

*Performance  
of Small Grain  
Varieties for  
Forage in  
Alabama,  
2008-09*

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# THE 2009 ALABAMA PERFORMANCE COMPARISON OF SMALL GRAIN VARIETIES FOR FORAGE

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## INTRODUCTION

The large number of commercially available varieties of wheat, OAT, rye, barley, and triticale makes it difficult for growers to select varieties most suited for forage production in their particular area of the State 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 eight locations were used to compile this report. These locations represent the varied growing conditions around the State for the past 3 years.

## PROCEDURE

The experimental design for the tests was a split plot with species as the main plot and varieties as subplots. Plots were 5 feet by 20 feet with rows spaced 7 inches apart. A cone drill was used to plant all tests. Each variety was replicated three times in each test entered.

The tests are normally planted in late September to early October. The tests were fertilized at planting with 100 pounds N per acre and clipped with a flail-type mower each time they reached 6 inches in height. The entire harvested forage from each plot was weighed. A sub-sample was also weighed green from each plot, then dried and reweighed. The percent dry matter figure from these weights was then used to calculate forage dry matter per acre. The tests were top-dressed 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. Cold weather and wet conditions in the fall combined to reduce fall and winter growth.

**TABLE 1. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER, BELLE MINA, ALABAMA, 2009**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
SS 8641		608	1606	1334	3547
GA Gore		492	1603	1257	3353
<i>Oat</i>					
LA 99016SBSB-98		195	1275	2588	4058
LA 9339 Plot Spike		190	1229	2116	3535
LA 99153-45-S1		167	1118	2236	3521
LA 976-59-S1		162	1111	2125	3399
Florida 501		117	1090	1893	3101
<i>Rye</i>					
Wren's Abruzzi AL		1084	1576	1327	3987
<i>Triticale</i>					
RSI 202718		486	1733	2639	4858
Trical 2700		404	1556	2839	4799
RSI 202765		407	1788	2206	4400
Trical 336		674	1760	1706	4141
RSI 342		902	1532	1174	3608
Trical 308		578	1409	1476	3463
<b>Test Mean</b>		462	1456	1923	3841
<b>C.V.(%)</b>		15	7	7	6
<b>LSD(0.10)</b>		76	112	154	232

**TABLE 2. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER, BELLE MINA, ALABAMA, 2008-2009**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore		510	2357	789	3656
<i><b>Oat</b></i>					
LA 99016SBSB-98		314	2478	1869	4661
Florida 501		275	2073	1368	3716
<i><b>Rye</b></i>					
Wren's Abruzzi AL		1341	1910	1047	4298
<i><b>Triticale</b></i>					
Trical 2700		666	2561	1670	4897
Trical 336		731	2563	1040	4334
Trical 308		816	1765	1279	3860
RSI 342		1017	1834	809	3661
<b>Test Mean</b>		709	2193	1234	4135
<b>C.V.(%)</b>		17	19	30	8
<b>LSD(0.10)</b>		93	312	280	262

**TABLE 3. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER, BELLE MINA, ALABAMA, 2007-2009**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore	379	517	2495	678	4069
<i><b>Oat</b></i>					
Florida 501	518	334	2056	1060	3969
<i><b>Rye</b></i>					
Wren's Abruzzi AL	959	1000	1903	814	4676
<i><b>Triticale</b></i>					
Trical 2700	957	581	2492	1367	5397
Trical 336	602	678	2818	863	4961
RSI 342	721	858	1906	641	4126
<b>Test Mean</b>	689	661	2278	904	4533
<b>C.V.(%)</b>	14	36	16	36	10
<b>LSD(0.10)</b>	108	148	218	199	250

**TABLE 4. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore		2700	1066	220	3985
SS 8641		2418	1194	291	3903
<i><b>Oat</b></i>					
LA 9339 Plot Spike		909	1482	456	2847
LA 99016SBSB-98		224	1632	728	2584
LA 976-59-S1		360	1516	505	2382
Florida 501		502	1349	471	2323
LA 99153-45-S1		239	1609	461	2309
<i><b>Rye</b></i>					
Wren's Abruzzi AL		3865	1159	332	5356
<i><b>Triticale</b></i>					
RSI 202718		1123	2559	521	4203
Trical 336		1565	1864	523	3953
Trical 2700		1419	1876	528	3823
RSI 342		2685	854	194	3733
Trical 308		2363	954	374	3691
RSI 202765		1285	1986	421	3691
<b>Test Mean</b>		1547	1507	430	3484
<b>C.V.(%)</b>		23	6	17	11
<b>LSD(0.10)</b>		388	94	78	394

