean.....	-	3,473	1,830	-	5,303
C.V. (%).....	-	6	27	-	9
L.S.D (.10).....	-	392	848	-	811

Table 11. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Black Belt Substation, Marion Junction, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
GA ANDY.....	94	3,300	1,022	-	4,417
Caldwell.....	110	859	2,712	-	3,681
GA GORE.....	85	1,845	1,604	-	3,534
Massey.....	71	2,054	1,373	-	3,498
Bayles.....	116	2,231	1,104	-	3,451
Saluda.....	84	1,437	1,906	-	3,428
Florida 302.....	119	1,510	1,574	-	3,203
Wakefield.....	138	1,429	1,625	-	3,192
GA 100.....	92	1,641	1,373	-	3,106
Madison.....	109	1,432	1,549	-	3,090
Northrup King Coker 9766.....	102	1,495	1,398	-	2,995
Oats					
Citation.....	85	1,972	1,411	-	3,469
Florida 502.....	32	2,152	1,039	-	3,224
833.....	48	1,708	1,445	-	3,202
Florida 501.....	49	2,155	928	-	3,133
Simpson.....	34	1,328	1,769	-	3,131
Ga Mitchell.....	49	2,164	810	-	3,023
Northrup King Coker 227.....	33	1,864	1,047	-	2,944
Rye					
Florida 401.....	85	3,919	801	-	4,805
Wren's Abruzzi AL.....	66	3,094	1,264	-	4,425
Florida 402.....	65	2,514	1,344	-	3,922
Bonel.....	73	1,752	1,721	-	3,546
Gurley Grazer 2000.....	70	1,490	1,862	-	3,422
Triticale					
Florida 201.....	93	3,595	1,164	-	4,853
Beagle 82.....	97	3,239	922	-	4,258

Table 12. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, and Rye Varieties Cut as Forage at Black Belt Substation, Marion Junction, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				
	Autumn	Winter	Early Spring	Late Spring	Total
	Lb.	Lb.	Lb.	Lb.	Lb.
<u>Wheat</u>					
GA ANDY.....	918	2,204	682	-	3,804
Massey.....	624	1,471	915	-	3,010
GA GORE.....	522	1,327	1,069	-	2,918
Saluda.....	580	1,035	1,271	-	2,885
Bayles.....	573	1,565	736	-	2,874
Florida 302.....	672	1,073	1,049	-	2,794
GA 100.....	615	1,194	916	-	2,724
Wakefield.....	516	1,122	1,083	-	2,722
Caldwell.....	264	611	1,808	-	2,683
Madison.....	449	1,082	1,033	-	2,564
Northrup King Coker 9766.....	555	1,070	932	-	2,557
<u>Oats</u>					
Citation.....	425	1,368	941	-	2,734
833.....	351	1,205	963	-	2,519
Northrup King Coker 227.....	524	1,287	698	-	2,508
Florida 502.....	290	1,460	693	-	2,443
Florida 501.....	317	1,462	619	-	2,398
Simpson.....	126	957	1,179	-	2,262
<u>Rye</u>					
Wren's Abruzzi AL.....	456	2,094	843	-	3,393
Gurley Grazer 2000.....	365	1,047	1,242	-	2,653
Bone1.....	281	1,199	1,148	-	2,628

Table 13. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Prattville Field, Prattville, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn Lb.	Winter Lb.	Early Spring Lb.	Late Spring Lb.	
<u>Wheat</u>					
Saluda.....	-	2,036	1,933	-	3,969
Caldwell.....	-	1,247	2,371	-	3,619
Wakefield.....	-	2,057	1,487	-	3,544
GA GORE.....	-	1,893	1,523	-	3,417
Massey.....	-	1,979	1,390	-	3,369
Florida 304.....	-	2,184	1,131	-	3,314
Florida 302.....	-	1,891	1,360	-	3,251
Madison.....	-	1,636	1,519	-	3,155
Bayles.....	-	1,950	1,150	-	3,101
GA 100.....	-	1,646	1,138	-	2,784
Northrup King Coker 9766.....	-	1,687	1,093	-	2,781
GA ANDY.....	-	1,687	1,059	-	2,746
Test Mean.....	-	1,824	1,430	-	3,254
C.V. (%).....	-	15	11	-	10
L.S.D (.10).....	-	371	219	-	453
<u>Oats</u>					
Simpson.....	-	2,566	1,922	-	4,488
Ozark.....	-	2,298	2,014	-	4,313
Bob.....	-	2,554	1,631	-	4,185
Citation.....	-	2,391	1,765	-	4,155
833.....	-	2,275	1,692	-	3,967
Ga Mitchell.....	-	2,192	1,636	-	3,829
Northrup King Coker 227.....	-	2,311	1,475	-	3,787
Florida 502.....	-	2,014	1,376	-	3,390
Florida 501.....	-	1,903	1,359	-	3,262
Test Mean.....	-	2,278	1,652	-	3,931
C.V. (%).....	-	9	11	-	7
L.S.D (.10).....	-	296	259	-	399

Continued

Table 13. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Prattville Field, Prattville, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Rye					
Bonel.....	-	2,266	2,488	-	4,754
Gurley Grazer 2000.....	-	2,352	2,230	-	4,582
Wintergrazer 70.....	-	2,074	2,444	-	4,518
FL 8727-L1.....	-	3,000	1,440	-	4,440
CGI 90.....	-	2,101	2,278	-	4,379
Florida 401.....	-	2,899	1,474	-	4,373
Wren's Abruzzi AL.....	-	2,126	2,202	-	4,328
Florida 402.....	-	1,904	1,957	-	3,861
Test Mean.....	-	2,340	2,064	-	4,404
C.V. (%).....	-	12	8	-	7
L.S.D (.10).....	-	410	231	-	454
Triticale					
Florida 201.....	-	2,696	570	-	3,265
Sunland.....	-	2,248	592	-	2,841
Beagle 82.....	-	2,347	389	-	2,736
Test Mean.....	-	2,430	517	-	2,947
C.V. (%).....	-	15	23	-	10
L.S.D (.10).....	-	621	204	-	497

