



The 1996 Alabama Performance Comparison of Small Grain Varieties for Forage



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

THE 1996 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 10 locations were used to compile this report. These locations represent the varied growing conditions around the State for the past three 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 five feet by 20 feet with rows spaced seven 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. Most test locations

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TABLE 1. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, BARLEY, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE VALLEY SUBSTATION, BELLE MINA, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Madison.....	—	601	1,201	2,637	4,439
Wakefield.....	—	658	1,010	2,382	4,051
Hazen.....	—	647	1,072	2,296	4,014
GA Stuckey.....	—	732	760	2,374	3,866
GA Dozier.....	—	638	1,048	2,145	3,831
Jackson.....	—	806	962	2,014	3,782
AR 26158-4.....	—	802	668	2,000	3,470
GA GORE.....	—	800	842	1,798	3,440
Florida 304.....	—	684	546	1,948	3,178
Morey.....	—	795	467	1,836	3,098
GA ANDY.....	—	503	312	1,811	2,626
FL 85238-G585.....	—	492	276	1,723	2,491
Test Mean.....	—	680	764	2,080	3,524
C.V. (%)	—	12	10	12	7
L.S.D (.10).....	—	115	107	350	368
<u>Oats</u>					
Ozark.....	—	334	1,299	3,636	5,269
Harrison.....	—	416	708	3,232	4,357
Citation.....	—	453	711	2,971	4,136
FL 874-E55.....	—	356	889	2,526	3,771
Ga Mitchell.....	—	373	504	2,121	2,998
Florida 501.....	—	464	215	1,074	1,753
Florida 502.....	—	337	—	1,330	1,666
Iapar 61.....	—	—	—	—	—
Test Mean.....	—	391	721	2,413	3,421
C.V. (%).....	—	22	16	9	8
L.S.D (.10).....	—	124	174	327	382

Continued

TABLE 2. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS,
BARLEY, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE
VALLEY SUBSTATION, BELLE MINA, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				
	Autumn	Winter	Early Spring	Late Spring	Total
	Lb.	Lb.	Lb.	Lb.	Lb.
<u>Wheat</u>					
Wakefield	474	329	1,188	1,374	3,365
Madison	370	301	1,209	1,473	3,352
GA Stuckey	584	366	1,040	1,312	3,302
Hazen	512	323	1,107	1,314	3,257
GA Dozier	515	319	1,214	1,172	3,221
Jackson	438	403	1,094	1,161	3,096
Florida 304	573	342	1,068	1,070	3,053
Morey	522	398	509	965	2,393
<u>Oats</u>					
Ozark	531	167	1,189	2,033	3,920
Citation	713	227	570	1,556	3,065
FL 874-E55	544	178	735	1,324	2,782
Florida 502	604	168	144	665	1,581
Florida 501	474	232	200	537	1,443
Iapar 61	694	-	-	-	694
<u>Barley</u>					
Pamunkey	664	283	1,578	1,804	4,328
Starling	498	175	1,522	1,825	4,020
Nomini	537	283	1,332	1,627	3,779
<u>Rye</u>					
Oklon	715	673	2,041	1,846	5,275
Maton	666	352	2,187	1,851	5,057
Bonel	696	661	1,870	1,722	4,948
AFC 20-20	763	602	1,835	1,713	4,914
Wintergrazer 70	667	599	1,889	1,754	4,908
GA WACL-7	713	673	1,606	1,706	4,698
Wren's Abruzzi AL	669	454	1,433	1,710	4,266
Florida 401	912	389	483	1,430	3,214
<u>Triticale</u>					
Trical 2700	683	368	1,347	2,293	4,691
Sunland	973	400	183	611	2,167

