

Agronomy and Soils Departmental Series No. 219 September 1999
Alabama Agricultural Experiment Station Auburn University
Luther Waters, Jr. Director Auburn, Alabama

**The 1999
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.

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 Research and Extension Center, Belle Mina B.E. Norris, Jr., Supt.
H.E. Burgess, Assoc. Supt.

Sand Mountain Research and Extension Center, Crossville R.A. Dawkins, Supt.

Upper Coastal Research Station, Winfield R.C. Rawls, Supt.

Central Alabama

Black Belt Research and Extension Center, Marion Junction J.L. Holliman, Supt.

Prattville Experiment Field D.P. Moore, Supt.

E.V. Smith Research Center J. S. Bannon, Dir.
Plant Breeding Unit, Tallassee S.P. Nightengale, Supt.

Southern Alabama

Monroeville Experiment Field J.R. Akridge, Supt.

Gulf Coast Research and Extension Center, Fairhope N.R. McDaniel, Supt.
M.D. Pegues, Asst. Supt.

Lower Coastal Plain Research Station, Camden J.A. Little, Supt.
P.A. Rose, Asst. Supt.

Wiregrass Research and Extension Center, Headland L.W. Wells, Supt.
B.E. Gamble, Asst. Supt.

The 1999 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 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 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 1998, all test locations were planted in early to mid-October due to dry conditions. At Sand Mountain Research and Extension Center, Crossville, the forage test was not planted due to dry conditions. In 1997, due to wet conditions, all test locations except the Black Belt Research and Extension Center, Marion Junction, were planted in mid October to early November. At the Black Belt Research and Extension Center, the test was not planted due to wet conditions. The tests were fertilized at planting with 100 pounds N per acre and clipped with a flail-type mower each time they reached six 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.

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 and should be a better indicator for performance comparisons. In the 1996-97 growing season, all locations had wet conditions but normal growth occurred on most varieties. Wet conditions also delayed clipping at some locations and may have reduced yields of some varieties. In the 1997-98 growing season, most locations reported a wet fall and winter with a dry spring. The 1998-99 growing season was dry in the fall and early spring which delayed planting and affected early growth. At Prattville, the test was inadvertently grazed by cattle which delayed the second cutting by approximately two and a half weeks.

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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, 1999

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>	
Wheat					
GA Dozier	993	2,340	871	2,586	6,790
Roberts	1,135	2,216	743	2,255	6,349
FL 8868	822	1,869	508	2,957	6,155
Wakefield	892	1,846	732	2,535	6,004
<i>Test Mean</i>	<i>960</i>	<i>2,068</i>	<i>713</i>	<i>2,583</i>	<i>6,324</i>
<i>C.V. (%)</i>	<i>15</i>	<i>23</i>	<i>7</i>	<i>12</i>	<i>11</i>
<i>L.S.D (.10)</i>	<i>226</i>	<i>745</i>	<i>74</i>	<i>512</i>	<i>1,079</i>
Oats					
Dallas	632	2,836	982	4,632	9,081
Harrison	697	1,863	627	4,411	7,597
Ozark	633	2,099	645	4,174	7,551
Chapman	1,163	1,836	517	3,887	7,403
Ga Mitchell	844	1,304	710	4,541	7,399
FL X502-1-B-Q1	937	1,820	570	4,062	7,388
FL 920HR31,314	672	1,895	590	4,075	7,232
FL 920HR26,763-W1	1,075	1,255	802	3,512	6,643
<i>Test Mean</i>	<i>832</i>	<i>1,863</i>	<i>680</i>	<i>4,162</i>	<i>7,537</i>
<i>C.V. (%)</i>	<i>17</i>	<i>22</i>	<i>39</i>	<i>10</i>	<i>8</i>
<i>L.S.D (.10)</i>	<i>207</i>	<i>586</i>	<i>378</i>	<i>573</i>	<i>874</i>
Rye					
Wheeler	1,463	1,510	723	4,073	7,769
Spring Feast	1,356	1,515	944	3,532	7,347
Maton	1,443	1,661	1,513	2,492	7,109
Oklon	1,576	1,632	1,274	2,554	7,036
Elbon	1,408	1,564	1,496	2,298	6,765
Bates	1,560	1,806	1,001	2,285	6,652
Wren's 96	1,373	1,765	818	2,075	6,031
SS Early Graze	1,277	1,635	1,043	1,945	5,900
Wintergrazer 70	1,379	1,493	1,063	1,877	5,812
Wren's Abruzzi AL	1,407	1,657	658	2,009	5,731
<i>Test Mean</i>	<i>1,424</i>	<i>1,624</i>	<i>1,053</i>	<i>2,514</i>	<i>6,615</i>
<i>C.V. (%)</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>15</i>	<i>7</i>
<i>L.S.D (.10)</i>	<i>187</i>	<i>237</i>	<i>161</i>	<i>546</i>	<i>620</i>
Triticale					
Trical 2700	1,471	1,373	728	4,137	7,710
RSI TCL Exp 451	1,199	1,702	1,094	3,217	7,212
<i>Test Mean</i>	<i>1,335</i>	<i>1,538</i>	<i>911</i>	<i>3,677</i>	<i>7,461</i>
<i>C.V. (%)</i>	<i>2</i>	<i>12</i>	<i>12</i>	<i>6</i>	<i>5</i>
<i>L.S.D (.10)</i>	<i>61</i>	<i>428</i>	<i>266</i>	<i>486</i>	<i>970</i>