Table 14. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Prattville Field, Prattville, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Saluda.....	176	1,475	2,515	-	4,165
Wakefield.....	183	1,620	2,299	-	4,103
Caldwell.....	83	835	3,133	-	4,050
GA GORE.....	117	1,504	2,191	-	3,812
Massey.....	101	1,741	1,853	-	3,695
Florida 302.....	199	1,716	1,634	-	3,550
GA 100.....	144	1,551	1,806	-	3,500
Madison.....	109	1,315	2,003	-	3,426
Bayles.....	181	1,716	1,509	-	3,406
Northrup King Coker 9766.....	175	1,515	1,503	-	3,193
GA ANDY.....	120	1,517	1,426	-	3,063
<u>Oats</u>					
Simpson.....	147	1,605	2,580	-	4,333
Citation.....	206	1,844	2,268	-	4,319
Northrup King Coker 227.....	116	1,796	2,091	-	4,003
Ga Mitchell.....	119	1,825	2,028	-	3,972
833.....	84	1,664	2,188	-	3,936
Florida 501.....	234	1,668	1,976	-	3,878
Florida 502.....	92	1,664	1,990	-	3,746
<u>Rye</u>					
Bonel.....	406	1,970	2,439	-	4,815
Gurley Grazer 2000.....	386	1,798	2,533	-	4,717
Florida 401.....	439	2,334	1,878	-	4,651
Wren's Abruzzi AL.....	299	1,999	2,206	-	4,504
Florida 402.....	307	2,065	2,068	-	4,440
<u>Triticale</u>					
Florida 201.....	273	1,970	1,020	-	3,263
Beagle 82.....	357	1,881	1,021	-	3,259

Table 15. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, and Rye Varieties Cut as Forage at Prattville Field, Prattville, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
Caldwell.....	176	961	2,862	-	3,998
Saluda.....	242	1,426	2,309	-	3,976
Wakefield.....	262	1,720	1,945	-	3,926
GA GORE.....	208	1,511	1,998	-	3,718
Massey.....	187	1,655	1,694	-	3,536
GA 100.....	236	1,573	1,552	-	3,361
Bayles.....	277	1,597	1,441	-	3,315
Florida 302.....	299	1,551	1,440	-	3,290
Madison.....	172	1,377	1,735	-	3,285
Northrup King Coker 9766.....	263	1,436	1,431	-	3,131
GA ANDY.....	290	1,298	1,193	-	2,781
Oats					
Citation.....	304	1,644	2,312	-	4,260
Simpson.....	214	1,471	2,491	-	4,177
Northrup King Coker 227.....	220	1,598	2,257	-	4,076
833.....	173	1,491	2,297	-	3,961
Florida 501.....	258	1,354	1,991	-	3,603
Florida 502.....	168	1,325	1,863	-	3,355
Rye					
Bonel.....	454	1,855	2,310	-	4,619
Gurley Grazer 2000.....	473	1,767	2,270	-	4,511
Wren's Abruzzi AL.....	456	1,811	1,967	-	4,235
Florida 402.....	414	1,795	1,888	-	4,097

Table 16. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at E. V. Smith Research Center, Tallassee, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE.....	675	641	5,123	-	6,439
Florida 304.....	1,069	698	4,495	-	6,263
Massey.....	884	676	4,565	-	6,125
Bayles.....	755	760	4,202	-	5,717
GA 100.....	547	607	4,496	-	5,650
Saluda.....	789	652	3,954	-	5,395
Northrup King Coker 9766.....	364	481	3,490	-	4,334
Wakefield.....	378	467	2,762	-	3,607
Florida 302.....	177	400	2,877	-	3,453
Caldwell.....	547	315	2,234	-	3,097
GA ANDY.....	407	802	1,729	-	2,938
Madison.....	77	202	2,462	-	2,741
Test Mean.....	556	558	3,532	-	4,647
C.V. (%).....	37	28	23	-	22
L.S.D (.10).....	292	216	1,115	-	1,409
<u>Oats</u>					
Citation.....	1,801	838	2,712	-	5,351
833.....	857	653	3,027	-	4,537
Northrup King Coker 227.....	973	1,013	2,492	-	4,478
Ga Mitchell.....	1,069	780	2,582	-	4,431
Florida 501.....	1,245	850	2,223	-	4,318
Ozark.....	850	530	2,556	-	3,936
Florida 502.....	712	696	2,481	-	3,889
Bob.....	708	596	2,558	-	3,863
Simpson.....	676	406	1,709	-	2,791
Test Mean.....	988	707	2,482	-	4,177
C.V. (%).....	34	24	15	-	11
L.S.D (.10).....	482	247	521	-	683

Continued

Table 16. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at E. V. Smith
Research Center, Tallassee, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	
<u>Rye</u>					
Bonel.....	1,963	1,561	5,825	1,973	11,322
Florida 402.....	1,215	1,201	5,885	2,059	10,360
Wintergrazer 70.....	1,374	1,071	5,875	1,697	10,017
Wren's Abruzzi AL.....	1,920	1,564	5,003	1,465	9,952
CGI 90.....	1,898	1,031	5,296	1,704	9,929
Gurley Grazer 2000.....	1,307	1,219	5,133	1,444	9,104
Florida 401.....	1,841	1,096	3,916	2,043	8,896
FL 8727-L1.....	2,159	1,113	3,121	1,945	8,338
Test Mean.....	1,710	1,232	5,007	1,791	9,740
C.V. (%).....	34	16	13	12	9
L.S.D (.10).....	837	285	940	314	1,307
<u>Triticale</u>					
Sunland.....	1,417	1,038	1,180	-	3,635
Florida 201.....	1,172	927	1,367	-	3,466
Beagle 82.....	1,085	856	1,285	-	3,226
Test Mean.....	1,225	940	1,277	-	3,442
C.V. (%).....	28	10	8	-	8
L.S.D (.10).....	601	169	172	-	490

Table 17. Two-Year Average Seasonal Dry Matter Yield of Wheat Oats, Rye, and Triticale Varieties Cut as Forage at E. V. Smith Research Center, Tallassee, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE.....	1,344	1,143	3,408	229	6,124
Saluda.....	1,330	1,049	3,199	301	5,879
Bayles.....	1,514	1,389	2,650	71	5,624
Massey.....	1,197	1,397	2,960	43	5,597
GA 100.....	1,147	1,342	2,807	109	5,405
Northrup King Coker 9766.....	1,150	1,315	2,361	205	5,030
Wakefield.....	1,181	1,149	2,066	321	4,717
Florida 302.....	1,123	1,302	2,028	103	4,556
Madison.....	1,049	1,122	2,085	229	4,486
Caldwell.....	1,029	556	2,459	310	4,354
GA ANDY.....	1,219	1,020	1,320	87	3,646
<u>Oats</u>					
Citation.....	1,911	1,115	2,366	494	5,886
833.....	1,232	1,020	2,657	763	5,672
Florida 501.....	1,897	1,157	2,087	454	5,595
Ga Mitchell.....	1,676	1,078	2,148	537	5,440
Northrup King Coker 227.....	1,369	1,198	2,105	501	5,174
Florida 502.....	1,420	1,111	2,041	283	4,855
Simpson.....	1,148	660	2,066	693	4,567
<u>Rye</u>					
Bonel.....	2,224	1,778	4,183	1,005	9,191
Gurley Grazer 2000.....	1,985	1,481	4,003	825	8,294
Florida 402.....	1,752	1,601	3,846	1,075	8,274
Wren's Abruzzi AL.....	2,260	1,795	3,212	919	8,185
Florida 401.....	2,408	1,400	2,596	1,070	7,475
<u>Triticale</u>					
Beagle 82.....	2,002	1,030	1,058	0	4,090
Florida 201.....	1,786	945	1,105	0	3,836