TABLE 4. SEASONAL DRY MATTER YIELD OF OATS, BARLEY, AND RYE
 VARIETIES CUT AS FORAGE AT SAND MOUNTAIN SUBSTATION,
 CROSSVILLE, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Hazen.....	—	—	605	780	1,386
Wakefield.....	—	—	491	823	1,314
Jackson.....	—	—	600	653	1,253
GA Stuckey.....	—	—	425	827	1,252
GA Dozier.....	—	—	550	685	1,235
Madison.....	—	—	532	647	1,179
Morey.....	—	—	364	713	1,077
GA GORE.....	—	—	401	559	960
AR 26158-4.....	—	—	293	644	937
FL 85238-G585.....	—	—	146	586	732
Florida 304.....	—	—	151	525	676
GA ANDY.....	—	—	113	393	507
Test Mean.....	—	—	389	653	1,042
C.V. (%).....	—	—	22	16	15
L.S.D (.10).....	—	—	118	148	214
<u>Oats</u>					
Harrison.....	—	—	253	1,422	1,674
FL 874-E55.....	—	—	121	1,262	1,383
Ozark.....	—	—	313	1,014	1,326
Citation.....	—	—	272	593	864
Florida 501.....	—	—	—	—	—
Florida 502.....	—	—	—	—	—
Ga Mitchell.....	—	—	—	—	—
Iapar 61.....	—	—	—	—	—
Test Mean.....	—	—	240	1,072	1,312
C.V. (%).....	—	—	38	10	11
L.S.D (.10).....	—	—	174	176	241

Continued

TABLE 5. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF OATS,
BARLEY, AND RYE VARIETIES CUT AS FORAGE AT SAND MOUNTAIN
SUBSTATION, CROSSVILLE, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				
	Autumn	Winter	Early Spring	Late Spring	Total
	Lb.	Lb.	Lb.	Lb.	Lb.
<u>Wheat</u>					
Morey	-	-	1,653	357	2,009
Jackson	-	-	1,388	461	1,849
GA Stuckey	-	-	1,265	413	1,678
Florida 304	-	-	1,288	363	1,650
GA Dozier	-	-	1,101	456	1,557
Hazen	-	-	1,044	490	1,534
Wakefield	-	-	946	523	1,468
Madison	-	-	927	443	1,370
<u>Oats</u>					
FL 874-E55	-	-	629	631	1,260
Ozark	-	-	526	507	1,033
Citation	-	-	627	296	923
Florida 501	-	-	537	-	537
Florida 502	-	-	429	-	429
Iapar 61	-	-	-	-	-
<u>Barley</u>					
Pamunkey	-	-	1,319	511	1,830
Starling	-	-	1,203	371	1,574
Nomini	-	-	1,058	456	1,513
<u>Rye</u>					
Wintergrazer 70	-	455	1,899	535	2,889
Oklon	-	971	1,380	477	2,829
AFC 20-20	-	878	1,513	390	2,781
Maton	-	179	1,880	519	2,577
GA WACL-7	-	915	1,032	524	2,471
Bonel	-	396	1,431	511	2,338
Florida 401	-	1,200	357	483	2,039
Wren's Abruzzi AL	-	965	661	383	2,008
<u>Triticale</u>					
Trical 2700	-	134	1,362	621	2,118
Sunland	-	1,022	438	224	1,684

TABLE 7. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, AND BARLEY
 VARIETIES CUT AS FORAGE AT UPPER COASTAL PLAIN
 SUBSTATION, WINFIELD, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA Dozier.....	—	523	1,407	—	1,930
Hazen.....	—	589	1,199	—	1,788
Jackson.....	—	638	1,119	—	1,757
Wakefield.....	—	418	1,010	—	1,428
Madison.....	—	336	1,003	—	1,339
GA Stuckey.....	—	694	518	—	1,212
GA GORE.....	—	621	566	—	1,187
AR 26158-4.....	—	666	519	—	1,186
Florida 304.....	—	302	675	—	977
Morey.....	—	268	551	—	820
FL 85238-G585.....	—	209	574	—	782
GA ANDY.....	—	234	460	—	695
Test Mean.....	—	458	800	—	1,258
C.V. (%).....	—	31	24	—	18
L.S.D (.10).....	—	204	274	—	314
<u>Oats</u>					
Ozark.....	—	157	1,588	—	1,745
Harrison.....	—	511	1,035	—	1,546
FL 874-E55.....	—	244	1,267	—	1,512
Ga Mitchell.....	—	—	785	—	785
Citation.....	—	—	741	—	741
Florida 501.....	—	—	—	—	—
Florida 502.....	—	—	—	—	—
Iapar 61.....	—	—	—	—	—
Test Mean.....	—	304	1,083	—	1,266
C.V. (%).....	—	14	24	—	23
L.S.D (.10).....	—	101	420	—	456