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, 1998-99

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 Dozier	496	1,242	1,415	1,650	4,804
Roberts	568	1,271	1,110	1,606	4,554
Wakefield	446	1,033	1,309	1,692	4,480
Oats					
Dallas	316	1,463	1,649	2,949	6,377
Ozark	317	1,252	1,369	2,591	5,529
Harrison	348	1,004	1,243	2,777	5,373
Chapman	581	993	1,377	2,348	5,299
Ga Mitchell	422	755	1,307	2,736	5,220
Rye					
Maton	721	1,009	2,287	1,542	5,559
Oklon	788	1,062	1,969	1,582	5,401
Elbon	704	898	2,170	1,477	5,248
Bates	780	1,178	1,663	1,447	5,068
Wintergrazer 70	690	924	1,953	1,247	4,813
Wren's 96	687	1,430	1,134	1,467	4,718
Wren's Abruzzi AL	704	1,061	1,177	1,425	4,367
Triticale					
Trical 2700	736	767	1,565	2,812	5,880

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, 1997-99

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 Dozier	331	1,219	1,662	1,264	4,476
Wakefield	297	1,079	1,460	1,277	4,114
Roberts	378	1,137	1,301	1,197	4,014
Oats					
Harrison	232	816	1,261	2,130	4,439
Chapman	388	814	1,432	1,698	4,331
Ga Mitchell	281	598	1,250	1,981	4,111
Rye					
Maton	481	1,334	2,599	1,371	5,785
Oklon	525	1,580	2,153	1,320	5,578
Bates	520	1,506	1,972	1,220	5,217
Wren's 96	458	1,505	1,329	1,173	4,464
Wren's Abruzzi AL	469	1,135	1,228	1,118	3,950
Triticale					
Trical 2700	490	775	1,594	2,203	5,063

TABLE 4. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT UPPER COASTAL PLAIN RESEARCH STATION, WINFIELD, ALABAMA, 1999

Brand-Variety	Seasonal Forage Yield/Acre				
	Autumn	Winter	Early Spring	Late Spring	Total
	lb.	lb.	lb.	lb.	lb.
Wheat					
Wakefield	—	2,690	1,014	—	3,704
GA Dozier	—	2,456	1,007	—	3,462
FL 8868	—	2,839	505	—	3,344
Roberts	—	2,418	884	—	3,302
<i>Test Mean</i>	—	<i>2,601</i>	<i>852</i>	—	<i>3,453</i>
<i>C.V. (%)</i>	—	<i>13</i>	<i>13</i>	—	<i>8</i>
<i>L.S.D (.10)</i>	—	<i>535</i>	<i>180</i>	—	<i>424</i>
Oats					
Dallas	—	2,459	978	—	3,436
Ozark	—	2,233	1,049	—	3,282
Ga Mitchell	—	2,031	1,045	—	3,075
Harrison	—	2,321	575	—	2,896
FL 920HR31,314	—	1,922	939	—	2,861
FL X502-1-B-Q1	—	2,148	463	—	2,612
Chapman	—	1,943	272	—	2,215
FL 920HR26,763-W1	—	1,763	—	—	1,763
<i>Test Mean</i>	—	<i>2,102</i>	<i>760</i>	—	<i>2,767</i>
<i>C.V. (%)</i>	—	<i>13</i>	<i>39</i>	—	<i>15</i>
<i>L.S.D (.10)</i>	—	<i>393</i>	<i>484</i>	—	<i>610</i>
Rye					
Spring Feast	—	2,700	1,640	—	4,339
Oklon	—	2,827	1,431	—	4,257
Maton	—	2,304	1,768	—	4,072
Bates	—	2,458	1,329	—	3,787
Elbon	—	2,498	1,278	—	3,776
Wheeler	—	2,312	1,384	—	3,696
SS Early Graze	—	2,423	971	—	3,394
Wintergrazer 70	—	2,311	1,026	—	3,337
Wren's 96	—	2,187	1,137	—	3,324
Wren's Abruzzi AL	—	2,455	613	—	3,069
<i>Test Mean</i>	—	<i>2,447</i>	<i>1,258</i>	—	<i>3,705</i>
<i>C.V. (%)</i>	—	<i>11</i>	<i>18</i>	—	<i>9</i>
<i>L.S.D (.10)</i>	—	<i>370</i>	<i>324</i>	—	<i>478</i>
Triticale					
Trical 2700	—	2,234	1,384	—	3,618
RSI TCL Exp 451	—	1,773	1,111	—	2,884
<i>Test Mean</i>	—	<i>2,004</i>	<i>1,247</i>	—	<i>3,251</i>
<i>C.V. (%)</i>	—	<i>11</i>	<i>10</i>	—	<i>13</i>
<i>L.S.D (.10)</i>	—	<i>508</i>	<i>288</i>	—	<i>992</i>

TABLE 5. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT UPPER COASTAL RESEARCH STATION, WINFIELD, ALABAMA, 1998-99

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>	
Wheat					
Wakefield	—	1,901	1,257	350	3,508
GA Dozier	—	1,758	1,246	218	3,223
Roberts	—	1,742	954	315	3,012
Oats					
Ozark	—	1,473	1,113	505	3,091
Dallas	—	1,566	1,058	161	2,784
Chapman	—	1,583	823	179	2,585
Ga Mitchell	—	1,406	903	245	2,554
Harrison	—	1,608	563	-	2,171
Rye					
Oklon	—	1,976	1,697	195	3,868
Maton	—	1,499	1,992	311	3,801
Elbon	—	1,758	1,756	174	3,688
Wintergrazer 70	—	1,677	1,534	472	3,683
Bates	—	1,903	1,537	109	3,550
Wren's 96	—	1,750	1,106	242	3,097
Wren's Abruzzi AL	—	1,843	764	174	2,781
Triticale					
Trical 2700	—	1,683	1,391	319	3,392

TABLE 6. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT UPPER COASTAL RESEARCH STATION, WINFIELD, ALABAMA, 1997-99

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>	
Wheat					
Wakefield	—	1,463	1,462	233	3,158
GA Dozier	—	1,253	1,579	145	2,978
Roberts	—	1,257	1,288	210	2,755
Oats					
Chapman	—	1,055	875	119	2,049
Ga Mitchell	—	937	602	164	1,702
Harrison	—	1,072	375	-	1,447
Rye					
Oklon	—	1,558	1,971	130	3,660
Maton	—	1,200	2,203	207	3,611
Bates	—	1,575	1,765	73	3,414
Wren's 96	—	1,268	1,372	161	2,801
Wren's Abruzzi AL	—	1,351	952	116	2,419
Triticale					
Trical 2700	—	1,191	1,272	212	2,676

