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The 2001 Alabama Performance Comparison of Small Grain Varieties for Forage

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The 2001 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 Alabama because yields and distribution of growth vary. For example, 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 on total forage yields and seasonal yields of varieties.

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 nine locations were used to compile this report. These locations represent the varied growing conditions in Alabama 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 5 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. In the 1999 harvest year, the forage test was not planted at Sand Mountain Research and Extension Center, Crossville, due to dry soil conditions. All other tests were planted in mid-October. In the 2000 harvest year, Winfield and Tallassee were planted in late September and all other tests were planted in early October.

The tests were fertilized at planting with 100 pounds of nitrogen (N) per acre and clipped with a flail-type mower each time they reached six inches in height. The entire harvested forage from each plot was weighed; plus 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.

DATA EXPLANATION

Total and seasonal dry matter yields are recorded 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 provided and should be a better indicator for performance comparisons. In the 2000 growing season, there was only one harvest at Marion Junction due to wet soil conditions in the spring. Dry conditions in November through October followed by severe cold in November through January hampered growth at Crossville.

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TABLE 1. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER, BELLE MINA, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 494B-2-2	358	257	2,319	787	3,721
GA 91426E39	251	203	2,209	794	3,457
AR 584A-3-1	295	375	1,941	811	3,422
GA 901146E15	349	428	1,848	465	3,091
Roberts	397	436	1,595	596	3,024
Test Mean	330	340	1,982	690	3,343
C.V. (%)	25	23	7	31	7
L.S.D (.10)	123	120	217	322	371
Oats					
TX 96D011	81	73	2,929	1,861	4,943
Harrison	339	180	2,720	1,643	4,882
Dallas	109	146	2,750	1,517	4,522
Horizon 314	239	104	2,168	1,580	4,090
Ga Mitchell	321	116	2,179	1,403	4,019
LA 90113AFL2-1-19-3-1	180	110	2,236	1,390	3,916
LA 604	136	108	2,307	1,324	3,874
Chapman	334	174	2,172	1,187	3,867
LA 9339E45	295	174	2,125	1,189	3,783
Test Mean	226	132	2,398	1,455	4,211
C.V. (%)	30	27	9	12	9
L.S.D (.10)	95	51	323	256	540
Barley					
TX 94D632	230	115	2,921	405	3,671
Test Mean	230	115	2,921	405	3,671
C.V. (%)	—	—	—	—	—
L.S.D (.10)	—	—	—	—	—
Rye					
Elbon	375	429	3,102	327	4,233
Carolina Grazer 2000	590	888	2,237	508	4,222
Maton	368	473	3,010	343	4,194
SPI Rye	349	722	2,720	401	4,191
Carolina Early Grazer	421	941	2,075	458	3,895
Oklon	432	584	2,474	403	3,892
96RS1	969	683	1,750	411	3,812
Wintergrazer 70	481	790	2,046	445	3,762
96P16M	649	815	1,613	618	3,695
Bates	472	557	2,217	389	3,634
Wren's Abruzzi AL	659	827	1,563	501	3,550
Wren's 96	621	809	1,628	473	3,531
FL-SYN-T	499	481	1,421	392	2,792
Test Mean	529	692	2,143	436	3,800
C.V. (%)	28	18	8	26	7
L.S.D (.10)	204	175	251	159	367
Triticale					
Trical 2700	482	346	2,461	727	4,016
RSI 351	714	406	1,753	699	3,573
Trical 498	467	364	1,424	373	2,628
Test Mean	554	372	1,879	600	3,405
C.V. (%)	15	13	14	31	11
L.S.D (.10)	141	82	461	324	655

TABLE 2. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER, BELLE MINA, ALABAMA, 2000-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 584A-3-1	623	663	2,836	837	4,958
AR 494B-2-2	484	493	3,000	972	4,949
Roberts	609	721	2,512	771	4,614
Oats					
Harrison	548	576	2,847	1,556	5,528
Horizon 314	562	517	2,568	1,574	5,221
Chapman	634	586	2,580	1,176	4,976
Ga Mitchell	601	573	2,588	1,195	4,957
Rye					
Oklon	1,297	806	3,476	753	6,332
Maton	891	685	3,836	601	6,013
Elbon	789	608	3,975	536	5,908
SPI Rye	902	898	3,226	780	5,805
Bates	1,066	789	2,922	756	5,534
Wren's 96	1,183	910	2,239	1,035	5,366
Wintergrazer 70	888	800	2,715	868	5,271
Wren's Abruzzi AL	1,056	889	1,992	1,023	4,960
Triticale					
Trical 2700	1,102	624	2,786	1,087	5,600
Trical 498	849	544	1,684	808	3,885

TABLE 3. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER, BELLE MINA, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	785	1,219	1,922	1,266	5,192
Oats					
Harrison	597	1,005	2,107	2,508	6,217
Horizon 314	599	976	1,909	2,408	5,892
Chapman	810	1,003	1,892	2,080	5,785
Ga Mitchell	682	816	1,962	2,311	5,771
Rye					
Oklon	1,390	1,081	2,742	1,353	6,567
Maton	1,075	1,010	3,062	1,231	6,378
Elbon	995	927	3,148	1,123	6,193
Bates	1,231	1,128	2,282	1,266	5,907
Wren's 96	1,246	1,195	1,765	1,382	5,588
Wintergrazer 70	1,052	1,031	2,164	1,205	5,452
Wren's Abruzzi AL	1,173	1,145	1,548	1,352	5,217
Triticale					
Trical 2700	1,225	874	2,100	2,104	6,303