Continued

TABLE 8. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS,
AND BARLEY VARIETIES CUT AS FORAGE AT UPPER COASTAL
PLAIN SUBSTATION, WINFIELD, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA Stuckey	-	659	1,138	-	1,797
GA Dozier	-	404	1,302	-	1,705
Jackson	-	445	1,190	-	1,635
Florida 304	-	408	1,207	-	1,615
Wakefield	-	435	1,150	-	1,585
Hazen	-	425	1,149	-	1,573
Madison	-	321	1,248	-	1,569
Morey	-	609	793	-	1,402
<u>Oats</u>					
FL 874-E55.....	-	335	1,434	-	1,769
Ozark	-	264	1,348	-	1,612
Citation	-	303	1,032	-	1,335
Iapar 61	-	645	574	-	1,219
Florida 501	-	469	473	-	942
Florida 502	-	297	615	-	912
<u>Barley</u>					
Nomini	-	341	1,493	-	1,834
Pamunkey	-	243	1,515	-	1,758
Starling	-	369	1,346	-	1,714
<u>Rye</u>					
Oklon	-	1,296	2,657	-	3,953
Maton	-	529	3,373	-	3,902
Wintergrazer 70	-	893	2,764	-	3,657
AFC 20-20	-	1,068	2,427	-	3,495
Bonel	-	900	2,521	-	3,421
GA WACL-7	-	1,397	1,340	-	2,737
Wren's Abruzzi AL	-	907	1,192	-	2,099
Florida 401	-	1,024	899	-	1,924
<u>Triticale</u>					
Trical 2700	-	344	1,734	-	2,079
Sunland	-	812	870	-	1,682

TABLE 10. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, AND RYE
 VARIETIES CUT AS FORAGE AT BLACK BELT SUBSTATION,
 MARION JUNCTION, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Jackson.....	—	138	1,826	247	2,210
Madison.....	—	148	1,470	390	2,007
Wakefield.....	—	122	1,345	529	1,995
GA GORE.....	—	239	1,495	247	1,981
GA Stuckey.....	—	251	1,221	454	1,926
Hazen.....	—	148	1,569	175	1,892
GA ANDY.....	—	167	1,026	685	1,879
Test.....	—	125	1,201	508	1,833
GA Dozier.....	—	106	1,497	214	1,817
Morey.....	—	245	811	757	1,812
Florida 304.....	—	250	1,160	402	1,811
FL 85238-G585.....	—	240	1,074	496	1,810
AR 26158-4.....	—	207	1,022	396	1,626
Test Mean.....	—	183	1,286	423	1,892
C.V. (%).....	—	36	9	25	10
L.S.D (.10).....	—	93	167	149	257
<u>Oats</u>					
Harrison.....	—	82	317	1,602	2,002
Ozark	—	57	901	1,004	1,962
FL 874-E55.....	—	51	877	929	1,857
Citation.....	—	72	554	1,136	1,762
Ga Mitchell.....	—	46	403	1,122	1,571
Florida 501.....	—	—	—	—	—
Florida 502.....	—	—	—	—	—
Iapar 61.....	—	—	—	—	—
Test Mean.....	—	61	610	1,159	1,831
C.V. (%).....	—	103	16	12	10
L.S.D (.10).....	—	110	147	211	290

Continued

TABLE 11. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT,
OATS, AND RYE VARIETIES CUT AS FORAGE AT BLACK BELT
SUBSTATION, MARION JUNCTION, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Jackson	476	69	1,623	377	2,545
GA Stuckey	534	125	1,473	400	2,532
Wakefield	465	61	1,509	485	2,519
GA Dozier	625	53	1,526	307	2,511
Madison	480	74	1,457	420	2,431
Florida 304	547	125	1,403	348	2,422
Hazen	513	74	1,435	339	2,361
Morey	561	122	1,020	567	2,272
<u>Oats</u>					
Citation	721	36	859	925	2,541
FL 874-E55	647	26	1,045	750	2,467
Ozark	541	29	909	792	2,270
Florida 502	594	-	951	288	1,834
Florida 501	689	-	614	215	1,519
Iapar 61	624	-	107	124	854
<u>Rye</u>					
Wintergrazer 70	537	139	1,650	249	2,575
Wren's Abruzzi AL	472	137	1,468	428	2,505
Maton	555	78	1,571	287	2,491
Gurley Grazer 2000	540	78	1,500	325	2,443
Florida 401	551	198	891	728	2,368
Oklon	606	120	1,301	251	2,278
GA WACL-7	486	180	1,275	302	2,242
Bonel	508	138	1,284	296	2,227
<u>Triticale</u>					
Sunland	864	168	710	908	2,651
Trical 2700	576	90	1,396	268	2,330