TABLE 7. 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

Brand-Variety	Seasonal Forage Yield/Acre				
	Autumn	Winter	Early Spring	Late Spring	Total
	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>	<i>lb.</i>
Wheat					
Roberts	—	2,107	2,011	905	5,023
FL 8868	—	2,589	647	1,513	4,749
GA Dozier	—	1,820	1,727	954	4,501
Wakefield	—	1,799	1,756	924	4,480
<i>Test Mean</i>	—	2,079	1,535	1,074	4,688
<i>C.V. (%)</i>	—	18	9	13	8
<i>L.S.D (.10)</i>	—	580	213	221	597
Oats					
Chapman	—	2,501	1,920	2,423	6,843
Harrison	—	2,511	514	2,697	5,722
Dallas	—	2,110	1,115	2,340	5,565
FL 920HR31,314	—	2,364	1,021	2,049	5,433
FL X502-1-B-Q1	—	2,452	624	2,287	5,363
FL 920HR26,763-W1	—	2,468	726	2,011	5,205
Ga Mitchell	—	2,422	614	2,057	5,093
Ozark	—	1,639	1,242	2,115	4,996
<i>Test Mean</i>	—	2,308	972	2,247	5,528
<i>C.V. (%)</i>	—	10	88	10	18
<i>L.S.D (.10)</i>	—	322	1,235	313	1,425
Rye					
Elbon	—	1,369	2,189	931	4,489
Oklon	—	1,634	1,767	590	3,991
Bates	—	1,601	1,814	547	3,961
Wren's Abruzzi AL	—	2,901	256	782	3,940
Maton	—	1,015	1,919	981	3,915
SS Early Graze	—	1,835	1,263	728	3,826
Spring Feast	—	1,144	1,584	992	3,719
Wheeler	—	1,441	1,262	896	3,598
Wintergrazer 70	—	1,680	1,231	682	3,593
Wren's 96	—	1,995	821	731	3,546
<i>Test Mean</i>	—	1,661	1,410	786	3,858
<i>C.V. (%)</i>	—	20	8	15	11
<i>L.S.D (.10)</i>	—	478	152	171	626
Triticale					
Trical 2700	—	2,341	950	852	4,143
RSI TCL Exp 451	—	1,069	1,663	847	3,579
<i>Test Mean</i>	—	1,705	1,307	849	3,861
<i>C.V. (%)</i>	—	14	11	28	6
<i>L.S.D (.10)</i>	—	554	355	573	591

TABLE 8. 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, 1997 AND 1999

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>	
Wheat					
Roberts	237	1,053	1,749	453	3,491
Wakefield	279	900	1,558	462	3,198
GA Dozier	238	910	1,514	477	3,139
Oats					
Chapman	276	1,250	1,638	1,211	4,376
Harrison	269	1,255	1,003	1,348	3,875
Ga Mitchell	343	1,211	617	1,029	3,199
Rye					
Wren's Abruzzi AL	280	1,451	909	391	3,031
Bates	338	800	1,561	273	2,972
Maton	271	507	1,676	491	2,945
Oklon	379	817	1,398	295	2,889
Wren's 96	317	997	1,034	365	2,714
Triticale					
Trical 2700	309	1,171	911	426	2,817

TABLE 9. 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, 1996-97 AND 1999

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>	
Wheat					
Wakefield	186	640	1,487	484	2,797
GA Dozier	159	642	1,508	389	2,698
Oats					
Chapman	184	851	1,384	1,117	3,536
Harrison	179	864	774	1,433	3,251
Ga Mitchell	229	822	546	1,060	2,657
Rye					
Maton	180	390	1,756	395	2,722
Wren's Abruzzi AL	187	1,059	932	422	2,599
Oklon	253	625	1,320	269	2,467
Wren's 96	211	785	1,051	340	2,387
Triticale					
Trical 2700	206	840	1,090	355	2,491

TABLE 10. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 1999

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	lb.	lb.	lb.	lb.	
Wheat					
Roberts	—	3,513	3,660	—	7,173
GA Dozier	—	2,622	3,452	—	6,073
FL 8868	—	2,557	2,904	—	5,461
Wakefield	—	1,611	3,070	—	4,681
<i>Test Mean</i>	—	<i>2,575</i>	<i>3,271</i>	—	<i>5,847</i>
<i>C.V. (%)</i>	—	<i>41</i>	<i>5</i>	—	<i>16</i>
<i>L.S.D (.10)</i>	—	<i>1,675</i>	<i>278</i>	—	<i>1,495</i>
Oats					
Harrison	—	2,521	4,094	—	6,614
Dallas	—	1,853	4,685	—	6,538
FL 920HR31,314	—	2,071	4,124	—	6,195
FL 920HR26,763-W1	—	1,850	4,335	—	6,184
Chapman	—	2,302	3,776	—	6,078
FL X502-1-B-Q1	—	1,391	4,344	—	5,735
Ozark	—	1,859	3,735	—	5,594
Ga Mitchell	—	2,353	3,085	—	5,438
<i>Test Mean</i>	—	<i>2,025</i>	<i>4,022</i>	—	<i>6,047</i>
<i>C.V. (%)</i>	—	<i>15</i>	<i>12</i>	—	<i>9</i>
<i>L.S.D (.10)</i>	—	<i>440</i>	<i>685</i>	—	<i>802</i>
Rye					
Spring Feast	—	3,994	3,894	—	7,888
Bates	—	3,937	3,412	—	7,349
Wintergrazer 70	—	3,596	3,206	—	6,802
Elbon	—	3,110	3,647	—	6,757
SS Early Graze	—	3,570	3,122	—	6,692
Maton	—	2,492	4,144	—	6,635
Oklon	—	3,115	3,298	—	6,413
Wren's 96	—	3,426	2,575	—	6,002
Wheeler	—	2,783	3,177	—	5,960
Wren's Abruzzi AL	—	2,491	2,648	—	5,139
<i>Test Mean</i>	—	<i>3,251</i>	<i>3,312</i>	—	<i>6,564</i>
<i>C.V. (%)</i>	—	<i>28</i>	<i>8</i>	—	<i>14</i>
<i>L.S.D (.10)</i>	—	<i>1,285</i>	<i>361</i>	—	<i>1,335</i>
Triticale					
RSI TCL Exp 451	—	1,840	3,482	—	5,321
Trical 2700	—	2,196	3,000	—	5,196
<i>Test Mean</i>	—	<i>2,018</i>	<i>3,241</i>	—	<i>5,259</i>
<i>C.V. (%)</i>	—	<i>11</i>	<i>2</i>	—	<i>3</i>
<i>L.S.D (.10)</i>	—	<i>552</i>	<i>182</i>	—	<i>394</i>