TABLE 4. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 494B-2-2	—	594	2,737	2,224	5,555
GA 91426E39	—	359	2,636	1,899	4,894
GA 901146E15	—	612	2,154	1,731	4,498
Roberts	—	777	1,720	1,691	4,188
AR 584A-3-1	—	434	1,769	1,908	4,110
Test Mean	—	555	2,203	1,891	4,649
C.V. (%)	—	31	22	25	22
L.S.D (.10)	—	270	739	707	1,585
Oats					
Horizon 314	—	651	1,968	3,715	6,334
Harrison	—	602	1,859	3,531	5,992
Dallas	—	412	2,007	3,546	5,965
LA 604	—	328	1,765	3,732	5,825
LA 90113AFL2-1-19-3-1	—	508	2,017	3,269	5,794
TX 96D011	—	215	2,075	3,343	5,634
Ga Mitchell	—	436	2,395	2,481	5,312
Chapman	—	444	1,593	2,943	4,981
LA 9339E45	—	693	2,085	1,997	4,775
Test Mean	—	477	1,974	3,173	5,623
C.V. (%)	—	38	20	21	13
L.S.D (.10)	—	258	563	947	1,061
Barley					
TX 94D632	—	627	3,112	2,440	6,179
Test Mean	—	627	3,112	2,440	6,179
C.V. (%)	—	—	—	—	—
L.S.D (.10)	—	—	—	—	—
Rye					
Wintergrazer 70	—	1,741	3,133	2,270	7,145
Wren's Abruzzi AL	—	3,685	1,100	2,351	7,135
Elbon	—	767	3,260	2,735	6,762
Oklon	—	1,189	3,088	2,416	6,694
96RS1	—	1,539	2,665	2,283	6,487
Bates	—	1,119	2,959	2,339	6,417
Carolina Grazer 2000	—	1,971	2,273	1,962	6,207
Carolina Early Grazer	—	2,211	1,777	2,213	6,202
Wren's 96	—	1,879	1,822	2,373	6,074
SPI Rye	—	1,183	2,439	2,292	5,914
Maton	—	464	3,176	2,103	5,743
96P16M	—	2,258	1,638	1,620	5,516
FL-SYN-T	—	1,397	1,160	2,131	4,688
Test Mean	—	1,646	2,346	2,238	6,229
C.V. (%)	—	54	28	24	23
L.S.D (.10)	—	1,250	920	753	2,033
Triticale					
Trical 2700	—	820	2,221	1,940	4,981
RSI 351	—	1,484	1,091	1,956	4,532
Trical 498	—	1,102	857	1,881	3,839
Test Mean	—	1,135	1,390	1,926	4,451
C.V. (%)	—	35	25	16	18
L.S.D (.10)	—	699	604	534	1,420

TABLE 5. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 494B-2-2	—	297	2,893	1,906	5,096
AR 584A-3-1	—	217	2,586	1,762	4,565
Roberts	—	388	2,555	1,549	4,492
Oats					
Horizon 314	—	326	2,128	2,882	5,336
Harrison	—	301	1,788	2,705	4,794
Chapman	—	222	1,840	2,353	4,415
Ga Mitchell	—	218	2,105	2,033	4,356
Rye					
Wintergrazer 70	—	871	3,284	2,245	6,400
Bates	—	560	3,637	2,165	6,362
Oklon	—	595	3,554	2,112	6,261
SPI Rye	—	591	3,198	2,258	6,048
Elbon	—	383	3,143	2,449	5,975
Wren's Abruzzi AL	—	1,842	1,798	2,231	5,871
Maton	—	232	3,551	1,939	5,722
Wren's 96	—	939	2,310	2,111	5,361
Triticale					
Trical 2700	—	410	2,489	1,822	4,721
Trical 498	—	551	1,763	1,531	3,845

TABLE 6. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 1998 AND 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 584A-3-1	—	188	2,115	1,331	3,634
Roberts	—	453	1,999	1,151	3,603
Oats					
Harrison	—	201	1,489	1,895	3,584
Chapman	—	204	1,616	1,675	3,495
Ga Mitchell	—	145	1,750	1,452	3,347
Rye					
Bates	—	535	2,845	1,632	5,012
Wintergrazer 70	—	606	2,691	1,658	4,955
Oklon	—	469	2,821	1,584	4,873
Elbon	—	282	2,591	1,856	4,729
Wren's Abruzzi AL	—	1,670	1,378	1,591	4,639
Maton	—	173	2,881	1,516	4,569
Wren's 96	—	1,091	1,792	1,527	4,410
Triticale					
Trical 2700	—	273	2,141	1,402	3,816