TABLE 13. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, AND RYE
 VARIETIES CUT AS FORAGE AT PRATTVILLE FIELD,
 PRATTVILLE, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE	—	2,287	311	—	2,598
GA Stuckey	—	2,163	218	—	2,381
Hazen	—	1,736	636	—	2,372
GA Dozier	—	1,883	404	—	2,287
Jackson	—	1,736	410	—	2,146
Madison	—	1,779	287	—	2,067
AR 26158-4	—	1,839	110	—	1,949
Florida 304	—	1,931	—	—	1,931
Wakefield	—	1,476	196	—	1,671
Morey	—	1,374	—	—	1,374
GA ANDY	—	1,146	—	—	1,146
FL 85238-G585	—	735	—	—	735
Test Mean	—	1,674	321	—	1,888
C.V. (%)	—	18	24	—	15
L.S.D (.10)	—	419	114	—	394
<u>Oats</u>					
Ozark	—	1,506	286	—	1,792
FL 874-E55	—	1,278	—	—	1,278
Harrison	—	986	277	—	1,264
Citation	—	1,229	—	—	1,229
Ga Mitchell	—	1,166	—	—	1,166
Florida 501	—	1,008	—	—	1,008
Florida 502	—	746	—	—	746
Iapar 61	—	178	—	—	178
Test Mean	—	1,012	282	—	1,083
C.V. (%)	—	16	—	—	15
L.S.D (.10)	—	227	—	—	239

Continued

TABLE 14. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT,
OATS, AND RYE VARIETIES CUT AS FORAGE AT PRATTVILLE
FIELD, PRATTVILLE, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn Lb.	Winter Lb.	Early Spring Lb.	Late Spring Lb.	
<u>Wheat</u>					
GA Stuckey	764	2,005	737	461	3,966
GA Dozier	854	1,627	1,083	398	3,962
Jackson	704	1,509	1,108	451	3,771
Hazen	758	1,409	1,039	513	3,719
Madison	611	1,513	936	477	3,537
Wakefield	678	1,432	873	464	3,447
Florida 304	749	1,610	714	353	3,425
Morey	809	1,573	442	203	3,027
<u>Oats</u>					
Citation	725	1,086	847	506	3,163
FL 874-E55	815	1,090	765	435	3,106
Ozark	691	1,074	865	465	3,095
Florida 502	845	953	592	489	2,878
Florida 501	703	1,036	576	322	2,638
Iapar 61	638	468	437	411	1,954
<u>Rye</u>					
Wintergrazer 70	761	2,248	1,632	548	5,189
Maton	920	1,587	1,915	481	4,902
Bonel	845	2,017	1,475	496	4,833
Oklon	954	2,023	1,449	395	4,821
Gurley Grazer 2000	850	1,542	1,659	420	4,470
GA WACL-7	936	1,970	994	410	4,310
Wren's Abruzzi AL	679	1,964	684	448	3,774
Florida 401	780	1,839	529	512	3,660
<u>Triticale</u>					
Trical 2700	659	1,471	704	580	3,414
Sunland	827	1,332	538	298	2,995

Table 16. Seasonal Dry Matter Yield of Wheat, Oats, Rye, and
Triticale Varieties Cut as Forage at Plant Breeding
Unit, Tallassee, Alabama, 1996