TABLE 11. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 1998-99

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>	
Wheat					
Roberts	—	3,237	2,163	—	5,400
GA Dozier	—	2,397	2,111	—	4,508
Wakefield	—	2,083	1,911	—	3,993
Oats					
Harrison	—	2,194	2,302	—	4,496
Chapman	—	2,313	2,125	—	4,437
Dallas	—	1,723	2,660	—	4,384
Ga Mitchell	—	2,418	1,778	—	4,195
Ozark	—	1,680	2,179	—	3,859
Rye					
Bates	—	3,383	2,199	—	5,582
Wintergrazer 70	—	2,851	2,149	—	4,999
Elbon	—	2,517	2,393	—	4,910
Oklon	—	2,674	2,208	—	4,882
Wren's 96	—	3,183	1,681	—	4,864
Maton	—	2,103	2,674	—	4,777
Wren's Abruzzi AL	—	3,009	1,709	—	4,718
Triticale					
Trical 2700	—	2,181	1,987	—	4,168

TABLE 12. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 1997-99

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>	
Wheat					
Roberts	—	2,817	2,036	206	5,060
GA Dozier	—	2,536	1,907	129	4,573
Wakefield	—	2,290	1,887	152	4,329
Oats					
Chapman	—	2,370	2,070	—	4,440
Harrison	—	2,217	2,125	—	4,343
Ga Mitchell	—	2,270	1,654	—	3,923
Rye					
Bates	—	3,310	2,037	—	5,347
Maton	—	2,402	2,404	—	4,806
Oklon	—	2,716	1,811	—	4,526
Wren's 96	—	2,999	1,448	—	4,447
Wren's Abruzzi AL	—	2,862	1,358	—	4,220
Triticale					
Trical 2700	—	2,233	1,597	—	3,830

TABLE 13. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 1999

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>	
Wheat					
Roberts	2,522	809	1,544	—	4,875
Wakefield	2,556	811	1,434	—	4,801
GA Dozier	2,190	622	1,399	—	4,211
FL 8868	1,093	983	1,137	—	3,213
<i>Test Mean</i>	<i>2,090</i>	<i>806</i>	<i>1,378</i>	—	<i>4,275</i>
<i>C.V. (%)</i>	<i>59</i>	<i>31</i>	<i>13</i>	—	<i>35</i>
<i>L.S.D (.10)</i>	<i>1,969</i>	<i>394</i>	<i>276</i>	—	<i>2,379</i>
Oats					
Harrison	2,939	762	1,504	—	5,206
FL 920HR26,763-W1	2,985	645	1,094	—	4,724
Ozark	2,761	630	1,290	—	4,681
Ga Mitchell	2,420	850	1,156	—	4,427
FL X502-1-B-Q1	2,288	772	1,185	—	4,245
FL 920HR31,314	2,456	527	1,146	—	4,129
Chapman	1,922	1,004	1,137	—	4,062
Dallas	1,624	682	1,306	—	3,611
<i>Test Mean</i>	<i>2,424</i>	<i>734</i>	<i>1,227</i>	—	<i>4,386</i>
<i>C.V. (%)</i>	<i>48</i>	<i>18</i>	<i>16</i>	—	<i>27</i>
<i>L.S.D (.10)</i>	<i>1,680</i>	<i>191</i>	<i>281</i>	—	<i>1,717</i>
Rye					
Elbon	4,943	766	1,875	—	7,584
Wren's 96	3,810	1,063	1,605	—	6,478
Oklon	2,946	735	2,102	—	5,783
Wintergrazer 70	3,018	907	1,577	—	5,502
SS Early Graze	2,756	930	1,789	—	5,474
Wren's Abruzzi AL	2,340	1,340	1,151	—	4,831
Wheeler	2,872	816	993	—	4,680
Bates	2,101	811	1,720	—	4,632
Spring Feast	2,072	660	1,430	—	4,162
Maton	1,632	602	1,754	—	3,987
<i>Test Mean</i>	<i>2,849</i>	<i>863</i>	<i>1,600</i>	—	<i>5,311</i>
<i>C.V. (%)</i>	<i>49</i>	<i>23</i>	<i>13</i>	—	<i>29</i>
<i>L.S.D (.10)</i>	<i>1,980</i>	<i>279</i>	<i>302</i>	—	<i>2,189</i>
Triticale					
Trical 2700	2,072	924	1,128	—	4,124
RSI TCL Exp 451	1,496	483	957	—	2,936
<i>Test Mean</i>	<i>1,784</i>	<i>703</i>	<i>1,042</i>	—	<i>3,530</i>
<i>C.V. (%)</i>	<i>63</i>	<i>27</i>	<i>17</i>	—	<i>38</i>
<i>L.S.D (.10)</i>	<i>2,693</i>	<i>454</i>	<i>413</i>	—	<i>3,188</i>