**TABLE 5. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2008-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i>Wheat</i>					
GA Gore		1414	1477	400	3292
<i>Oat</i>					
LA 99016SBSB-98		190	1741	942	2873
Florida 501		307	1431	725	2463
<i>Rye</i>					
Wren's Abruzzi AL		2360	1511	633	4504
<i>Triticale</i>					
Trical 336		880	2097	668	3644
Trical 336		880	2097	668	3644
Trical 2700		941	1923	587	3451
Trical 308		1671	1148	530	3348
RSI 342		1704	1283	332	3319
<b>Test Mean</b>		1183	1576	602	3362
<b>C.V.(%)</b>		52	12	21	15
<b>LSD(0.10)</b>		464	143	96	382

**TABLE 6. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2007-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i>Wheat</i>					
GA Gore		1109	1753	1532	4394
<i>Oat</i>					
Florida 501		446	1509	1578	3532
<i>Rye</i>					
Wren's Abruzzi AL		2024	2400	1586	6010
<i>Triticale</i>					
Trical 336		695	2373	1844	4912
RSI 342		1494	1379	1655	4528
Trical 2700		899	2018	1581	4498
<b>Test Mean</b>		1111	1905	1629	4646
<b>C.V.(%)</b>		51	56	23	22
<b>LSD(0.10)</b>		347	654	232	614



**TABLE 7. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore			1676	1997	3673
SS 8641			982	2402	3384
<i>Oat</i>					
LA 99016SBSB-98			1067	2940	4007
LA 9339 Plot Spike			1390	2301	3691
LA 976-59-S1			931	2698	3629
LA 99153-45-S1			545	2973	3518
Florida 501			1338	2110	3448
<i>Rye</i>					
Wren's Abruzzi AL			2270	1311	3581
<i>Triticale</i>					
Trical 308			3425	882	4306
RSI 342			2704	1158	3861
Trical 2700			1629	1904	3533
Trical 336			1091	2256	3347
RSI 202765			587	2564	3150
RSI 202718			708	2224	2932
<b>Test Mean</b>			1453	2123	3576
<b>C.V.(%)</b>			53	19	16
<b>LSD(0.10)</b>			830	423	598

**TABLE 8. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2008-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore			2622	1774	4397
<i><b>Oat</b></i>					
LA 99016SBSB-98			2089	3128	5218
Florida 501			2155	2144	4299
<i><b>Rye</b></i>					
Wren's Abruzzi AL			3677	1090	4766
<i><b>Triticale</b></i>					
RSI 342			4316	1395	5711
Trical 308			4156	1017	5173
Trical 336			2472	1937	4409
Trical 336			2472	1937	4409
Trical 2700			2780	1556	4336
<b>Test Mean</b>			3033	1755	4789
<b>C.V.(%)</b>			27	29	15
<b>LSD(0.10)</b>			616	385	603

**TABLE 9. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2007-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore			2003	2541	4544
<i><b>Oat</b></i>					
Florida 501			1670	2831	4502
<i><b>Rye</b></i>					
Wren's Abruzzi AL			2872	1653	4525
<i><b>Triticale</b></i>					
RSI 342			3321	1936	5257
Trical 2700			2147	2420	4567
Trical 336			1883	2646	4528
<b>Test Mean</b>			2316	2338	4654
<b>C.V.(%)</b>			32	19	16
<b>LSD(0.10)</b>			457	274	467