Table 18. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at E. V. Smith Research Center, Tallassee, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE.....	1,300	1,059	2,834	153	5,346
Saluda.....	1,297	967	2,865	201	5,329
Massey.....	1,187	1,322	2,329	29	4,866
Bayles.....	1,427	1,237	2,104	47	4,816
GA 100.....	1,111	1,258	2,250	73	4,691
Northrup King Coker 9766.....	1,177	1,228	1,958	136	4,500
Caldwell.....	934	558	2,597	207	4,296
Wakefield.....	1,108	1,091	1,810	214	4,222
Florida 302.....	1,175	1,183	1,684	69	4,111
Madison.....	1,013	1,077	1,787	153	4,029
GA ANDY.....	1,256	820	1,021	58	3,154
<u>Oats</u>					
833.....	1,187	923	2,361	509	4,980
Citation.....	1,678	963	1,933	329	4,903
Northrup King Coker 227.....	1,273	1,023	1,916	334	4,546
Florida 501.....	1,595	918	1,638	303	4,453
Simpson.....	1,082	641	2,005	462	4,190
Florida 502.....	1,275	930	1,698	188	4,092
<u>Rye</u>					
Bonel.....	2,035	1,440	3,463	670	7,608
Gurley Grazer 2000.....	1,904	1,289	3,295	550	7,037
Wren's Abruzzi AL.....	2,242	1,518	2,513	612	6,886
Florida 402.....	1,791	1,386	2,922	717	6,816
<u>Triticale</u>					
Beagle 82.....	1,756	751	813	0	3,319
Florida 201.....	1,651	646	839	0	3,136

Table 19. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Gulf Coast
Substation, Fairhope, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE.....	2,099	1,485	2,156	-	5,741
Pioneer 2548.....	2,733	1,024	1,796	-	5,553
Florida 304.....	2,622	1,369	1,282	-	5,273
Saluda.....	2,648	1,006	1,298	-	4,953
Wakefield.....	2,361	1,273	1,224	-	4,858
Massey.....	2,552	1,331	860	-	4,743
Madison.....	2,018	1,475	1,141	-	4,634
Florida 302.....	2,266	1,240	1,099	-	4,605
Bayles.....	2,229	1,189	1,149	-	4,567
GA 100.....	2,153	1,224	1,040	-	4,418
GA ANDY.....	2,445	914	617	-	3,976
Test Mean.....	2,375	1,230	1,242	-	4,847
C.V. (%).....	13	12	11	-	7
L.S.D (.10).....	419	213	192	-	496
<u>Oats</u>					
FFR SS 7630.....	2,446	1,169	2,198	-	5,813
833.....	2,055	1,417	1,739	-	5,212
Citation.....	2,270	1,369	1,407	-	5,045
Simpson.....	2,592	1,155	922	-	4,669
Ozark.....	2,129	1,099	1,399	-	4,628
Ga Mitchell.....	2,558	1,010	1,057	-	4,625
Florida 502.....	2,059	1,149	1,059	-	4,267
Florida 501.....	2,474	941	732	-	4,146
Bob.....	1,827	1,258	937	-	4,021
Test Mean.....	2,268	1,174	1,272	-	4,714
C.V. (%).....	12	14	13	-	6
L.S.D (.10).....	397	236	236	-	416

Continued

Table 19. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Gulf Coast Substation, Fairhope, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Rye</u>					
GI 87.....	2,800	1,076	2,367	-	6,243
AFC 20-10.....	2,783	1,141	2,226	-	6,149
Dossco Grazer III.....	2,789	966	2,393	-	6,148
AFC 20-30.....	2,716	861	2,384	-	5,961
GI 88.....	2,579	957	2,384	-	5,921
AFC 20-20.....	2,820	984	2,106	-	5,911
Wintergrazer 70.....	2,699	915	2,175	-	5,789
Bonel.....	2,962	876	1,898	-	5,737
Sawan Grazer.....	2,672	878	2,142	-	5,692
Wren's Abruzzi AL.....	3,036	992	1,526	-	5,553
Florida 402.....	2,650	1,041	1,792	-	5,483
Gainey SS 2.....	2,054	791	1,408	-	4,253
Florida 401.....	2,348	291	1,229	-	3,868
FL 8727-L1.....	2,129	402	1,209	-	3,741
Test Mean.....	2,645	870	1,946	-	5,461
C.V. (%).....	12	18	8	-	7
L.S.D (.10).....	424	215	215	-	548
<u>Triticale</u>					
Beagle 82.....	2,656	320	676	-	3,651
Sunland.....	2,457	385	716	-	3,558
Florida 201.....	2,599	246	611	-	3,456
Test Mean.....	2,571	317	668	-	3,555
C.V. (%).....	16	39	20	-	10
L.S.D (.10).....	705	214	237	-	598

Table 20. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Gulf Coast Substation, Fairhope, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE.....	2,187	1,804	1,922	-	5,913
Pioneer 2548.....	2,693	1,568	1,467	-	5,728
Saluda.....	2,828	1,291	1,256	-	5,375
Massey.....	2,671	1,759	943	-	5,373
Florida 302.....	2,588	1,488	854	-	4,930
Bayles.....	2,527	1,341	989	-	4,858
Madison.....	2,178	1,678	783	-	4,639
GA 100.....	2,185	1,519	899	-	4,604
GA ANDY.....	2,505	921	656	-	4,081
<u>Oats</u>					
FFR SS 7630.....	2,437	1,524	2,339	-	6,299
833.....	2,120	1,646	1,870	-	5,636
Citation.....	2,216	1,649	1,714	-	5,578
Simpson.....	2,319	1,268	1,664	-	5,251
Ga Mitchell.....	2,372	1,434	1,434	-	5,241
Florida 502.....	1,970	1,524	1,441	-	4,935
Florida 501.....	2,286	1,248	1,369	-	4,903
<u>Rye</u>					
GI 87.....	2,924	1,465	2,001	-	6,391
AFC 20-10.....	2,776	1,391	1,914	-	6,080
AFC 20-20.....	2,656	1,449	1,770	-	5,875
AFC 20-30.....	2,453	1,317	1,918	-	5,688
Bonel.....	2,909	1,264	1,514	-	5,686
Sawan Grazer.....	2,576	1,323	1,778	-	5,677
Wintergrazer 70.....	2,526	1,261	1,699	-	5,486
Wren's Abruzzi AL.....	2,890	1,182	1,312	-	5,384
Florida 402.....	2,562	1,260	1,515	-	5,337
Florida 401.....	2,197	502	1,275	-	3,974
<u>Triticale</u>					
Beagle 82.....	2,581	570	831	-	3,982
Florida 201.....	2,660	466	793	-	3,919