TABLE 14. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 1998-99

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>	
Wheat					
Roberts	1,641	971	1,277	629	4,519
Wakefield	1,522	969	1,223	424	4,137
GA Dozier	1,291	700	1,250	525	3,767
Oats					
Harrison	1,653	849	1,089	703	4,295
Ozark	1,425	694	1,101	550	3,771
Chapman	1,118	1,202	841	496	3,657
Ga Mitchell	1,364	895	830	392	3,481
Dallas	855	901	1,071	603	3,430
Rye					
Elbon	2,847	887	1,547	435	5,716
Wren's 96	2,463	1,186	1,267	369	5,285
Wintergrazer 70	1,842	978	1,528	458	4,805
Oklon	1,863	805	1,740	341	4,749
Bates	1,410	1,025	1,404	334	4,173
Wren's Abruzzi AL	1,611	1,311	888	270	4,080
Maton	1,009	556	1,611	473	3,649
Triticale					
Trical 2700	1,206	899	1,110	464	3,678

TABLE 15. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 1997-99

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>	
Wheat					
Roberts	1,204	1,153	1,384	420	4,160
Wakefield	1,078	1,073	1,345	283	3,778
GA Dozier	952	857	1,366	350	3,526
Oats					
Harrison	1,135	872	1,138	469	3,614
Chapman	764	1,136	950	331	3,181
Ga Mitchell	951	960	901	261	3,072
Rye					
Wren's 96	1,845	1,424	1,205	246	4,720
Oklon	1,467	1,072	1,516	227	4,283
Bates	1,267	1,278	1,376	222	4,144
Wren's Abruzzi AL	1,247	1,480	876	180	3,783
Maton	868	864	1,551	315	3,599
Triticale					
Trical 2700	923	1,155	1,186	309	3,573

TABLE 16. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 1999

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>	
Wheat					
GA Dozier	2,354	1,999	2,232	—	6,586
Wakefield	1,711	2,189	2,268	—	6,167
Roberts	1,674	1,838	2,380	—	5,891
FL 8868	1,551	2,139	1,769	—	5,459
<i>Test Mean</i>	<i>1,822</i>	<i>2,041</i>	<i>2,162</i>	—	<i>6,026</i>
<i>C.V. (%)</i>	<i>16</i>	<i>8</i>	<i>19</i>	—	<i>8</i>
<i>L.S.D (.10)</i>	<i>464</i>	<i>257</i>	<i>636</i>	—	<i>754</i>
Oats					
FL 920HR31,314	2,140	2,406	3,267	2,629	10,442
FL X502-1-B-Q1	2,233	1,511	2,497	2,338	8,579
Secretariat LA 495	1,706	1,691	2,561	2,004	7,962
Harrison	2,195	2,178	2,711	689	7,773
Ozark	1,981	2,129	2,870	743	7,723
FL 920HR26,763-W1	1,373	1,614	2,355	2,067	7,410
Ga Mitchell	2,044	2,187	2,525	553	7,309
Dallas	1,531	2,056	2,582	742	6,910
Chapman	1,662	1,971	2,191	558	6,382
<i>Test Mean</i>	<i>1,874</i>	<i>1,971</i>	<i>2,618</i>	<i>1,369</i>	<i>7,832</i>
<i>C.V. (%)</i>	<i>17</i>	<i>13</i>	<i>21</i>	<i>9</i>	<i>9</i>
<i>L.S.D (.10)</i>	<i>457</i>	<i>376</i>	<i>781</i>	<i>184</i>	<i>1,016</i>
Rye					
Elbon	2,150	2,127	2,627	—	6,904
Wren's 96	2,380	2,010	2,465	—	6,854
Spring Feast	1,827	2,381	2,591	—	6,799
Bates	2,451	2,156	2,177	—	6,783
SS Early Graze	1,890	2,109	2,714	—	6,712
Oklon	2,351	1,932	2,325	—	6,608
Maton	2,139	1,971	2,364	—	6,474
Wintergrazer 70	1,848	2,170	2,432	—	6,450
Wheeler	1,949	2,238	1,933	—	6,120
Wren's Abruzzi AL	1,883	1,984	2,063	—	5,930
<i>Test Mean</i>	<i>2,087</i>	<i>2,108</i>	<i>2,369</i>	—	<i>6,563</i>
<i>C.V. (%)</i>	<i>21</i>	<i>10</i>	<i>9</i>	—	<i>8</i>
<i>L.S.D (.10)</i>	<i>618</i>	<i>307</i>	<i>309</i>	—	<i>719</i>
Triticale					
RSI TCL Exp 451	2,148	2,041	2,011	—	6,201
Trical 2700	2,170	1,737	1,888	—	5,795
<i>Test Mean</i>	<i>2,159</i>	<i>1,889</i>	<i>1,949</i>	—	<i>5,998</i>
<i>C.V. (%)</i>	<i>26</i>	<i>5</i>	<i>8</i>	—	<i>14</i>
<i>L.S.D (.10)</i>	<i>1,348</i>	<i>233</i>	<i>391</i>	—	<i>1,945</i>

TABLE 17. 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, 1998-99

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>	
Wheat					
GA Dozier	1,523	2,218	1,759	989	6,490
Roberts	1,482	2,193	1,795	680	6,149
Wakefield	1,280	2,269	1,650	829	6,029
Oats					
Harrison	1,608	2,242	1,594	2,054	7,498
Ga Mitchell	1,592	2,005	1,481	1,405	6,483
Dallas	1,113	2,168	1,611	1,330	6,222
Chapman	1,370	1,917	1,318	1,616	6,221
Rye					
Bates	2,039	2,389	1,374	956	6,758
Maton	1,740	2,276	1,919	796	6,732
Elbon	1,701	2,259	1,913	659	6,532
Oklon	1,921	2,136	1,618	733	6,408
Wintergrazer 70	1,514	2,312	1,755	755	6,337
Wren's 96	1,860	2,154	1,337	768	6,119
Wren's Abruzzi AL	1,453	1,984	1,112	964	5,512
Triticale					
Trical 2700	1,661	1,993	1,371	1,306	6,331