TABLE 7. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT UPPER COASTAL PLAIN RESEARCH STATION, WINFIELD, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
GA 901146E15	—	—	3,157	620	3,777
GA 91426E39	—	—	3,089	656	3,745
AR 494B-2-2	—	—	2,976	505	3,481
Roberts	—	—	2,777	489	3,266
AR 584A-3-1	—	—	2,617	365	2,982
Test Mean	—	—	2,923	527	3,450
C.V. (%)	—	—	16	15	15
L.S.D (.10)	—	—	728	124	779
Oats					
Dallas	—	—	4,141	688	4,830
Chapman	—	—	3,459	640	4,099
Ga Mitchell	—	—	3,342	400	3,742
Harrison	—	—	3,077	453	3,530
TX 96D011	—	—	2,755	750	3,504
Horizon 314	—	—	2,647	651	3,299
LA 604	—	—	2,546	618	3,163
LA 9339E45	—	—	2,701	456	3,158
LA 90113AFL2-1-19-3-1	—	—	2,615	454	3,070
Test Mean	—	—	3,031	568	3,599
C.V. (%)	—	—	23	20	18
L.S.D (.10)	—	—	1,010	165	926
Barley					
TX 94D632	—	—	3,234	232	3,466
Test Mean	—	—	3,234	232	3,466
C.V. (%)	—	—	—	—	—
L.S.D (.10)	—	—	—	—	—
Rye					
Carolina Early Grazer	—	—	4,808	532	5,340
FL-SYN-T	—	—	4,347	488	4,835
96P16M	—	—	4,201	492	4,693
SPI Rye	—	—	4,221	321	4,542
Bates	—	—	4,180	308	4,488
Carolina Grazer 2000	—	—	4,267	203	4,471
Wren's Abruzzi AL	—	—	4,036	390	4,427
Elbon	—	—	3,987	374	4,361
Oklon	—	—	3,930	340	4,270
Wren's 96	—	—	3,842	367	4,208
96RS1	—	—	3,321	784	4,105
Maton	—	—	3,597	362	3,959
Wintergrazer 70	—	—	3,050	413	3,463
Test Mean	—	—	3,984	413	4,397
C.V. (%)	—	—	22	41	22
L.S.D (.10)	—	—	1,219	240	1,321
Triticale					
Trical 2700	—	—	3,685	362	4,048
Trical 498	—	—	3,431	317	3,748
RSI 351	—	—	2,961	343	3,304
Test Mean	—	—	3,359	341	3,700
C.V. (%)	—	—	20	17	20
L.S.D (.10)	—	—	1,175	100	1,261

TABLE 8. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT UPPER COASTAL RESEARCH STATION, WINFIELD, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 494B-2-2	—	742	3,211	4,307	8,259
Roberts	—	1,290	3,085	3,414	7,789
AR 584A-3-1	—	741	2,782	3,935	7,458
Oats					
Chapman	—	787	3,035	3,446	7,268
Horizon 314	—	1,267	2,436	3,292	6,996
Ga Mitchell	—	783	2,707	3,262	6,753
Harrison	—	607	2,870	3,202	6,679
Rye					
Wren's 96	—	1,746	3,868	5,077	10,690
Wintergrazer 70	—	964	3,394	5,865	10,222
Wren's Abruzzi AL	—	1,917	3,564	3,905	9,386
Oklon	—	901	3,696	4,565	9,162
Bates	—	1,094	3,861	3,922	8,877
SPI Rye	—	1,831	3,303	2,769	7,903
Maton	—	825	3,286	3,680	7,791
Elbon	—	746	3,221	3,248	7,215
Triticale					
Trical 2700	—	1,374	3,251	3,709	8,333
Trical 498	—	836	2,776	2,910	6,522

TABLE 9. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT UPPER COASTAL RESEARCH STATION, WINFIELD, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	—	1,666	2,351	2,276	6,293
Oats					
Horizon 314	—	1,485	1,937	2,195	5,617
Chapman	—	1,172	2,114	2,297	5,583
Ga Mitchell	—	1,199	2,153	2,175	5,527
Harrison	—	1,178	2,105	2,135	5,418
Rye					
Wren's 96	—	1,893	2,958	3,384	8,235
Wintergrazer 70	—	1,413	2,605	3,910	7,927
Oklon	—	1,543	2,941	3,044	7,527
Wren's Abruzzi AL	—	2,096	2,581	2,603	7,280
Bates	—	1,549	3,017	2,614	7,180
Maton	—	1,318	2,780	2,453	6,551
Elbon	—	1,330	2,573	2,165	6,069
Triticale					
Trical 2700	—	1,661	2,628	2,473	6,762