Table 21. Three-Year Average Seasonal Dry Matter Yield of Oats, Rye, and Triticale Varieties Cut as Forage at Gulf Coast Substation, Fairhope, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	
<u>Oats</u>					
FFR SS 7630.....	2,236	1,350	1,827	-	5,412
Citation.....	2,227	1,466	1,302	-	4,995
833.....	2,175	1,303	1,390	-	4,868
Simpson.....	2,123	1,176	1,285	-	4,584
Florida 501.....	2,189	1,007	1,044	-	4,240
Florida 502.....	1,871	1,197	1,061	-	4,129
<u>Rye</u>					
GI 87.....	2,770	1,374	1,548	-	5,693
AFC 20-10.....	2,647	1,290	1,548	-	5,484
AFC 20-20.....	2,539	1,336	1,469	-	5,344
AFC 20-30.....	2,350	1,230	1,561	-	5,141
Bone1.....	2,581	1,222	1,296	-	5,099
Wintergrazer 70.....	2,425	1,244	1,409	-	5,078
Florida 402.....	2,409	1,235	1,195	-	4,838
Wren's Abruzzi AL.....	2,678	1,134	1,012	-	4,824
Florida 401.....	2,111	459	954	-	3,525
<u>Triticale</u>					
Florida 201.....	2,571	386	579	-	3,536
Beagle 82.....	2,353	514	630	-	3,497

Table 22. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Brewton Field, Brewton, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	Lb.
<u>Wheat</u>					
GA GORE.....	701	751	1,875	-	3,327
Wakefield.....	1,002	1,000	1,219	-	3,222
Florida 304.....	1,081	1,365	767	-	3,214
Pioneer 2548.....	746	732	1,602	-	3,080
Bayles.....	940	1,117	950	-	3,008
GA 100.....	762	1,267	876	-	2,904
Florida 302.....	872	1,069	941	-	2,883
Massey.....	795	1,349	692	-	2,836
Saluda.....	821	702	1,125	-	2,647
Madison.....	614	1,088	862	-	2,563
GA ANDY.....	1,015	777	574	-	2,366
Test Mean.....	850	1,020	1,044	-	2,914
C.V. (%).....	10	11	10	-	7
L.S.D (.10).....	122	153	153	-	272
<u>Oats</u>					
Citation.....	1,329	1,071	1,226	-	3,627
FFR SS 7630.....	1,043	987	1,589	-	3,618
833.....	893	1,194	1,270	-	3,358
Ga Mitchell.....	1,282	1,073	956	-	3,311
Florida 502.....	929	1,110	1,256	-	3,294
Florida 501.....	1,438	957	861	-	3,256
Bob.....	1,089	1,011	961	-	3,061
Simpson.....	929	833	1,292	-	3,053
Ozark.....	954	940	1,116	-	3,011
Test Mean.....	1,099	1,019	1,170	-	3,288
C.V. (%).....	6	7	10	-	5
L.S.D (.10).....	95	105	168	-	239

Continued

Table 22. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Brewton Field,
Brewton, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn Lb.	Winter Lb.	Early Spring Lb.	Late Spring Lb.	
<u>Rye</u>					
Wintergrazer 70.....	1,047	1,417	2,214	-	4,679
AFC 20-30.....	1,174	1,303	2,181	-	4,658
Dossco Grazer III.....	1,036	1,335	2,246	-	4,617
GI 88.....	1,011	1,374	2,213	-	4,598
AFC 20-10.....	1,148	1,333	2,074	-	4,556
GI 87.....	1,105	1,456	1,948	-	4,509
Wren's Abruzzi AL.....	1,440	1,721	1,338	-	4,499
Bonel.....	1,157	1,597	1,591	-	4,345
Sawan Grazer.....	1,065	1,346	1,887	-	4,298
Florida 402.....	1,045	1,492	1,756	-	4,293
AFC 20-20.....	1,184	1,337	1,753	-	4,274
Florida 401.....	1,552	987	1,559	-	4,099
FL 8727-L1.....	1,429	826	1,475	-	3,730
Gainey SS 2.....	1,024	1,130	1,550	-	3,705
Test Mean.....	1,173	1,333	1,842	-	4,347
C.V. (%).....	7	10	9	-	6
L.S.D (.10).....	121	192	222	-	340
<u>Triticale</u>					
Sunland.....	1,397	899	620	-	2,916
Beagle 82.....	1,376	860	480	-	2,715
Florida 201.....	1,430	747	409	-	2,585
Test Mean.....	1,401	835	503	-	2,739
C.V. (%).....	7	12	8	-	7
L.S.D (.10).....	168	170	72	-	349

Table 23. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Brewton Field, Brewton, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
GA GORE.....	351	637	2,113	-	3,100
Pioneer 2548.....	373	701	2,019	-	3,092
Saluda.....	411	612	1,898	-	2,921
Florida 302.....	436	947	1,521	-	2,904
GA 100.....	381	906	1,603	-	2,890
Bayles.....	470	925	1,330	-	2,725
Massey.....	397	932	1,335	-	2,665
Madison.....	307	807	1,457	-	2,571
GA ANDY.....	508	698	1,248	-	2,453
Oats					
Citation.....	665	970	1,985	-	3,620
FFR SS 7630.....	521	858	2,051	-	3,430
833.....	447	870	2,091	-	3,407
Florida 501.....	719	895	1,647	-	3,261
Ga Mitchell.....	641	873	1,723	-	3,237
Florida 502.....	465	927	1,816	-	3,208
Simpson.....	464	670	2,022	-	3,157
Rye					
Wintergrazer 70.....	524	1,147	2,788	-	4,458
AFC 20-20.....	592	1,014	2,735	-	4,341
GI 87.....	553	1,156	2,561	-	4,269
AFC 20-10.....	574	1,033	2,647	-	4,255
Wren's Abruzzi AL.....	720	1,560	1,936	-	4,215
AFC 20-30.....	587	961	2,651	-	4,199
Bonel.....	578	1,280	2,188	-	4,046
Sawan Grazer.....	533	989	2,422	-	3,943
Florida 402.....	523	1,349	2,060	-	3,931
Florida 401.....	776	1,557	1,528	-	3,861
Triticale					
Beagle 82.....	688	1,133	816	-	2,637
Florida 201.....	715	752	1,038	-	2,506