TABLE 18. 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, 1997-99

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>	
Wheat					
GA Dozier	1,441	2,050	1,961	659	6,112
Roberts	1,410	1,984	1,948	453	5,795
Wakefield	1,184	1,949	1,762	553	5,448
Oats					
Harrison	1,543	2,149	1,845	1,369	6,905
Ga Mitchell	1,610	1,917	1,715	936	6,177
Chapman	1,252	1,999	1,682	1,078	6,010
Rye					
Oklon	2,186	2,132	1,724	489	6,530
Maton	1,653	2,086	2,175	531	6,445
Bates	1,913	2,217	1,647	637	6,414
Wren's 96	2,041	1,923	1,557	512	6,032
Wren's Abruzzi AL	1,515	1,903	1,279	642	5,339
Triticale					
Trical 2700	1,565	1,967	1,754	871	6,157

TABLE 19. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT MONROEVILLE EXPERIMENT FIELD, MONROEVILLE, ALABAMA, 1999

Brand-Variety	Seasonal Forage Yield/Acre				Total
	Autumn	Winter	Early Spring	Late Spring	
	lb.	lb.	lb.	lb.	
Wheat					
Roberts	609	2,123	3,283	—	6,015
FL 8868	519	2,299	2,734	—	5,552
Wakefield	560	1,783	2,970	—	5,313
GA Dozier	567	1,727	2,771	—	5,066
<i>Test Mean</i>	<i>564</i>	<i>1,983</i>	<i>2,940</i>	—	<i>5,486</i>
<i>C.V. (%)</i>	<i>20</i>	<i>9</i>	<i>7</i>	—	<i>7</i>
<i>L.S.D (.10)</i>	<i>181</i>	<i>275</i>	<i>310</i>	—	<i>584</i>
Oats					
FL X502-1-B-Q1	745	1,816	3,425	—	5,987
FL 920HR31,314	599	1,960	3,408	—	5,967
Ga Mitchell	779	1,845	3,165	—	5,789
Secretariat LA 495	750	1,851	3,136	—	5,737
Chapman	665	1,849	3,132	—	5,646
Dallas	709	1,895	2,946	—	5,550
FL 920HR26,763-W1	511	1,721	3,224	—	5,456
Harrison	475	1,624	3,097	—	5,196
Ozark	550	1,651	2,811	—	5,011
<i>Test Mean</i>	<i>643</i>	<i>1,801</i>	<i>3,149</i>	—	<i>5,593</i>
<i>C.V. (%)</i>	<i>27</i>	<i>15</i>	<i>11</i>	—	<i>10</i>
<i>L.S.D (.10)</i>	<i>244</i>	<i>374</i>	<i>490</i>	—	<i>783</i>
Rye					
Wren's 96	1,117	2,417	4,433	—	7,967
Oklon	1,193	2,061	4,066	—	7,319
Wintergrazer 70	925	2,108	4,279	—	7,312
Bates	1,051	2,189	3,902	—	7,141
Elbon	1,022	1,820	3,974	—	6,816
SS Early Graze	809	2,036	3,821	—	6,666
Wren's Abruzzi AL	1,067	2,173	3,122	—	6,362
Maton	937	1,713	3,458	—	6,108
Spring Feast	908	2,083	2,917	—	5,908
Wheeler	1,002	2,053	1,856	—	4,910
<i>Test Mean</i>	<i>1,003</i>	<i>2,065</i>	<i>3,583</i>	—	<i>6,651</i>
<i>C.V. (%)</i>	<i>19</i>	<i>11</i>	<i>8</i>	—	<i>9</i>
<i>L.S.D (.10)</i>	<i>273</i>	<i>320</i>	<i>410</i>	—	<i>893</i>
Triticale					
RSI TCL Exp 451	594	1,770	3,024	—	5,389
Trical 2700	788	1,997	2,499	—	5,284
<i>Test Mean</i>	<i>691</i>	<i>1,884</i>	<i>2,762</i>	—	<i>5,337</i>
<i>C.V. (%)</i>	<i>21</i>	<i>5</i>	<i>13</i>	—	<i>11</i>
<i>L.S.D (.10)</i>	<i>344</i>	<i>240</i>	<i>870</i>	—	<i>1,405</i>

TABLE 20. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT MONROEVILLE EXPERIMENT FIELD, MONROEVILLE, ALABAMA, 1998-99

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>	
Wheat					
Roberts	304	1,334	2,260	—	3,899
Wakefield	280	1,094	2,154	—	3,529
GA Dozier	283	988	1,904	—	3,176
Oats					
Ga Mitchell	390	1,075	2,376	—	3,841
Chapman	333	1,057	2,438	—	3,827
Dallas	354	1,050	2,272	—	3,676
Harrison	238	944	2,237	—	3,419
Rye					
Wren's 96	559	1,460	2,819	—	4,838
Bates	525	1,339	2,528	—	4,392
Wintergrazer 70	463	1,231	2,662	—	4,355
Oklon	597	1,186	2,528	—	4,310
Wren's Abruzzi AL	533	1,372	2,293	—	4,198
Elbon	511	1,053	2,500	—	4,064
Maton	468	990	2,270	—	3,728
Triticale					
Trical 2700	394	1,155	2,018	—	3,567

TABLE 21. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT MONROEVILLE EXPERIMENT FIELD, MONROEVILLE, ALABAMA, 1997-99