TABLE 10. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	—	—	7,608	—	7,608
GA 91426E39	—	—	6,911	—	6,911
GA 901146E15	—	—	6,642	—	6,642
AR 584A-3-1	—	—	6,618	—	6,618
AR 494B-2-2	—	—	6,492	—	6,492
Test Mean	—	—	6,854	—	6,854
C.V. (%)	—	—	7	—	7
L.S.D (.10)	—	—	734	—	734
Oats					
LA 9339E45	—	—	6,584	—	6,584
Horizon 314	—	—	6,540	—	6,540
Harrison	—	—	6,331	—	6,331
LA 90113AFL2-1-19-3-1	—	—	6,218	—	6,218
Chapman	—	—	6,174	—	6,174
Dallas	—	—	6,029	—	6,029
Ga Mitchell	—	—	5,926	—	5,926
Secretariat LA 495	—	—	5,746	—	5,746
LA 604	—	—	5,333	—	5,333
TX 96D011	—	—	4,983	—	4,983
Test Mean	—	—	5,986	—	5,986
C.V. (%)	—	—	6	—	6
L.S.D (.10)	—	—	494	—	494
Rye					
Wren's Abruzzi AL	—	—	9,008	—	9,008
Bates	—	—	8,219	—	8,219
Wintergrazer 70	—	—	8,167	—	8,167
Wren's 96	—	—	8,161	—	8,161
96P16M	—	—	8,014	—	8,014
SPI Rye	—	—	7,745	—	7,745
Oklon	—	—	7,661	—	7,661
96RS1	—	—	7,628	—	7,628
Carolina Early Grazer	—	—	7,413	—	7,413
FL-SYN-T	—	—	7,276	—	7,276
Carolina Grazer 2000	—	—	7,259	—	7,259
Maton	—	—	6,189	—	6,189
Elbon	—	—	5,874	—	5,874
Test Mean	—	—	7,586	—	7,586
C.V. (%)	—	—	7	—	7
L.S.D (.10)	—	—	697	—	697
Triticale					
RSI 351	—	—	8,800	—	8,800
Trical 498	—	—	7,416	—	7,416
Trical 2700	—	—	7,035	—	7,035
Test Mean	—	—	7,751	—	7,751
C.V. (%)	—	—	7	—	7
L.S.D (.10)	—	—	992	—	992

TABLE 11. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	—	177	4,302	1,032	5,511
AR 584A-3-1	—	141	3,772	1,177	5,090
AR 494B-2-2	—	136	3,857	778	4,771
Oats					
Horizon 314	—	126	3,843	1,106	5,075
Harrison	—	71	3,704	1,238	5,013
Chapman	—	97	3,675	941	4,714
Secretariat LA 495	—	101	3,469	1,043	4,612
Ga Mitchell	—	99	3,548	921	4,568
Rye					
Wren's Abruzzi AL	—	171	5,171	437	5,779
Bates	—	88	4,680	752	5,520
Wintergrazer 70	—	64	4,659	795	5,517
Wren's 96	—	77	4,796	552	5,424
SPI Rye	—	63	4,514	839	5,415
Oklon	—	45	4,369	953	5,366
Maton	—	47	3,580	1,126	4,753
Elbon	—	48	3,436	1,063	4,547
Triticale					
Trical 2700	—	342	4,122	526	4,990
Trical 498	—	335	4,136	461	4,933

TABLE 12. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	—	820	3,538	989	5,348
Oats					
Chapman	—	899	3,090	1,435	5,424
Harrison	—	884	2,641	1,724	5,249
Horizon 314	—	872	2,902	1,420	5,194
Ga Mitchell	—	873	2,570	1,300	4,743
Rye					
Wren's Abruzzi AL	—	1,081	3,533	552	5,166
Bates	—	592	3,724	684	5,001
Oklon	—	575	3,502	832	4,908
Wintergrazer 70	—	603	3,516	757	4,876
Wren's 96	—	716	3,471	611	4,798
Elbon	—	488	3,020	1,019	4,527
Maton	—	370	3,026	1,078	4,474
Triticale					
Trical 2700	—	1,009	3,064	635	4,708

TABLE 13. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	—	—	3,602	—	3,602
AR 584A-3-1	—	—	3,538	—	3,538
GA 901146E15	—	—	3,427	—	3,427
GA 91426E39	—	—	3,399	—	3,399
AR 494B-2-2	—	—	3,282	—	3,282
Test Mean	—	—	3,450	—	3,450
C.V. (%)	—	—	11	—	11
L.S.D (.10)	—	—	558	—	558
Oats					
TX 96D011	—	—	3,979	—	3,979
Ga Mitchell	—	—	3,918	—	3,918
Horizon 314	—	—	3,891	—	3,891
Secretariat LA 495	—	—	3,681	—	3,681
Harrison	—	—	3,533	—	3,533
Dallas	—	—	3,524	—	3,524
Chapman	—	—	3,453	—	3,453
LA 90113AFL2-1-19-3-1	—	—	3,331	—	3,331
LA 9339E45	—	—	3,300	—	3,300
LA 604	—	—	3,090	—	3,090
Test Mean	—	—	3,570	—	3,570
C.V. (%)	—	—	10	—	10
L.S.D (.10)	—	—	507	—	507
Rye					
Elbon	—	854	4,405	—	5,259
Bates	—	936	4,007	—	4,943
SPI Rye	—	871	4,030	—	4,900
Carolina Grazer 2000	—	1,244	3,605	—	4,848
Oklon	—	941	3,905	—	4,847
96RS1	—	1,591	3,213	—	4,803
Carolina Early Grazer	—	1,363	3,179	—	4,541
96P16M	—	1,466	3,068	—	4,533
Wintergrazer 70	—	1,053	3,399	—	4,451
Wren's Abruzzi AL	—	1,355	3,090	—	4,446
Maton	—	590	3,736	—	4,326
Wren's 96	—	1,147	3,143	—	4,289
FL-SYN-T	—	1,316	2,817	—	4,133
Test Mean	—	1,133	3,507	—	4,640
C.V. (%)	—	15	13	—	11
L.S.D (.10)	—	239	628	—	686
Triticale					
Trical 2700	—	1,106	3,485	—	4,592
RSI 351	—	1,246	2,878	—	4,124
Trical 498	—	1,083	2,467	—	3,549
Test Mean	—	1,145	2,943	—	4,088
C.V. (%)	—	5	8	—	6
L.S.D (.10)	—	123	557	—	629