Table 24. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, and Rye Varieties Cut as Forage at Brewton Field, Brewton, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total
	Autumn Lb.	Winter Lb.	Early Spring Lb.	Late Spring Lb.	
<u>Wheat</u>					
Florida 302.....	1,116	854	1,014	-	2,983
GA GORE.....	848	685	1,409	-	2,941
GA 100.....	885	930	1,069	-	2,883
Saluda.....	943	651	1,265	-	2,859
Bayles.....	1,047	894	886	-	2,827
Pioneer 2548.....	736	734	1,346	-	2,815
Massey.....	911	1,008	890	-	2,810
Madison.....	707	827	971	-	2,505
GA ANDY.....	976	585	832	-	2,393
<u>Oats</u>					
Citation.....	1,243	1,027	1,323	-	3,594
FFR SS 7630.....	953	1,036	1,367	-	3,356
833.....	874	984	1,394	-	3,252
Florida 501.....	880	880	1,098	-	3,151
Simpson.....	895	873	1,348	-	3,115
Florida 502.....	798	885	1,211	-	2,893
<u>Rye</u>					
Wintergrazer 70.....	1,235	1,116	1,859	-	4,210
Wren's Abruzzi AL.....	1,405	1,359	1,291	-	4,054
GI 87.....	1,206	1,132	1,707	-	4,045
AFC 20-30.....	1,276	987	1,767	-	4,030
AFC 20-20.....	1,187	1,006	1,823	-	4,016
AFC 20-10.....	1,178	979	1,765	-	3,922
Florida 402.....	1,217	1,227	1,373	-	3,817
Bonel.....	1,154	1,171	1,459	-	3,783
Florida 401.....	1,479	1,170	1,019	-	3,667

Table 25. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Monroeville Field,
Monroeville, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
Pioneer 2548.....	2,132	2,234	1,773	-	6,139
Saluda.....	2,074	1,755	1,771	-	5,600
GA GORE.....	1,920	2,078	1,599	-	5,598
Florida 302.....	2,351	2,246	868	-	5,465
Florida 304.....	2,344	2,473	490	-	5,308
Wakefield.....	2,064	2,106	1,082	-	5,252
Massey.....	1,965	2,406	514	-	4,884
GA 100.....	1,701	2,355	789	-	4,845
Madison.....	1,741	2,104	924	-	4,769
Bayles.....	1,876	2,002	593	-	4,471
GA ANDY.....	1,958	1,676	464	-	4,097
Test Mean.....	2,012	2,130	988	-	5,130
C.V. (%).....	11	7	12	-	6
L.S.D (.10).....	311	206	168	-	408
Oats					
FFR SS 7630.....	2,344	1,500	1,266	-	5,110
Citation.....	2,256	1,882	869	-	5,007
Ozark.....	2,110	1,607	1,194	-	4,912
Ga Mitchell.....	2,265	1,788	742	-	4,795
833.....	1,962	1,560	1,239	-	4,761
Florida 502.....	2,038	2,046	663	-	4,747
Florida 501.....	2,445	1,704	571	-	4,720
Simpson.....	2,077	1,339	1,013	-	4,430
Bob.....	1,825	1,726	787	-	4,338
Test Mean.....	2,147	1,684	927	-	4,758
C.V. (%).....	10	11	17	-	8
L.S.D (.10).....	306	268	222	-	560

Continued

Table 25. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Monroeville Field,
Monroeville, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Rye					
Sawan Grazer.....	2,521	1,939	2,020	-	6,479
AFC 20-30.....	2,467	1,817	2,032	-	6,315
Wintergrazer 70.....	2,157	1,985	2,097	-	6,239
Dossco Grazer III.....	2,112	1,929	2,098	-	6,139
AFC 20-10.....	2,407	1,778	1,835	-	6,019
Wren's Abruzzi AL.....	2,762	2,052	1,193	-	6,007
Bonel.....	2,577	2,021	1,372	-	5,970
AFC 20-20.....	2,200	1,898	1,692	-	5,790
Florida 402.....	2,117	2,218	1,448	-	5,783
GI 88.....	2,252	1,714	1,808	-	5,774
GI 87.....	2,337	1,639	1,753	-	5,729
FL 8727-L1.....	2,303	1,175	1,696	-	5,174
Gainey SS 2.....	2,105	1,587	1,413	-	5,105
Florida 401.....	2,196	1,256	1,599	-	5,051
Test Mean.....	2,322	1,786	1,718	-	5,827
C.V. (%).....	23	11	12	-	13
L.S.D (.10).....	742	278	299	-	1,039
Triticale					
Beagle 82.....	2,859	1,279	487	-	4,626
Florida 201.....	3,010	1,165	433	-	4,608
Sunland.....	2,481	1,315	580	-	4,376
Test Mean.....	2,784	1,253	500	-	4,537
C.V. (%).....	25	11	15	-	19
L.S.D (.10).....	1,227	241	127	-	1,474

Table 26. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Monroeville Field, Monroeville, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Pioneer 2548.....	1,815	1,820	1,241	-	4,876
Saluda.....	1,716	1,492	1,291	-	4,499
Florida 302.....	1,971	1,858	533	-	4,362
GA GORE.....	1,519	1,698	1,138	-	4,356
Massey.....	1,558	2,192	369	-	4,119
GA 100.....	1,495	2,009	500	-	4,003
Madison.....	1,402	1,878	613	-	3,893
Bayles.....	1,706	1,697	378	-	3,781
GA ANDY.....	1,702	1,294	359	-	3,356
<u>Oats</u>					
Citation.....	1,971	1,723	879	-	4,574
FFR SS 7630.....	1,957	1,412	1,205	-	4,573
833.....	1,732	1,553	1,111	-	4,397
Ga Mitchell.....	1,906	1,709	721	-	4,335
Florida 501.....	2,004	1,567	654	-	4,224
Florida 502.....	1,664	1,884	591	-	4,139
Simpson.....	1,726	1,250	1,073	-	4,050
<u>Rye</u>					
Sawan Grazer.....	2,216	1,714	1,453	-	5,382
Bonel.....	2,365	1,901	960	-	5,226
Wintergrazer 70.....	2,053	1,717	1,324	-	5,093
AFC 20-10.....	2,153	1,604	1,330	-	5,088
AFC 20-30.....	2,149	1,601	1,328	-	5,077
GI 87.....	2,136	1,560	1,347	-	5,042
Wren's Abruzzi AL.....	2,493	1,721	724	-	4,937
AFC 20-20.....	1,997	1,646	1,258	-	4,901
Florida 402.....	2,081	1,851	866	-	4,798
Florida 401.....	2,224	1,107	998	-	4,329
<u>Triticale</u>					
Beagle 82.....	2,421	991	390	-	3,803
Florida 201.....	2,357	856	327	-	3,540