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>	
Wheat					
Roberts	468	1,458	2,060	—	3,986
Wakefield	413	1,325	2,077	—	3,815
GA Dozier	416	1,224	1,786	—	3,426
Oats					
Chapman	344	1,247	2,252	—	3,843
Ga Mitchell	429	1,169	1,902	—	3,500
Harrison	321	1,099	1,938	—	3,359
Rye					
Wren's 96	744	1,500	2,386	—	4,630
Bates	746	1,408	2,256	—	4,411
Oklon	793	1,352	2,220	—	4,365
Wren's Abruzzi AL	699	1,393	2,068	—	4,159
Maton	685	1,218	2,180	—	4,083
Triticale					
Trical 2700	528	1,323	1,955	—	3,806

TABLE 22. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, ALABAMA, 1999

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>	
Wheat					
GA Dozier	1,835	1,993	4,567	—	8,396
Roberts	1,506	2,385	3,364	—	7,254
Wakefield	1,226	2,556	3,202	—	6,984
FL 8868	1,944	2,032	2,983	—	6,958
<i>Test Mean</i>	<i>1,628</i>	<i>2,241</i>	<i>3,529</i>	—	<i>7,398</i>
<i>C.V. (%)</i>	<i>33</i>	<i>26</i>	<i>25</i>	—	<i>19</i>
<i>L.S.D (.10)</i>	<i>854</i>	<i>913</i>	<i>1,375</i>	—	<i>2,180</i>
Oats					
Harrison	1,620	2,422	4,380	—	8,422
FL 920HR31,314	1,416	2,324	4,306	—	8,047
Ozark	1,126	2,016	4,627	—	7,769
Secretariat LA 495	1,338	2,007	4,417	—	7,763
FL X502-1-B-Q1	1,293	2,084	4,312	—	7,689
Dallas	1,277	2,191	4,199	—	7,668
Chapman	1,744	1,893	3,381	—	7,018
FL 920HR26,763-W1	977	2,176	3,783	—	6,937
Ga Mitchell	1,420	2,021	3,494	—	6,935
<i>Test Mean</i>	<i>1,357</i>	<i>2,126</i>	<i>4,100</i>	—	<i>7,583</i>
<i>C.V. (%)</i>	<i>28</i>	<i>9</i>	<i>9</i>	—	<i>8</i>
<i>L.S.D (.10)</i>	<i>541</i>	<i>258</i>	<i>500</i>	—	<i>894</i>
Rye					
Maton	1,785	2,293	5,730	—	9,809
Bates	1,369	2,602	5,636	—	9,606
Oklon	1,174	2,203	5,811	—	9,188
Spring Feast	1,689	2,173	5,292	—	9,154
Elbon	1,316	2,159	5,637	—	9,112
Wintergrazer 70	1,198	2,275	4,966	—	8,440
SS Early Graze	1,174	2,184	4,970	—	8,328
Wren's 96	1,304	2,306	4,584	—	8,194
Wren's Abruzzi AL	1,559	2,341	4,040	—	7,940
Wheeler	972	2,101	3,922	—	6,996
<i>Test Mean</i>	<i>1,354</i>	<i>2,264</i>	<i>5,059</i>	—	<i>8,677</i>
<i>C.V. (%)</i>	<i>33</i>	<i>8</i>	<i>8</i>	—	<i>9</i>
<i>L.S.D (.10)</i>	<i>626</i>	<i>263</i>	<i>603</i>	—	<i>1,068</i>
Triticale					
Trical 2700	1,827	2,271	3,370	—	7,469
RSI TCL Exp 451	1,201	2,329	3,591	—	7,122
<i>Test Mean</i>	<i>1,514</i>	<i>2,300</i>	<i>3,481</i>	—	<i>7,295</i>
<i>C.V. (%)</i>	<i>14</i>	<i>8</i>	<i>10</i>	—	<i>5</i>
<i>L.S.D (.10)</i>	<i>520</i>	<i>444</i>	<i>826</i>	—	<i>877</i>

TABLE 23. 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, 1998-99

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>	
Wheat					
GA Dozier	1,169	3,101	4,486	—	8,755
Roberts	1,193	3,255	3,622	—	8,070
Wakefield	872	3,602	3,541	—	8,015
Oats					
Dallas	753	3,535	4,822	—	9,110
Harrison	1,161	3,341	4,252	—	8,754
Chapman	1,128	3,356	3,977	—	8,461
Ga Mitchell	986	3,408	3,818	—	8,212
Rye					
Bates	1,187	4,353	4,822	—	10,362
Maton	1,316	3,255	5,427	—	9,998
Oklon	1,105	3,711	4,883	—	9,698
Wintergrazer 70	935	3,901	4,621	—	9,457
Wren's 96	1,399	4,109	3,581	—	9,089
Elbon	986	3,346	4,722	—	9,053
Wren's Abruzzi AL	1,339	3,791	3,305	—	8,435
Triticale					
Trical 2700	1,183	3,738	4,102	—	9,023

TABLE 24. 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, 1997-99

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>	
Wheat					
GA Dozier	1,165	2,982	4,146	—	8,293
Wakefield	919	3,185	3,451	—	7,555
Roberts	1,091	2,902	3,421	—	7,414
Oats					
Harrison	1,028	3,256	3,768	—	8,052
Chapman	928	3,304	3,573	—	7,805
Ga Mitchell	877	3,520	3,358	—	7,755
Rye					
Maton	1,126	3,052	5,066	—	9,245
Bates	1,060	3,869	4,260	—	9,189
Oklon	1,025	3,687	4,287	—	8,999
Wren's 96	1,275	4,168	3,397	—	8,839
Wren's Abruzzi AL	1,257	3,891	2,898	—	8,046
Triticale					
Trical 2700	1,098	3,423	3,614	—	8,135

TABLE 25. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT LOWER COASTAL PLAIN RESEARCH STATION, CAMDEN, ALABAMA, 1999