Brand-Variety	Seasonal Forage Yield/Acre				
	Autumn	Winter	Early Spring	Late Spring	Total
	Lb.	Lb.	Lb.	Lb.	Lb.
<u>Wheat</u>					
Wakefield	—	1,099	489	2,967	4,555
Jackson	—	1,124	947	2,189	4,261
Hazen	—	1,310	835	1,955	4,101
GA Dozier	—	943	895	2,236	4,074
Madison	—	1,064	520	2,398	3,983
GA Stuckey	—	1,305	248	2,106	3,659
GA GORE	—	1,519	346	1,754	3,619
Florida 304	—	1,271	214	1,992	3,477
AR 26158-4	—	1,522	227	1,677	3,426
GA ANDY	—	1,146	198	—	1,345
Morey	—	1,293	—	—	1,293
FL 85238-G585	—	922	—	—	922
Test Mean	—	1,210	492	2,142	3,226
C.V. (%)	—	35	38	12	29
L.S.D (.10)	—	592	267	379	1,302
<u>Oats</u>					
Harrison	—	1,411	488	1,722	3,621
FL 874-E55	—	1,091	670	1,315	3,076
Citation	—	1,327	292	1,329	2,949
Ga Mitchell	—	1,037	438	1,211	2,686
Ozark	—	906	598	1,170	2,674
Florida 501	—	939	217	1,463	2,618
Florida 502	—	854	108	—	962
Iapar 61	—	430	—	—	430
Test Mean	—	999	402	1,368	2,377
C.V. (%)	—	19	29	19	13
L.S.D (.10)	—	269	173	400	456

Continued

TABLE 17. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT,
OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT
PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Wakefield	572	789	754	1,787	3,902
GA Dozier	654	585	1,163	1,488	3,890
Jackson	611	659	1,105	1,366	3,741
Hazen	580	839	954	1,258	3,630
Madison	650	659	717	1,545	3,571
GA Stuckey	582	1,148	485	1,350	3,565
Florida 304	642	844	556	1,251	3,293
Morey	742	1,053	219	391	2,405
<u>Oats</u>					
Florida 501	875	643	393	967	2,878
Citation	530	814	509	980	2,834
FL 874-E55	388	711	677	946	2,722
Ozark	665	525	609	856	2,655
Florida 502	422	728	390	262	1,802
Iapar 61	619	354	230	364	1,566
<u>Rye</u>					
Maton	748	1,345	1,938	1,996	6,026
Gurley Grazer 2000	593	1,264	1,726	2,048	5,631
GA WACL-7	880	1,925	865	1,809	5,478
Bonel	672	1,659	1,395	1,743	5,468
Wintergrazer 70	603	1,787	1,314	1,754	5,457
Oklon	756	1,802	1,152	1,727	5,436
Wren's Abruzzi AL	703	1,947	519	1,712	4,882
Florida 401	669	1,684	286	1,618	4,258
<u>Triticale</u>					
Trical 2700	441	916	1,035	1,640	4,032
Sunland	746	1,082	248	305	2,380

TABLE 19. SEASONAL DRY MATTER YIELD OF OATS, RYE, AND TRITICALE
 VARIETIES CUT AS FORAGE AT GULF COAST SUBSTATION,
 FAIRHOPE, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA GORE	877	959	3,177	—	5,013
GA Dozier	709	932	3,266	—	4,907
Madison	566	895	3,337	—	4,797
Hazen	579	756	3,321	—	4,656
Florida 304	718	1,040	2,844	—	4,602
Wakefield	630	1,018	2,860	—	4,508
Jackson	614	834	3,026	—	4,475
AR 26158-4	648	945	2,642	—	4,234
GA Stuckey	699	1,135	2,197	—	4,031
GA ANDY	661	1,137	1,392	—	3,190
Morey	851	1,192	840	—	2,883
FL 85238-G585	774	1,066	438	—	2,279
Test Mean	694	992	2,445	—	4,131
C.V. (%)	21	12	18	—	11
L.S.D (.10)	204	160	607	—	661
<u>Oats</u>					
Ozark	795	580	3,628	—	5,004
Citation	1,058	566	3,261	—	4,885
Harrison	965	852	2,815	—	4,633
FL 874-E55	897	750	2,654	—	4,301
Ga Mitchell	1,049	571	2,486	—	4,106
Florida 502	1,063	694	1,404	—	3,161
Florida 501	1,154	506	1,500	—	3,160
Iapar 61	1,528	—	—	—	1,528
Test Mean	1,064	645	2,536	—	3,847
C.V. (%)	19	17	14	—	10
L.S.D (.10)	287	163	530	—	530