TABLE 14. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 584A-3-1	—	390	2,890	638	3,918
Roberts	—	405	2,988	406	3,799
AR 494B-2-2	—	532	2,655	379	3,567
Oats					
Horizon 314	—	355	3,074	761	4,190
Harrison	—	251	2,963	650	3,863
Secretariat LA 495	—	376	2,763	656	3,794
Ga Mitchell	—	370	2,796	505	3,671
Chapman	—	199	2,730	717	3,646
Rye					
Elbon	—	917	3,441	372	4,730
Oklon	—	1,003	3,220	355	4,578
Bates	—	998	3,163	340	4,501
SPI Rye	—	957	3,214	272	4,443
Wintergrazer 70	—	1,019	2,884	379	4,282
Maton	—	687	3,065	449	4,201
Wren's 96	—	1,102	2,620	308	4,030
Wren's Abruzzi AL	—	1,090	2,414	318	3,821
Triticale					
Trical 2700	—	1,147	2,543	508	4,197
Trical 498	—	806	1,565	300	2,671

TABLE 15. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	—	1,441	3,212	271	4,924
Oats					
Horizon 314	—	927	3,424	507	4,858
Harrison	—	1,007	3,340	433	4,780
Chapman	—	900	3,078	478	4,456
Ga Mitchell	—	1,031	2,892	336	4,260
Rye					
Bates	—	1,978	3,246	226	5,450
Elbon	—	1,648	3,510	248	5,406
Oklon	—	1,707	3,246	236	5,190
Wintergrazer 70	—	1,878	2,991	253	5,122
Maton	—	1,288	3,425	300	5,013
Wren's 96	—	1,877	2,605	205	4,687
Wren's Abruzzi AL	—	1,557	2,492	212	4,260
Triticale					
Trical 2700	—	1,497	2,695	338	4,530

TABLE 16. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT E.V. SMITH RESEARCH CENTER, PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
GA 91426E39	2,796	1,787	2,445	—	7,028
AR 494B-2-2	1,705	2,161	2,046	—	5,913
AR 584A-3-1	1,729	1,797	1,862	—	5,388
Roberts	1,226	2,351	1,756	—	5,333
GA 901146E15	1,595	2,175	1,467	—	5,238
Test Mean	1,810	2,054	1,916	—	5,780
C.V. (%)	52	12	17	—	24
L.S.D (.10)	1,416	369	495	—	2,108
Oats					
Dallas	3,325	671	1,770	—	5,766
LA 9339E45	1,640	1,094	2,130	—	4,864
LA 90113AFL2-1-19-3-1	1,883	900	1,928	—	4,711
Horizon 314	1,838	879	1,984	—	4,701
Harrison	1,501	1,098	2,005	—	4,605
Secretariat LA 495	1,751	684	1,788	—	4,224
Chapman	2,153	730	1,028	—	3,911
TX 96D011	1,387	750	1,713	—	3,850
LA 604	1,440	608	1,669	—	3,717
Ga Mitchell	1,933	433	1,318	—	3,684
Test Mean	1,885	785	1,733	—	4,403
C.V. (%)	20	38	19	—	13
L.S.D (.10)	523	420	457	—	809
Rye					
Maton	2,748	1,987	3,143	—	7,878
Oklon	2,169	2,334	2,467	—	6,970
Elbon	2,031	2,059	2,813	—	6,903
Wren's 96	2,380	2,763	1,649	—	6,792
SPI Rye	1,815	2,631	2,310	—	6,755
96RS1	2,460	2,488	1,705	—	6,653
Bates	1,904	2,493	2,140	—	6,537
Wren's Abruzzi AL	2,479	2,790	1,083	—	6,353
Carolina Early Grazer	1,900	2,715	1,706	—	6,321
FL-SYN-T	1,841	2,660	1,687	—	6,188
Wintergrazer 70	1,769	2,823	1,566	—	6,159
Carolina Grazer 2000	1,641	2,723	1,776	—	6,140
96P16M	1,863	2,361	1,499	—	5,723
Test Mean	2,077	2,525	1,965	—	6,567
C.V. (%)	29	8	18	—	10
L.S.D (.10)	848	276	499	—	936
Triticale					
Trical 2700	1,987	2,055	2,234	—	6,277
RSI 351	2,024	1,497	1,540	—	5,060
Trical 498	2,015	1,364	1,361	—	4,740
Test Mean	2,009	1,639	1,712	—	5,359
C.V. (%)	18	12	8	—	10
L.S.D (.10)	639	350	225	—	939

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, PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
AR 584A-3-1	1,149	1,780	2,811	102	5,842
AR 494B-2-2	1,187	1,975	2,274	158	5,594
Roberts	904	2,064	2,436	103	5,507
Oats					
Harrison	1,171	1,509	2,565	129	5,374
Ga Mitchell	1,280	1,199	2,571	176	5,226
Horizon 314	1,222	1,448	2,112	212	4,993
Secretariat LA 495	1,164	1,186	1,778	189	4,318
Chapman	1,264	1,149	1,531	84	4,028
Rye					
Maton	1,881	1,957	2,900	158	6,896
Oklon	1,619	2,369	2,371	126	6,484
Elbon	1,508	1,972	2,697	84	6,262
SPI Rye	1,401	2,331	2,291	120	6,143
Bates	1,474	2,570	1,933	108	6,085
Wren's 96	1,621	2,566	1,685	143	6,015
Wintergrazer 70	1,452	2,472	1,826	139	5,889
Wren's Abruzzi AL	1,893	2,428	1,116	194	5,632
Triticale					
Trical 2700	1,361	1,968	2,021	144	5,495
Trical 498	1,476	1,561	1,174	—	4,211