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	504	2,137	1,476	—	4,118
GA Dozier	709	1,950	944	—	3,603
Wakefield	416	1,962	1,030	—	3,408
FL 8868	415	1,983	816	—	3,213
<i>Test Mean</i>	<i>511</i>	<i>2,008</i>	<i>1,067</i>	—	<i>3,585</i>
<i>C.V. (%)</i>	<i>13</i>	<i>7</i>	<i>18</i>	—	<i>6</i>
<i>L.S.D (.10)</i>	<i>104</i>	<i>236</i>	<i>297</i>	—	<i>343</i>
Oats					
FL 920HR31,314	440	2,404	1,327	—	4,170
Secretariat LA 495	409	2,203	1,407	—	4,018
Ozark	275	2,275	1,454	—	4,004
Dallas	341	2,428	1,228	—	3,996
FL 920HR26,763-W1	572	2,183	1,194	—	3,949
Harrison	356	2,393	1,174	—	3,922
Chapman	313	2,188	1,180	—	3,682
FL X502-1-B-Q1	296	2,282	1,087	—	3,665
Ga Mitchell	451	1,918	1,241	—	3,610
<i>Test Mean</i>	<i>384</i>	<i>2,253</i>	<i>1,255</i>	—	<i>3,891</i>
<i>C.V. (%)</i>	<i>35</i>	<i>10</i>	<i>9</i>	—	<i>8</i>
<i>L.S.D (.10)</i>	<i>189</i>	<i>336</i>	<i>164</i>	—	<i>454</i>
Rye					
Maton	1,012	1,435	1,822	—	4,269
Bates	884	1,752	1,525	—	4,161
SS Early Graze	612	1,834	1,705	—	4,150
Spring Feast	906	1,630	1,566	—	4,102
Wren's 96	960	1,698	1,427	—	4,084
Oklon	821	1,544	1,604	—	3,969
Wintergrazer 70	529	1,710	1,514	—	3,753
Elbon	607	1,539	1,589	—	3,736
Wheeler	456	2,036	1,239	—	3,731
Wren's Abruzzi AL	508	1,763	1,167	—	3,438
<i>Test Mean</i>	<i>729</i>	<i>1,694</i>	<i>1,516</i>	—	<i>3,939</i>
<i>C.V. (%)</i>	<i>46</i>	<i>9</i>	<i>8</i>	—	<i>8</i>
<i>L.S.D (.10)</i>	<i>483</i>	<i>208</i>	<i>183</i>	—	<i>465</i>
Triticale					
Trical 2700	998	1,803	889	—	3,689
RSI TCL Exp 451	722	1,480	1,147	—	3,349
<i>Test Mean</i>	<i>860</i>	<i>1,641</i>	<i>1,018</i>	—	<i>3,519</i>
<i>C.V. (%)</i>	<i>36</i>	<i>21</i>	<i>7</i>	—	<i>20</i>
<i>L.S.D (.10)</i>	<i>741</i>	<i>814</i>	<i>175</i>	—	<i>1,684</i>

TABLE 26. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT LOWER COASTAL PLAIN RESEARCH STATION, CAMDEN, ALABAMA, 1998-99

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>	
Wheat					
Roberts	252	1,291	1,672	—	3,215
GA Dozier	355	1,081	1,480	—	2,916
Wakefield	208	1,145	1,481	—	2,834
Oats					
Dallas	171	1,285	1,768	—	3,223
Harrison	178	1,283	1,599	—	3,060
Chapman	157	1,217	1,588	—	2,962
Ga Mitchell	225	1,063	1,638	—	2,926
Rye					
Maton	506	745	2,039	—	3,290
Oklon	410	875	1,931	—	3,216
Wren's 96	480	1,088	1,604	—	3,173
Bates	442	1,034	1,680	—	3,156
Elbon	304	837	1,932	—	3,073
Wintergrazer 70	265	899	1,858	—	3,022
Wren's Abruzzi AL	254	1,185	1,297	—	2,736
Triticale					
Trical 2700	499	963	1,618	—	3,080

TABLE 27. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT LOWER COASTAL PLAIN RESEARCH STATION, CAMDEN, ALABAMA, 1997-99

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>	
Wheat					
Roberts	168	1,218	1,687	—	3,073
GA Dozier	236	973	1,427	—	2,636
Wakefield	139	1,042	1,353	—	2,534
Oats					
Harrison	119	1,184	1,633	—	2,936
Chapman	104	1,093	1,704	—	2,901
Ga Mitchell	150	1,022	1,635	—	2,807
Rye					
Wren's 96	320	1,139	1,569	—	3,029
Maton	337	661	2,013	—	3,011
Oklon	274	842	1,788	—	2,904
Bates	295	938	1,629	—	2,862
Wren's Abruzzi AL	169	1,179	1,242	—	2,591
Triticale					
Trical 2700	333	1,009	1,364	—	2,706

Sources of Seed

Wheat

GA Dozier, Roberts
 Univ. of Georgia, Georgia Station
 Griffin, Georgia

Florida 8868
 Univ. of Florida, Agric. Res. Ctr.
 Quincy, Florida

Wakefield
 Alabama Crop Improvement Assoc.
 Auburn, Alabama

Oats

Ozark
 University of Arkansas
 Fayetteville, Arkansas

Dallas
 Texas A&M University
 College Station, Texas

Chapman; FL 920HR31,314;
 FL 920HR26,763-W1;FL X502-1-B-Q1
 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

Rye

Spring Feast
 Johnston Company
 Lubbock, Texas

Wren's Abruzzi AL
 Alabama Crop Improvement Assoc.
 Auburn, Alabama

Bates, Bonel, Elbon, Maton, Oklon
 Samuel Roberts Noble Foundation, Inc.
 Ardmore, Oklahoma

Wren's 96
 Univ. of Georgia, Georgia Station
 Griffin, Georgia

Wintergrazer 70
 Pennington Seed, Inc.
 Madison, Georgia

Wheeler, SS Early Graze
 Southern States Coop.
 Richmond, Virginia

Triticale

Trical 2700, RSI TCL Exp 451
 Resource Seeds, Inc.
 Union, Kentucky