Continued

TABLE 20. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF OATS,
 RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT GULF
 COAST SUBSTATION, FAIRHOPE, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA Dozier	1,938	1,108	3,229	-	6,275
Madison	1,756	927	3,094	-	5,776
GA Stuckey	1,461	1,526	2,731	-	5,717
Florida 304	1,735	1,221	2,710	-	5,666
Wakefield	1,520	1,246	2,832	-	5,598
Jackson	1,397	990	3,124	-	5,511
Hazen	1,562	997	2,908	-	5,467
Morey	1,709	1,375	1,171	-	4,254
<u>Oats</u>					
FL 874-E55	1,844	845	2,584	-	5,274
Citation	1,717	629	2,808	-	5,154
Ozark	1,651	574	2,868	-	5,093
Florida 502	1,582	871	1,938	-	4,390
Florida 501	1,715	653	1,553	-	3,921
Iapar 61	1,656	159	1,120	-	2,935
<u>Rye</u>					
Maton	2,006	929	3,265	-	6,200
Wintergrazer 70	2,311	952	2,857	-	6,120
Oklon	2,087	891	2,883	-	5,861
GI 87	1,749	915	2,972	-	5,635
Bonel	1,938	837	2,750	-	5,525
GA WACL-7	2,125	936	2,260	-	5,321
Wren's Abruzzi AL	1,675	1,107	1,978	-	4,760
Florida 401	1,506	359	1,590	-	3,455
<u>Triticale</u>					
Trical 2700	1,452	1,132	2,388	-	4,973
Sunland	1,941	639	1,190	-	3,770

TABLE 22. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, AND RYE
 VARIETIES CUT AS FORAGE AT MONROEVILLE FIELD,
 MONROEVILLE, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Jackson	530	1,333	2,978	—	4,842
GA Dozier	476	1,059	2,811	—	4,345
Hazen	592	1,208	2,530	—	4,330
AR 26158-4	658	1,853	1,630	—	4,141
Wakefield	446	1,379	2,209	—	4,034
GA Stuckey	354	1,875	1,791	—	4,020
Florida 304	471	1,458	2,059	—	3,988
GA GORE	344	1,254	2,381	—	3,978
Madison	253	1,209	2,166	—	3,627
Morey	555	1,587	1,223	—	3,366
FL 85238-G585	356	1,323	997	—	2,675
GA ANDY	335	1,439	893	—	2,667
Test Mean	448	1,415	1,972	—	3,835
C.V. (%)	37	11	8	—	9
L.S.D (.10)	234	213	218	—	482
<u>Oats</u>					
Ozark	150	890	2,355	—	3,395
Harrison	329	851	1,928	—	3,108
Citation	523	761	1,770	—	3,054
Ga Mitchell	341	761	1,722	—	2,824
FL 874-E55	183	1,024	1,581	—	2,788
Florida 501	395	408	763	—	1,566
Florida 502	232	341	544	—	1,117
Iapar 61	—	—	—	—	—
Test Mean	307	719	1,523	—	2,550
C.V. (%)	47	17	13	—	16
L.S.D (.10)	210	183	283	—	583

Continued

TABLE 23. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT,
OATS, AND RYE VARIETIES CUT AS FORAGE AT MONROEVILLE
FIELD, MONROEVILLE, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn Lb.	Winter Lb.	Early Spring Lb.	Late Spring Lb.	
<u>Wheat</u>					
GA Stuckey.....	1,190	1,547	1,967	-	4,705
Jackson	1,249	1,050	2,017	-	4,315
Hazen	1,370	1,022	1,768	-	4,160
GA Dozier	1,286	939	1,934	-	4,160
Florida 304	1,261	1,071	1,683	-	4,014
Madison	1,055	948	1,954	-	3,957
Wakefield	1,095	1,090	1,707	-	3,892
Morey	1,299	1,296	948	-	3,543
<u>Oats</u>					
Citation	1,438	732	1,503	-	3,673
Ozark	1,244	774	1,643	-	3,661
FL 874-E55	1,250	806	1,251	-	3,307
Florida 501	1,350	482	773	-	2,605
Florida 502	1,203	542	765	-	2,510
Iapar 61	905	225	394	-	1,525
<u>Rye</u>					
GA WACL-7	1,800	1,642	1,778	-	5,220
Maton	1,571	866	2,280	-	4,717
Wintergrazer 70	1,638	1,117	1,960	-	4,715
Bonel	1,724	1,014	1,844	-	4,582
Oklon	1,700	981	1,849	-	4,530
Wren's Abruzzi AL	1,596	1,282	1,619	-	4,497
GI 87	1,469	918	1,708	-	4,094
Florida 401	1,376	591	1,120	-	3,086
<u>Triticale</u>					
Trical 2700	1,592	1,006	1,779	-	4,377
Sunland	1,788	474	670	-	2,932