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, PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	1,443	1,645	2,139	69	5,296
Oats					
Harrison	1,761	1,260	2,212	86	5,318
Ga Mitchell	1,660	1,083	2,099	117	4,959
Horizon 314	1,633	1,141	1,790	141	4,705
Chapman	1,483	1,100	1,400	56	4,039
Rye					
Elbon	2,653	1,570	2,423	56	6,703
Oklon	2,061	1,824	2,282	84	6,250
Wren's 96	2,350	2,065	1,658	95	6,169
Maton	1,798	1,505	2,518	105	5,927
Wintergrazer 70	1,974	1,951	1,743	93	5,760
Bates	1,683	1,984	1,862	72	5,601
Wren's Abruzzi AL	2,042	2,066	1,127	130	5,365
Triticale					
Trical 2700	1,598	1,620	1,723	96	5,038

TABLE 19. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
GA 91426E39	1,007	3,441	1,987	—	6,435
Roberts	917	3,650	1,582	—	6,150
GA 901146E15	691	3,324	1,948	—	5,963
Test Mean	872	3,472	1,839	—	6,182
C.V. (%)	21	3	19	—	9
L.S.D (.10)	321	180	602	—	936
Oats					
Secretariat LA 495	1,531	3,415	3,489	—	8,435
Horizon 314	1,623	2,791	3,729	—	8,142
LA 604	1,268	3,003	3,768	—	8,038
LA 90113AFL2-1-19-3-1	1,344	3,087	3,554	—	7,985
Harrison	1,356	3,185	3,248	—	7,789
Ga Mitchell	1,630	2,662	3,182	—	7,474
TX 98D666	1,560	2,877	2,906	—	7,343
Chapman	1,597	2,928	2,766	—	7,291
LA 9339E45	1,496	2,769	2,501	—	6,766
Test Mean	1,489	2,968	3,238	—	7,696
C.V. (%)	16	11	13	—	8
L.S.D (.10)	343	462	578	—	837
Rye					
Elbon	1,330	2,996	2,880	—	7,205
Oklon	1,726	3,175	2,176	—	7,077
Bates	1,563	3,463	1,923	—	6,948
Maton	1,320	2,987	2,574	—	6,881
96RS1	1,510	3,491	1,646	—	6,646
SPI Rye	1,430	3,281	1,719	—	6,430
Wren's 96	1,594	3,418	1,330	—	6,342
Wintergrazer 70	1,451	3,504	1,372	—	6,327
Wren's Abruzzi AL	1,647	3,005	1,286	—	5,938
96P16M	1,284	3,169	1,206	—	5,659
FL-SYN-T	1,299	2,931	1,225	—	5,455
Test Mean	1,469	3,220	1,758	—	6,446
C.V. (%)	10	15	14	—	10
L.S.D (.10)	199	683	335	—	876
Triticale					
Trical 2700	1,326	3,167	2,034	—	6,527
Trical 498	930	3,499	1,638	—	6,067
RSI 351	1,341	3,094	1,431	—	5,866
Test Mean	1,199	3,253	1,701	—	6,153
C.V. (%)	15	11	10	—	6
L.S.D (.10)	320	647	298	—	649

TABLE 20. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	1,101	2,925	1,136	—	5,162
Oats					
Secretariat LA 495	1,619	2,905	2,528	—	7,051
Harrison	1,604	2,804	2,440	—	6,848
Horizon 314	1,464	2,634	2,623	—	6,721
Ga Mitchell	1,545	2,507	2,311	—	6,363
Chapman	1,484	2,685	1,958	—	6,126
Rye					
Elbon	1,724	2,556	2,151	—	6,431
Oklon	1,934	2,751	1,720	—	6,405
SPI Rye	1,856	2,949	1,513	—	6,318
Maton	1,596	2,512	2,174	—	6,282
Bates	1,858	2,835	1,533	—	6,226
Wren's 96	1,972	2,910	1,188	—	6,070
Wintergrazer 70	1,916	2,842	1,287	—	6,045
Wren's Abruzzi AL	1,860	2,712	955	—	5,527
Triticale					
Trical 2700	1,789	2,604	1,351	—	5,744
Trical 498	1,429	2,675	917	—	5,021

TABLE 21. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	1,292	2,563	1,550	—	5,405
Oats					
Horizon 314	1,689	2,558	2,838	876	7,961
Secretariat LA 495	1,648	2,500	2,539	668	7,355
Harrison	1,801	2,596	2,530	230	7,156
Ga Mitchell	1,711	2,401	2,382	184	6,678
Chapman	1,543	2,447	2,035	186	6,212
Rye					
Elbon	1,866	2,413	2,310	—	6,589
Oklon	2,073	2,478	1,922	—	6,473
Bates	2,056	2,609	1,747	—	6,412
Maton	1,777	2,331	2,238	—	6,346
Wren's 96	2,108	2,610	1,613	—	6,332
Wintergrazer 70	1,893	2,618	1,669	—	6,180
Wren's Abruzzi AL	1,868	2,469	1,325	—	5,661
Triticale					
Trical 2700	1,916	2,315	1,530	—	5,761