**TABLE 10. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
SS 8641		2521	2599	3040	8160
GA Gore		2206	2404	2999	7609
<i><b>Oat</b></i>					
LA 976-59-S1		2525	1023	5552	9100
LA 99153-45-S1		2279	1422	4697	8398
LA 9339 Plot Spike		2162	1315	4884	8362
LA 99016SBSB-98		1916	935	4248	7099
Florida 501		2477	430	4189	7096
<i><b>Rye</b></i>					
Wren's Abruzzi AL		2217	2003	3319	7538
<i><b>Triticale</b></i>					
RSI 202718		2934	2217	4534	9684
Trical 2700		3184	1569	4683	9437
RSI 202765		2428	2350	4483	9261
Trical 336		2637	2660	3275	8572
Trical 308		2957	533	3625	7116
RSI 342		3321	610	2585	6516
<b>Test Mean</b>		2555	1576	4008	8139
<b>C.V.(%)</b>		14	22	17	12
<b>LSD(0.10)</b>		378	379	730	1029

**TABLE 11. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2008-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i>Wheat</i>					
GA Gore		1409	3632	2999	8040
<i>Oat</i>					
LA 99016SBSB-98		1264	2583	4248	8095
Florida 501		1694	1781	4189	7665
<i>Rye</i>					
Wren's Abruzzi AL		2047	3238	3319	8603
<i>Triticale</i>					
Trical 2700		2351	3174	4683	10209
Trical 336		1835	3886	3275	8996
RSI 342		2390	2833	2585	7808
Trical 308		2125	1962	3625	7712
<b>Test Mean</b>		1889	2886	3616	8391
<b>C.V.(%)</b>		24	18	19	15
<b>LSD(0.10)</b>		336	386	750	729

**TABLE 12. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2007-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i>Wheat</i>					
GA Gore		1452	3581	2999	8032
<i>Oat</i>					
Florida 501		1708	2061	4189	7958
<i>Rye</i>					
Wren's Abruzzi AL		2465	3115	3319	8899
<i>Triticale</i>					
Trical 2700		2441	3138	4683	10262
Trical 336		1783	3892	3275	8950
RSI 342		2542	2657	2585	7783
<b>Test Mean</b>		2065	3074	3508	8647
<b>C.V.(%)</b>		25	17	18	14
<b>LSD(0.10)</b>		323	330	723	561

**TABLE 13. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE E.V. SMITH RESEARCH CENTER, PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	1026	2429	1995		5450
SS 8641	1150	1776	1471		4398
<i><b>Oat</b></i>					
LA 9339 Plot Spike	1543	1549	2151		5243
LA 976-59-S1	1134	1436	1030		3600
LA 99153-45-S1	875	1611	982		3468
LA 99016SBSB-98	967	1460	1475		3902
Florida 501	1206	1323			2529
<i><b>Rye</b></i>					
Wren's Abruzzi AL	1438	1869	1648		4954
<i><b>Triticale</b></i>					
Trical 2700	1233	1779	1656		4668
RSI 202718	897	2099	1626		4622
Trical 336	925	1854	1580		4358
RSI 202765	947	1645	1512		4104
RSI 342	1314	1682	877		3873
Trical 308	1420	1599	643		3662
<b>Test Mean</b>	1148	1722	1434		4305
<b>C.V.(%)</b>	18	17	25		13
<b>LSD(0.10)</b>	218	320	423		596

**TABLE 14. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE E.V. SMITH RESEARCH CENTER, PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 2008-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	687	1974	2210		4871
<i><b>Oat</b></i>					
LA 99016SBSB-98	672	1616	2989		5277
Florida 501	816	1463	2364		4642
<i><b>Rye</b></i>					
Wren's Abruzzi AL	1307	2304	1802		5414
<i><b>Triticale</b></i>					
Trical 2700	959	2114	2100		5173
Trical 336	617	1785	2346		4747
RSI 342	945	2117	1380		4442
Trical 308	1157	1961	1240		4358
<b>Test Mean</b>	895	1917	2054		4866
<b>C.V.(%)</b>	20	28	27		20
<b>LSD(0.10)</b>	136	399	467		715