TABLE 25 SEASONAL DRY MATTER YIELD OF WHEAT, OATS, AND RYE
 VARIETIES CUT AS FORAGE AT WIREGRASS SUBSTATION,
 HEADLAND, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Wakefield	—	2,396	2,272	—	4,668
Florida 304	—	2,473	1,959	—	4,431
Morey	—	3,009	1,320	—	4,329
Hazen	—	1,803	2,235	—	4,038
GA Dozier	—	1,774	2,088	—	3,861
GA GORE	—	1,790	1,818	—	3,608
GA Stuckey	—	2,291	1,293	—	3,584
Jackson	—	1,842	1,669	—	3,511
GA ANDY	—	2,050	1,314	—	3,364
AR 26158-4	—	2,040	1,322	—	3,361
Madison	—	1,657	1,492	—	3,149
FL 85238-G585	—	2,345	668	—	3,013
Test Mean	—	2,122	1,621	—	3,743
C.V. (%)	—	16	21	—	15
L.S.D (.10)	—	475	485	—	806
<u>Oats</u>					
Ga Mitchell	—	2,185	1,924	—	4,109
Citation	—	2,057	1,886	—	3,943
Harrison	—	1,874	1,879	—	3,753
FL 874-E55	—	2,026	1,655	—	3,681
Ozark	—	1,440	2,129	—	3,569
Florida 501	—	1,770	1,497	—	3,268
Florida 502	—	1,857	1,195	—	3,052
Iapar 61	—	814	—	—	814
Test Mean	—	1,753	1,738	—	3,274
C.V. (%)	—	15	15	—	12
L.S.D (.10)	—	366	387	—	574

Continued

TABLE 26. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT,
OATS, AND RYE VARIETIES CUT AS FORAGE AT WIREGRASS
SUBSTATION, HEADLAND, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Florida 304	667	2,533	2,175	-	5,375
Morey	518	3,441	1,318	-	5,278
GA Dozier	710	2,055	2,459	-	5,224
GA Stuckey	553	2,863	1,555	-	4,972
Wakefield	539	2,242	1,976	-	4,757
Hazen	381	1,894	2,168	-	4,443
Jackson	403	1,871	1,748	-	4,022
Madison	378	1,818	1,566	-	3,763
<u>Oats</u>					
FL 874-E55	1,026	2,590	1,941	-	5,556
Citation	1,055	2,207	2,002	-	5,265
Florida 502	1,087	2,454	1,580	-	5,122
Florida 501	984	1,909	1,470	-	4,363
Ozark	747	1,496	2,002	-	4,245
Iapar 61	767	1,593	766	-	3,126
<u>Rye</u>					
Wren's Abruzzi AL	1,026	5,057	1,746	-	7,828
Wintergrazer 70	1,368	3,048	3,191	-	7,608
Oklon	967	3,574	2,981	-	7,522
Bonel	748	3,207	3,380	-	7,335
GA WACL-7	1,062	3,986	2,262	-	7,310
GI 87	855	3,620	2,826	-	7,300
Florida 401	1,377	4,346	1,488	-	7,211
Maton	840	2,759	3,167	-	6,766
<u>Triticale</u>					
Sunland	875	3,737	1,625	-	6,237
Trical 2700	546	2,780	2,105	-	5,432

TABLE 28. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, AND RYE
 VARIETIES CUT AS FORAGE AT LOWER COASTAL PLAIN
 SUBSTATION, CAMDEN, ALABAMA, 1996

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
Hazen	—	1,548	1,738	830	4,116
Wakefield	—	1,801	1,299	961	4,061
GA GORE	—	1,835	1,228	844	3,907
Jackson	—	1,593	1,514	628	3,735
Madison	—	1,626	1,182	917	3,724
GA Stuckey	—	1,871	677	1,161	3,709
Morey	—	1,981	275	1,410	3,666
GA Dozier	—	1,104	1,566	829	3,499
AR 26158-4	—	1,738	730	988	3,455
Florida 304	—	1,849	802	722	3,373
Test	—	1,295	1,489	479	3,263
FL 85238-G585	—	1,466	229	1,500	3,195
GA ANDY	—	1,327	155	1,345	2,827
Test Mean	—	1,618	991	970	3,579
C.V. (%)	—	14	12	13	10
L.S.D (.10)	—	315	169	178	496
<u>Oats</u>					
Ozark	—	943	1,879	1,099	3,921
Citation	—	1,394	1,269	872	3,534
FL 874-E55	—	1,466	770	1,131	3,366
Harrison	—	1,051	1,247	944	3,242
Florida 501	—	1,026	280	1,596	2,902
Ga Mitchell	—	1,040	716	1,117	2,873
Florida 502	—	1,001	159	1,615	2,776
Iapar 61	—	—	—	—	—
Test Mean	—	1,132	903	1,196	3,231
C.V. (%)	—	23	20	12	18
L.S.D (.10)	—	374	264	209	866