TABLE 22. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT MONROEVILLE EXPERIMENT FIELD, MONROEVILLE, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
GA 91426E39	467	2,263	2,565	—	5,295
Roberts	506	2,094	2,295	—	4,895
GA 901146E15	511	2,236	2,143	—	4,890
Test Mean	495	2,198	2,334	—	5,027
C.V. (%)	5	4	8	—	3
L.S.D (.10)	41	154	307	—	266
Oats					
Horizon 314	425	2,012	3,629	—	6,066
Ga Mitchell	376	2,164	3,388	—	5,928
Secretariat LA 495	302	2,299	3,321	—	5,923
Harrison	418	1,854	3,572	—	5,844
LA 90113AFL2-1-19-3-1	438	1,902	3,337	—	5,676
LA 9339E45	489	1,996	2,956	—	5,441
Chapman	464	2,070	2,854	—	5,388
LA 604	237	1,785	3,053	—	5,076
TX 98D666	425	1,459	3,135	—	5,019
Test Mean	397	1,949	3,250	—	5,596
C.V. (%)	23	8	8	—	5
L.S.D (.10)	131	229	376	—	391
Rye					
Elbon	618	2,883	3,225	—	6,726
Maton	691	2,595	3,254	—	6,540
Oklon	809	2,877	2,660	—	6,346
Bates	869	2,731	2,643	—	6,242
SPI Rye	667	2,985	2,462	—	6,114
Wintergrazer 70	578	2,749	2,333	—	5,661
96RS1	890	2,335	2,027	—	5,251
96P16M	537	2,287	2,292	—	5,117
Wren's 96	654	2,477	1,974	—	5,106
Wren's Abruzzi AL	577	2,289	1,762	—	4,629
FL-SYN-T	441	2,309	1,575	—	4,325
Test Mean	666	2,593	2,382	—	5,641
C.V. (%)	29	6	11	—	7
L.S.D (.10)	269	226	378	—	538
Triticale					
Trical 2700	783	2,721	2,957	—	6,462
RSI 351	603	2,119	1,866	—	4,587
Trical 498	516	2,259	1,337	—	4,112
Test Mean	634	2,366	2,053	—	5,054
C.V. (%)	18	12	11	—	9
L.S.D (.10)	200	501	395	—	770

TABLE 23. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT MONROEVILLE EXPERIMENT FIELD, MONROEVILLE, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	591	2,057	2,180	—	4,828
Oats					
Horizon 314	513	1,928	2,931	—	5,372
Ga Mitchell	567	2,013	2,730	—	5,311
Secretariat LA 495	469	2,035	2,750	—	5,254
Harrison	480	1,767	2,939	—	5,187
Chapman	533	2,042	2,381	—	4,957
Rye					
Elbon	924	2,279	2,719	—	5,922
Maton	871	2,118	2,839	—	5,828
SPI Rye	873	2,359	2,552	—	5,784
Bates	1,077	2,231	2,467	—	5,775
Oklon	924	2,191	2,503	—	5,618
Wintergrazer 70	834	2,303	2,418	—	5,554
Wren's 96	895	2,343	2,292	—	5,531
Wren's Abruzzi AL	905	2,236	1,799	—	4,940
Triticale					
Trical 2700	910	2,426	2,514	—	5,850
Trical 498	780	2,220	1,201	—	4,200

TABLE 24. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT MONROEVILLE EXPERIMENT FIELD, MONROEVILLE, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	597	2,079	2,548	—	5,224
Oats					
Horizon 314	542	1,939	3,090	—	5,571
Ga Mitchell	638	1,957	2,875	—	5,470
Secretariat LA 495	563	1,974	2,879	—	5,415
Harrison	479	1,720	2,992	—	5,190
Chapman	577	1,978	2,632	—	5,187
Rye					
Wren's 96	969	2,368	3,006	—	6,343
Bates	1,068	2,217	2,945	—	6,230
Elbon	957	2,126	3,137	—	6,220
Oklon	1,014	2,147	3,024	—	6,185
Wintergrazer 70	864	2,238	3,038	—	6,140
Maton	893	1,983	3,045	—	5,921
Wren's Abruzzi AL	959	2,215	2,240	—	5,414
Triticale					
Trical 2700	869	2,283	2,509	—	5,661