Table 27. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, and Rye Varieties Cut as Forage at Monroeville Field, Monroeville, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Pioneer 2548.....	1,519	1,767	827	-	4,114
Massey.....	1,363	2,344	246	-	3,953
GA GORE.....	1,362	1,716	759	-	3,836
Saluda.....	1,440	1,529	861	-	3,830
Florida 302.....	1,696	1,761	355	-	3,812
GA 100.....	1,351	2,003	333	-	3,688
Bayles.....	1,497	1,704	252	-	3,454
Madison.....	1,191	1,845	409	-	3,444
GA ANDY.....	1,504	1,120	239	-	2,863
<u>Oats</u>					
FFR SS 7630.....	1,559	1,700	803	-	4,062
Citation.....	1,661	1,798	586	-	4,045
833.....	1,408	1,753	741	-	3,902
Simpson.....	1,368	1,596	715	-	3,679
Florida 501.....	1,678	1,389	436	-	3,502
Florida 502.....	1,448	1,644	394	-	3,486
<u>Rye</u>					
AFC 20-30.....	1,932	1,752	885	-	4,569
Wintergrazer 70.....	1,844	1,787	882	-	4,513
Bonel.....	1,978	1,886	640	-	4,504
AFC 20-10.....	1,906	1,664	887	-	4,457
Wren's Abruzzi AL.....	2,152	1,783	483	-	4,417
GI 87.....	1,901	1,610	898	-	4,409
Florida 402.....	1,837	1,957	577	-	4,371
AFC 20-20.....	1,760	1,719	839	-	4,318
Florida 401.....	2,053	1,045	665	-	3,763

Table 28. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Wiregrass Substation, Headland, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
Wheat					
GA GORE.....	1,821	3,510	2,014	-	7,344
Florida 304.....	1,431	4,572	1,165	-	7,168
Pioneer 2548.....	693	3,582	1,799	-	6,074
GA 100.....	1,038	3,749	860	-	5,647
Bayles.....	1,154	3,362	1,027	-	5,543
Massey.....	1,482	2,818	808	-	5,108
Florida 302.....	1,312	2,605	1,102	-	5,019
Madison.....	1,104	2,918	994	-	5,016
GA ANDY.....	1,431	2,659	806	-	4,896
Saluda.....	1,061	2,542	1,267	-	4,870
Wakefield.....	1,344	2,391	1,132	-	4,867
Test Mean.....	1,261	3,155	1,179	-	5,596
C.V. (%).....	40	17	20	-	14
L.S.D (.10).....	717	735	338	-	1,076
Oats					
FFR SS 7630.....	2,716	5,030	1,758	-	9,505
Citation.....	1,578	5,423	1,835	-	8,836
Simpson.....	2,516	4,569	1,593	-	8,678
833.....	2,004	4,782	1,674	-	8,460
Ga Mitchell.....	2,230	4,523	1,645	-	8,398
Florida 501.....	2,071	4,160	1,682	-	7,913
Florida 502.....	1,240	4,396	2,082	-	7,717
Ozark.....	1,078	4,640	1,908	-	7,626
Bob.....	1,485	3,810	1,570	-	6,864
Test Mean.....	1,880	4,593	1,750	-	8,222
C.V. (%).....	56	20	18	-	18
L.S.D (.10).....	1,505	1,279	452	-	2,132

Continued

Table 28. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Wiregrass
Substation, Headland, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn Lb.	Winter Lb.	Early Spring Lb.	Late Spring Lb.	
<u>Rye</u>					
Wren's Abruzzi AL.....	2,585	4,832	3,289	-	10,706
AFC 20-30.....	2,456	4,943	2,483	-	9,883
Bonel.....	2,083	5,041	2,583	-	9,706
AFC 20-20.....	1,647	4,929	3,113	-	9,689
GI 87.....	1,754	5,105	2,596	-	9,455
Dossco Grazer III.....	1,899	4,476	2,918	-	9,293
Wintergrazer 70.....	1,348	5,244	2,663	-	9,255
Florida 401.....	3,726	3,379	2,017	-	9,122
FL 8727-L1.....	3,520	3,142	2,169	-	8,831
Florida 402.....	1,362	4,315	3,045	-	8,722
AFC 20-10.....	1,510	4,308	2,565	-	8,383
Sawan Grazer.....	1,354	4,487	2,448	-	8,290
GI 88.....	1,753	4,240	2,056	-	8,049
Gainey SS 2.....	2,097	3,393	2,021	-	7,512
Test Mean.....	2,078	4,417	2,569	-	9,064
C.V. (%).....	18	13	30	-	15
L.S.D (.10).....	514	820	1,070	-	1,831
<u>Triticale</u>					
Sunland.....	2,233	3,365	2,316	-	7,913
Beagle 82.....	2,684	3,284	744	-	6,711
Florida 201.....	1,757	2,708	1,292	-	5,756
Test Mean.....	2,224	3,119	1,451	-	6,793
C.V. (%).....	30	14	72	-	21
L.S.D (.10).....	1,154	734	1,813	-	2,504

Table 29. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Wiregrass Substation, Headland, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE.....	1,176	3,049	2,516	-	6,741
Saluda.....	855	2,572	2,558	-	5,985
Pioneer 2548.....	510	2,691	2,526	-	5,727
Bayles.....	953	3,300	1,425	-	5,678
GA 100.....	900	3,365	1,351	-	5,616
Massey.....	932	3,097	1,187	-	5,216
Florida 302.....	862	2,767	1,429	-	5,058
GA ANDY.....	1,136	2,826	998	-	4,960
Madison.....	744	2,748	1,381	-	4,873
<u>Oats</u>					
FFR SS 7630.....	1,632	4,180	2,873	-	8,686
Simpson.....	1,423	3,725	3,157	-	8,305
Citation.....	1,162	4,572	2,420	-	8,155
Ga Mitchell.....	1,418	4,586	2,085	-	8,089
833.....	1,217	4,328	1,937	-	7,482
Florida 502.....	936	4,181	2,193	-	7,310
Florida 501.....	1,479	3,677	2,113	-	7,269
<u>Rye</u>					
GI 87.....	1,209	4,505	3,418	-	9,132
Wren's Abruzzi AL.....	1,669	4,658	2,736	-	9,062
AFC 20-20.....	1,120	4,620	3,266	-	9,006
AFC 20-30.....	1,518	4,406	2,769	-	8,693
Bonel.....	1,435	4,640	2,548	-	8,622
Florida 401.....	2,836	3,678	2,033	-	8,547
Wintergrazer 70.....	1,024	4,574	2,730	-	8,327
Florida 402.....	1,090	4,280	2,643	-	8,013
AFC 20-10.....	1,080	3,700	3,177	-	7,958
Sawan Grazer.....	927	4,094	2,890	-	7,911
<u>Triticale</u>					
Beagle 82.....	1,690	3,469	1,633	-	6,792
Florida 201.....	1,908	2,900	1,271	-	6,079