Continued

TABLE 29. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT,
OATS, AND RYE VARIETIES CUT AS FORAGE AT LOWER COASTAL
PLAIN SUBSTATION, CAMDEN, ALABAMA, 1995-96

Brand-Variety	Seasonal Forage Yield/Acre				Total Lb.
	Autumn	Winter	Early Spring	Late Spring	
	Lb.	Lb.	Lb.	Lb.	
<u>Wheat</u>					
GA Stuckey	1,099	1,352	982	718	4,151
Wakefield	833	1,140	1,220	661	3,854
Hazen	868	1,008	1,425	526	3,826
GA Dozier	1,081	772	1,353	543	3,749
Florida 304	976	1,176	1,075	487	3,714
Madison	796	961	1,256	650	3,663
Jackson	758	997	1,360	492	3,606
Morey	861	1,430	322	951	3,564
<u>Oats</u>					
Citation	966	969	1,399	628	3,961
Ozark	835	602	1,465	756	3,658
FL 874-E55	883	865	1,002	787	3,537
Florida 501	1,142	762	575	921	3,400
Florida 502	855	898	542	962	3,256
Iapar 61	948	186	432	289	1,854
<u>Rye</u>					
GA WACL-7	1,165	1,238	3,150	624	6,178
Wintergrazer 70	1,091	1,321	1,779	519	4,710
GI 87	1,306	1,214	1,649	401	4,571
Bonel	1,194	1,117	1,645	488	4,444
Maton	1,107	753	1,822	593	4,274
Oklon	1,096	960	1,490	517	4,064
Wren's Abruzzi AL	1,168	1,264	953	678	4,063
Florida 401	1,041	1,117	685	775	3,619
<u>Triticale</u>					
Trical 2700	899	1,031	1,190	681	3,801
Sunland	1,004	967	408	1,038	3,417

SOURCES OF SEED

WHEAT

GA Andy, GA Dozier
GA Gore, GA Stuckey, Morey

Univ. of Georgia, Georgia Station
Griffin, Georgia

FL 85238-G585,
Florida 304

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

Hazen, AR 26158-4

Univ. of Arkansas
Fayetteville, Arkansas

Jackson, Madison,
Wakefield

Department of Agronomy,
Virginia Polytechnic Inst.
Blacksburg, Virginia

OATS

Ozark

Univ. of Arkansas
Fayetteville, Arkansas

Citation

Terral-Norris Seed Co.
Lake Providence, Louisiana

Florida 501, Florida 502,
FL 874-E55

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

GA Mitchell

Alabama Crop Improvement Assoc.
Auburn, Alabama

Harrison

Alabama Farmer's Coop
Decatur, Alabama

Iapar 61

Auburn University/USDA-ARS
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3. North Alabama Horticulture Substation,
Cullman.
4. Upper Coastal Plain Substation,
Winfield.
5. Forestry Unit, Fayette County.
6. Chilton Area Horticulture Substation,
Clanton.
7. Forestry Unit, Coosa County.
8. Piedmont Substation,
Camp Hill.
9. Forestry Unit, Autauga County.
10. Prattville Experiment Field,
Prattville.
11. Black Belt Substation,
Marion Junction.
12. The Turnipseed-Ikenberry Place,
Union Springs.
13. Lower Coastal Plain Substation,
Camden.
14. Forestry Unit, Barbour County.
15. Monroeville Experiment Field,
Monroeville.
16. Wiregrass Substation,
Headland.
17. Brewton Experiment Field,
Brewton.
18. Ornamental Horticulture Substation,
Spring Hill.
19. Gulf Coast Substation,
Fairhope.