TABLE 25. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, ALABAMA, 2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	911	2,246	1,397	—	4,555
GA 91426E39	940	1,955	1,174	—	4,070
GA 901146E15	904	2,273	553	—	3,730
Test Mean	919	2,158	1,042	—	4,118
C.V. (%)	17	17	20	—	11
L.S.D (.10)	274	637	358	—	759
Oats					
Ga Mitchell	1,167	2,602	1,553	—	5,322
LA 9339E45	1,214	2,253	1,658	—	5,125
Horizon 314	1,140	2,151	1,742	—	5,034
Harrison	1,430	1,951	1,629	—	5,010
Secretariat LA 495	1,124	2,114	1,456	—	4,694
LA 90113AFL2-1-19-3-1	816	2,009	1,571	—	4,396
LA 604	873	1,879	1,562	—	4,314
TX 98D666	1,180	1,872	1,124	—	4,176
Chapman	1,030	1,973	1,012	—	4,015
Test Mean	1,108	2,089	1,478	—	4,676
C.V. (%)	23	9	16	—	8
L.S.D (.10)	359	258	343	—	547
Rye					
SPI Rye	1,178	3,926	1,961	—	7,066
Wren's 96	1,477	4,448	1,056	—	6,981
Oklon	1,416	3,278	2,248	—	6,942
Wren's Abruzzi AL	1,464	4,415	919	—	6,798
Wintergrazer 70	1,069	4,162	1,377	—	6,608
Bates	1,204	3,506	1,860	—	6,571
96RS1	1,389	3,868	1,269	—	6,526
Elbon	1,129	2,741	2,490	—	6,360
96P16M	1,199	3,974	887	—	6,060
FL-SYN-T	1,225	3,527	1,088	—	5,839
Maton	944	2,130	2,180	—	5,254
Test Mean	1,245	3,634	1,576	—	6,455
C.V. (%)	24	12	15	—	11
L.S.D (.10)	416	639	335	—	959
Triticale					
RSI 351	1,317	3,541	631	—	5,490
Trical 2700	946	3,486	981	—	5,413
Trical 498	900	2,389	465	—	3,753
Test Mean	1,054	3,139	692	—	4,886
C.V. (%)	23	5	18	—	8
L.S.D (.10)	422	271	219	—	716

TABLE 26. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, ALABAMA, 2000-01

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	456	2,236	2,265	—	4,956
Oats					
Secretariat LA 495	562	2,366	2,480	—	5,408
Ga Mitchell	584	2,533	2,203	—	5,320
Horizon 314	570	2,175	2,505	—	5,250
Harrison	715	2,222	2,197	—	5,134
Chapman	515	2,267	1,807	—	4,589
Rye					
Wren's 96	738	4,648	2,105	—	7,491
Wintergrazer 70	535	3,822	2,574	—	6,930
SPI Rye	589	3,358	2,931	—	6,879
Bates	602	3,291	2,908	—	6,801
Oklon	708	2,834	3,230	—	6,771
Wren's Abruzzi AL	732	4,460	1,372	—	6,563
Maton	472	2,653	3,365	—	6,489
Elbon	565	2,529	3,177	—	6,272
Triticale					
Trical 2700	473	3,289	1,695	—	5,457
Trical 498	450	2,526	734	—	3,710

TABLE 27. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, ALABAMA, 1999-2001

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	806	2,285	2,632	—	5,722
Oats					
Harrison	1,017	2,288	2,925	—	6,230
Secretariat LA 495	821	2,247	3,126	—	6,193
Horizon 314	852	2,225	3,106	—	6,182
Ga Mitchell	862	2,362	2,634	—	5,858
Chapman	925	2,142	2,332	—	5,399
Rye					
Bates	858	3,062	3,817	—	7,736
Wren's 96	927	3,867	2,931	—	7,726
Maton	910	2,533	4,153	—	7,596
Oklon	863	2,623	4,090	—	7,577
Wintergrazer 70	756	3,306	3,371	—	7,433
Elbon	815	2,406	3,997	—	7,218
Wren's Abruzzi AL	1,008	3,754	2,261	—	7,022
Triticale					
Trical 2700	924	2,950	2,253	—	6,128

Sources of Seed

Wheat

AR 494B-2-2*
AR 584A-3-1*

University of Arkansas
Fayetteville, Arkansas

Roberts
GA 91426E39*
GA 901146E15*

Univ. of Georgia, Georgia Station
Griffin, Georgia

Oats

Chapman
Horizon 314

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

Ga Mitchell

Alabama Crop Improvement
Assoc., Auburn, Alabama

Harrison

Alabama Farmer's Coop
Decatur, Alabama

Secretariat LA 495

Terral Seed, Inc.
Lake Providence, Louisiana

Dallas, TX 96D011*
TX 98D666*

Texas A&M University
Dallas, Texas

LA 9339E45*
LA 90113AFL2-1-19-3-1*

Louisiana State University
Baton Rouge, Louisiana

LA 604

Arkansas County Seed Co.
Stuttgart, Arkansas

Barley

TX 94D632*

Texas A&M University
Dallas, Texas

Rye

Wren's Abruzzi AL

Alabama Crop Improvement
Assoc., Auburn, Alabama

Bates, Elbon,
Maton, Oklon

Samuel Roberts Noble Founda-
tion, Inc., Ardmore, Oklahoma

Wren's 96
96RSI, 96P16M

Univ. of Georgia, Georgia Station
Griffin, Georgia

Wintergrazer 70
SPI Rye

Pennington Seed, Inc.
Madison, Georgia

Carolina Grazer 2000
Carolina Early Grazer 2000

Gainey Grain, Inc.
Laurel Hill, North Carolina

FL Syn-T

University of Florida
Quincy, Florida

SS Early Grazer

Southern States Coop.
Richmond, Virginia

Triticale

Trical 498, Trical 2700
RSI Exp351*

Resource Seeds, Inc.
Union, Kentucky

* Experimental line; not yet commercially available.