Table 30. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, and Rye Varieties Cut as Forage at Wiregrass Substation, Headland, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	<u>Lb.</u>	
Wheat					
GA GORE.....	1,388	2,490	2,394	-	6,272
Bayles.....	1,380	2,739	1,459	-	5,578
Saluda.....	1,129	2,030	2,236	-	5,394
GA 100.....	1,064	2,806	1,382	-	5,251
Massey.....	1,231	2,607	1,242	-	5,080
Pioneer 2548.....	817	2,190	2,023	-	5,031
Florida 302.....	1,307	2,320	1,312	-	4,938
Madison.....	916	2,378	1,385	-	4,546
GA ANDY.....	1,455	2,129	963	-	4,546
Oats					
FFR SS 7630.....	1,784	3,359	2,411	-	7,553
Citation.....	1,470	3,638	2,135	-	7,243
Simpson.....	1,567	2,892	2,603	-	7,062
Florida 501.....	1,829	2,910	1,871	-	6,610
Florida 502.....	1,302	3,200	2,030	-	6,533
833.....	1,444	3,289	1,703	-	6,436
Rye					
GI 87.....	1,747	3,625	2,995	-	8,367
Wren's Abruzzi AL.....	2,143	3,769	2,256	-	8,168
AFC 20-20.....	1,543	3,682	2,920	-	8,145
AFC 20-30.....	1,988	3,547	2,498	-	8,033
Bonel.....	1,765	3,567	2,655	-	7,987
Wintergrazer 70.....	1,591	3,682	2,594	-	7,867
Florida 401.....	3,059	2,887	1,715	-	7,661
AFC 20-10.....	1,593	2,948	3,083	-	7,623
Florida 402.....	1,594	3,292	2,250	-	7,137

Table 31. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Lower Coastal
Plain Substation, Camden, Alabama, 1993

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Florida 304.....	776	1,256	2,029	-	4,061
Pioneer 2548.....	441	781	2,498	-	3,719
GA GORE.....	472	820	2,268	-	3,560
Saluda.....	499	676	2,180	-	3,354
Florida 302.....	526	1,130	1,638	-	3,294
Wakefield.....	593	805	1,683	-	3,081
GA 100.....	433	912	1,708	-	3,052
Madison.....	331	778	1,886	-	2,995
Massey.....	445	722	1,452	-	2,619
Bayles.....	493	745	1,284	-	2,522
GA ANDY.....	387	907	1,061	-	2,355
Test Mean.....	490	867	1,790	-	3,147
C.V. (%).....	24	25	13	-	14
L.S.D (.10).....	164	303	317	-	623
<u>Oats</u>					
FFR SS 7630.....	274	515	3,340	-	4,129
Citation.....	526	918	2,400	-	3,845
Ga Mitchell.....	695	1,020	1,956	-	3,671
Ozark.....	300	609	2,614	-	3,523
Simpson.....	451	477	2,461	-	3,389
833.....	192	715	2,397	-	3,304
Bob.....	358	871	1,942	-	3,171
Florida 501.....	472	829	1,731	-	3,032
Florida 502.....	350	882	1,669	-	2,901
Test Mean.....	402	760	2,279	-	3,440
C.V. (%).....	23	11	19	-	13
L.S.D (.10).....	130	121	616	-	658

Continued

Table 31. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Lower Coastal
Plain Substation, Camden, Alabama, 1993

Continued

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn Lb.	Winter Lb.	Early Spring Lb.	Late Spring Lb.	
<u>Rye</u>					
AFC 20-30.....	1,294	1,350	2,752	-	5,396
Sawan Grazer.....	1,282	1,332	2,709	-	5,323
GI 87.....	1,083	1,185	2,976	-	5,245
GI 88.....	984	1,151	2,858	-	4,994
Bonel.....	1,097	1,304	2,471	-	4,872
Wintergrazer 70.....	876	1,163	2,638	-	4,677
AFC 20-20.....	1,025	1,172	2,449	-	4,646
Dossco Grazer III.....	920	1,034	2,512	-	4,466
AFC 20-10.....	962	1,083	2,395	-	4,440
Wren's Abruzzi AL.....	1,065	1,316	1,801	-	4,182
Florida 402.....	789	1,237	2,114	-	4,140
Florida 401.....	1,168	1,211	1,689	-	4,067
FL 8727-L1.....	1,140	1,144	1,637	-	3,922
Gainey SS 2.....	632	1,041	1,451	-	3,124
Test Mean.....	1,023	1,195	2,318	-	4,535
C.V. (%).....	21	14	11	-	11
L.S.D (.10).....	300	238	368	-	706
<u>Triticale</u>					
Beagle 82.....	922	914	745	-	2,581
Sunland.....	686	856	864	-	2,406
Florida 201.....	782	778	697	-	2,257
Test Mean.....	797	850	768	-	2,414
C.V. (%).....	4	13	15	-	8
L.S.D (.10).....	40	153	160	-	271

Table 32. Two-Year Average Seasonal Dry Matter Yield of Wheat, Oats, Rye, and Triticale Varieties Cut as Forage at Lower Coastal Plain Substation, Camden, Alabama, 1992-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Saluda.....	344	886	2,283	-	3,513
Pioneer 2548.....	320	894	2,256	-	3,471
GA GORE.....	271	997	2,186	-	3,454
Florida 302.....	430	1,493	1,443	-	3,366
GA 100.....	314	1,252	1,712	-	3,278
Massey.....	329	1,202	1,676	-	3,206
Madison.....	188	833	1,887	-	2,909
Bayles.....	461	1,196	1,248	-	2,905
GA ANDY.....	260	1,461	1,180	-	2,902
<u>Oats</u>					
FFR SS 7630.....	243	1,034	3,039	-	4,316
Citation.....	337	1,187	2,431	-	3,954
Ga Mitchell.....	406	1,355	2,176	-	3,938
Simpson.....	264	791	2,683	-	3,738
833.....	177	1,089	2,359	-	3,624
Florida 501.....	271	1,300	1,954	-	3,524
Florida 502.....	175	1,244	1,887	-	3,306
<u>Rye</u>					
GI 87.....	879	1,410	2,579	-	4,868
AFC 20-30.....	910	1,587	2,245	-	4,741
Sawan Grazer.....	861	1,523	2,337	-	4,721
Wintergrazer 70.....	759	1,512	2,363	-	4,635
Bonel.....	777	1,619	2,083	-	4,479
AFC 20-20.....	708	1,395	2,238	-	4,340
Wren's Abruzzi AL.....	840	1,897	1,561	-	4,299
AFC 20-10.....	698	1,321	2,203	-	4,222
Florida 402.....	743	1,667	1,706	-	4,116
Florida 401.....	861	1,685	1,478	-	4,024
<u>Triticale</u>					
Beagle 82.....	676	1,195	905	-	2,777
Florida 201.....	608	1,061	859	-	2,528