**TABLE 15. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE E.V. SMITH RESEARCH CENTER, PLANT BREEDING UNIT, TALLASSEE, 2007-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	542	1862	2485	549	5438
<i><b>Oat</b></i>					
Florida 501	640	1546	2252	475	4913
<i><b>Rye</b></i>					
Wren's Abruzzi AL	1361	2380	1964	459	6164
<i><b>Triticale</b></i>					
Trical 2700	980	2091	2429	423	5923
Trical 336	501	1793	2543	588	5426
RSI 342	866	2095	1599	221	4781
<b>Test Mean</b>	815	1961	2212	452	5441
<b>C.V.(%)</b>	26	22	17	32	13
<b>LSD(0.10)</b>	128	270	248	161	417

**TABLE 16. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BREWTON EXPERIMENT FIELD, BREWTON, ALABAMA, 2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	391	2056	3219		5665
<i>Oat</i>					
LA 99016SBSB-98	740	2066	2762		5567
LA 99153-45-S1	445	1777	2811		5033
LA 9339 Plot Spike	573	1830	2583		4987
LA 976-59-S1	659	1735	2224		4618
Florida 501	732	1735	2123		4591
<i>Rye</i>					
Wren's Abruzzi AL	840	2010	2431		5282
<i>Triticale</i>					
Trical 2700	862	2133	2702		5696
Trical 336	729	1604	3279		5612
RSI 202718	623	1892	2922		5438
RSI 202765	701	1611	2957		5270
Trical 308	949	1887	2095		4931
RSI 342	691	2197	1990		4878
<b>Test Mean</b>	687	1887	2623		5198
<b>C.V.(%)</b>	15	11	8		5
<b>LSD(0.10)</b>	113	219	223		265

**TABLE 17. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BREWTON EXPERIMENT FIELD, BREWTON, ALABAMA, 2008-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore	570	1631	2117		4318
<i><b>Oat</b></i>					
LA 99016SBSB-98	763	2008	2032		4803
Florida 501	844	1801	1598		4242
<i><b>Rye</b></i>					
Wren's Abruzzi AL	935	2154	1938		5028
<i><b>Triticale</b></i>					
Trical 2700	889	1995	1850		4734
Trical 336	639	1531	2446		4616
RSI 342	818	2146	1546		4510
Trical 308	981	1985	1440		4406
<b>Test Mean</b>	805	1906	1871		4582
<b>C.V.(%)</b>	17	13	17		11
<b>LSD(0.10)</b>	102	184	234		373

**TABLE 18. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BREWTON EXPERIMENT FIELD, BREWTON, ALABAMA, 2007-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore	582	1679	2061		4323
<i><b>Oat</b></i>					
Florida 501	879	1890	1420		4189
<i><b>Rye</b></i>					
Wren's Abruzzi AL	1114	2132	1727		4973
<i><b>Triticale</b></i>					
Trical 2700	1111	2050	1680		4841
Trical 336	654	1548	2363		4565
RSI 342	923	2186	1375		4483
<b>Test Mean</b>	877	1914	1771		4562
<b>C.V.(%)</b>	23	13	17		11
<b>LSD(0.10)</b>	121	151	182		298



**TABLE 19. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, ALABAMA, 2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore		3786	1518	1955	7259
<i>Oat</i>					
LA 99016SBSB-98		6724	1746	1845	10316
LA 9339 Plot Spike		6652	1684	1880	10217
LA 976-59-S1		5625	1856	1905	9385
LA 99153-45-S1		5585	2098	1555	9237
Florida 501		6232	1661	1249	9143
<i>Rye</i>					
Wren's Abruzzi AL		6935	2289	746	9970
<i>Triticale</i>					
RSI 342		8070	1542	578	10190
Trical 2700		6406	2589	716	9712
Trical 308		6509	1368	611	8487
Trical 336		4283	2184	1254	7721
RSI 202765		3565	905	1142	5612
RSI 202718		2484	1263	760	4506
<b>Test Mean</b>		5604	1746	1246	8596
<b>C.V.(%)</b>		13	19	35	12
<b>LSD(0.10)</b>		787	366	468	1117