Table 33. Three-Year Average Seasonal Dry Matter Yield of Wheat, Oats, and Rye Varieties Cut as Forage at Lower Coastal Plain Substation, Camden, Alabama, 1991-93

Brand-variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Saluda.....	602	836	1,990	-	3,428
Pioneer 2548.....	564	920	1,895	-	3,379
GA GORE.....	591	959	1,800	-	3,350
Florida 302.....	866	1,298	1,183	-	3,347
Massey.....	654	1,155	1,366	-	3,175
GA 100.....	633	1,156	1,345	-	3,134
Bayles.....	900	1,111	1,084	-	3,095
Madison.....	386	916	1,534	-	2,837
GA ANDY.....	641	1,106	990	-	2,737
<u>Oats</u>					
FFR SS 7630.....	567	944	2,530	-	4,042
Citation.....	758	1,020	2,086	-	3,864
Simpson.....	626	749	2,423	-	3,798
833.....	523	1,006	1,998	-	3,527
Florida 501.....	645	974	1,758	-	3,378
Florida 502.....	564	901	1,665	-	3,130
<u>Rye</u>					
Wintergrazer 70.....	1,370	1,461	1,842	-	4,672
GI 87.....	1,284	1,330	1,965	-	4,579
Bonel.....	1,133	1,451	1,743	-	4,326
Wren's Abruzzi AL.....	1,366	1,568	1,263	-	4,197
AFC 20-10.....	1,222	1,222	1,746	-	4,190

VARIETIES RECOMMENDED FOR FORAGE ONLY

Variety recommendations for the three regions are based on 3-year regional averages of full-season forage yield. Varieties are listed in alphabetical order.

WHEAT

NORTH

Caldwell+
Northrup King
Coker 9766
Florida 304
Saluda
Wakefield

CENTRAL

Bayle
Caldwell+
GA 100
GA Gore
Massey
Saluda
Wakefield

SOUTH

Bayles
Florida 302
Florida 304
GA 100
GA Gore
Massey
Pioneer 2548
Saluda+

OATS

NORTH

Citation
GA Mitchell **
Northrup King
Coker 716
Simpson
833

CENTRAL

Citation
Florida 501
GA Mitchell **
Northrup King
Coker 227
Ozark
Simpson

SOUTH

Citation
FFR SS 7630
Simpson
833

TRITICALE

NORTH

Florida 201
Stan I *

CENTRAL

Beagle 82
Florida 201

SOUTH

Beagle 82
Florida 201

BARLEY

NORTH

Clemson 100**
Sussex
Wysor

Continued

RYE

NORTH

AFC 20-20
Bonel
Graze King 90
Volunteer Magic

CENTRAL

Bonel
Florida 402
Gurley Grazer 2000
Wren's Abruzzi

SOUTH

AFC 20-10
AFC 20-20
AFC 20-30
Bonel
Florida 402
GI 87
Wintergrazer 70
Wren's Abruzzi AL

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

**Conditionally recommended on 2 years' data.

For those who wish to harvest grain following grazing, varietal selection should be from those varieties recommended either for grain or for forage. Some varieties are recommended for both uses, but if not, the relative importance of forage or grain to the individual farmer should be the major consideration for varietal selection.

+Although these varieties produce high total forage yields, early season forage production may be low.

SOURCES OF SEED

WHEAT

Caldwell	Univ. of Missouri, Columbia, Missouri
Bayles, GA-Andy GA-Gore, GA-100	Univ. of Georgia, Georgia Station, Griffin, Georgia
Coker (all varieties, brands, and hybrids)	Northrup King Co., Grifton, North Carolina
Florida 302, Florida 304	Univ. of Florida, Agric. Res. Ctr., Quincy, Florida
Massey, Madison, Wakefield	Department of Agronomy Virginia Polytechnic Inst. Blacksburg, Virginia
Pioneer Brand 2548	Pioneer Hi-Bred International, Inc. Tipton, Indiana
Saluda	Alabama Crop Improvement Assoc. Auburn, Alabama

OATS

Bob, Ozark	Univ. of Arkansas Fayetteville, Arkansas
Citation	Terral-Norris Seed Co. Lake Providence, Louisiana
Coker (all varieties, brands, and hybrids)	Northrup King Co. Grifton, North Carolina
FFR SS 7630	Alabama Farmer's Coop., Inc. Decatur, Alabama
Florida 501, Florida 502	Univ. of Florida Agric. Res. Ctr. Quincy, Florida
GA-Mitchell	Coastal Plain Experiment Station Tifton, Georgia
Simpson	South Carolina Crop Impr. Assoc. Clemson, South Carolina
833	Arkansas County Seed Stuttgart, Arkansas

RYE

AFC 20-10, AFC 20-20

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

AFC 20-30, Dossco Grazer II
Graze King 90, Sawan Grazer
Volunteer Magic

Raymond Gurley II
Selma, North Carolina

Bonel, Wren's Abruzzi AL

Alabama Crop Improvement Assoc.
Auburn, Alabama

Florida 401, Florida 402
FL 8727-L1

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

Gainey SS 2

Gainey Grain
Laurel Hill, North Carolina

GI-88, GI-87, CGI-90,
Gurley's Grazer 2000

Carl R. Gurley, Inc.
Princeton, North Carolina

Wintergrazer 70

Seed Production Inc.
Madison, Georgia

BARLEY

Clemson 100

South Carolina Crop Impr. Assoc.
Clemson, South Carolina

Sussex, Wysor, Nomini,
VA 85-44-226

Department of Agronomy
Virginia Polytechnic Inst.
Blacksburg, Virginia

Venus

Univ. of Georgia, Georgia Station,
Griffin, Georgia

TRITICALE

Florida 201, Beagle 82,
Sunland

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

Stan I

Resource Seeds, Inc.
Union, Kentucky