**TABLE 20. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, 2008-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore	834	2927	1745	1955	7462
<i><b>Oat</b></i>					
LA 99016SBSB-98	2320	4992	2243	1845	11400
Florida 501	2887	4435	2025	1249	10597
<i><b>Rye</b></i>					
Wren's Abruzzi AL	3223	5417	3438	746	12824
<i><b>Triticale</b></i>					
Trical 2700	1927	4573	2787	716	10003
RSI 342	1275	5797	1414	578	9064
Trical 308	2191	4759	1692	611	9254
Trical 336	574	2932	2669	1254	7429
<b>Test Mean</b>	1904	4479	2252	1119	9754
<b>C.V.(%)</b>	18	15	24	31	15
<b>LSD(0.10)</b>	369	497	405	375	907

**TABLE 21. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, 2007-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore	834	2482	2070	1955	7341
<i><b>Oat</b></i>					
Florida 501	2887	3822	1916	1249	9874
<i><b>Rye</b></i>					
Wren's Abruzzi AL	3223	4944	3029	746	11942
<i><b>Triticale</b></i>					
Trical 2700	1927	4072	2711	716	9426
RSI 342	1275	4811	1447	578	8111
Trical 336	574	2638	2922	1254	7388
<b>Test Mean</b>	1787	3795	2349	1083	9014
<b>C.V.(%)</b>	16	18	27	30	18
<b>LSD(0.10)</b>	327	420	392	364	780

**TABLE 22. SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	499	6607	716		7822
<i>Oat</i>					
LA 976-59-S1	1878	13504	4660		20041
LA 99153-45-S1	2362	11861	4744		18967
LA 9339 Plot Spike	2522	10972	4849		18343
LA 99016SBSB-98	1683	11761	4399		17843
Florida 501	2020	11226	522		13768
<i>Rye</i>					
Wren's Abruzzi AL	2834	7550	5061		15446
<i>Triticale</i>					
RSI 342	2223	12660	533		15416
Trical 336	1290	10055	3983		15327
Trical 2700	2186	8630	4352		15169
RSI 202765	1040	9919	1137		12095
Trical 308	2269	7805	949		11022
RSI 202718	858	8331	1202		10390
<b>Test Mean</b>	1820	10068	2854		14742
<b>C.V.(%)</b>	36	7	13		7
<b>LSD(0.10)</b>	706	708	388		1099

**TABLE 23. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 2008-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore	946	4170	1433		6549
<i><b>Oat</b></i>					
LA 99016SBSB-98	1759	6726	3903		12387
Florida 501	1971	6317	1767		10054
<i><b>Rye</b></i>					
Wren's Abruzzi AL	2250	4717	3885		10852
<i><b>Triticale</b></i>					
Trical 2700	2301	5195	3810		11305
RSI 342	2321	7139	1595		11055
Trical 336	1639	6076	3316		11031
Trical 308	2183	4582	1650		8416
<b>Test Mean</b>	1921	5615	2670		10206
<b>C.V.(%)</b>	30	23	39		15
<b>LSD(0.10)</b>	432	982	793		1190

**TABLE 24. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OAT, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 2007-2009.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<i><b>Wheat</b></i>					
GA Gore	801	3231	1402		5434
<i><b>Oat</b></i>					
Florida 501	1675	4833	1505		8012
<i><b>Rye</b></i>					
Wren's Abruzzi AL	1897	3681	2867		8444
<i><b>Triticale</b></i>					
Trical 2700	1886	3931	2754		8571
Trical 336	1303	4603	2618		8524
RSI 342	1883	5309	1263		8454
<b>Test Mean</b>	1574	4265	2068		7907
<b>C.V.(%)</b>	36	28	54		19
<b>LSD(0.10)</b>	346	730	691		934

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**SEED SOURCES**
**Wheat**

GA Gore Alabama Crop Improvement Assn., Auburn, Alabama

SS-8641 Southern States Coop., Richmond, Virginia

**Rye**

Wren's Abruzzi Alabama Crop Improvement Assn., Auburn, Alabama

**Triticale**

Trical308, Trical 336, Resource Seeds, Inc., Union, Kentucky  
 Trical 342, Trical 2700  
 RSI 202718\*, RSI 202765\*

**Oat**

Fla. 501 Alabama Crop Improvement Assn., Auburn, Alabama

LA 99153-45-S1\*, LA 976-59-S1\* Louisiana State University Baton Rouge, Louisiana  
 LA 99016\*, LA9339 Plot Spike\*

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\* Experimental line; not yet commercially available.

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