

*Performance  
of Small Grain  
Varieties for  
Forage in  
Alabama,  
2007-08*

*Agronomy and Soils Departmental Series No. 293  
Alabama Agricultural Experiment Station  
Richard Guthrie, Acting Director  
Auburn University, Auburn, Alabama,  
July 2008*

*Printed in cooperation with the Alabama Cooperative Extension System  
(Alabama A&M University and Auburn University)*

## ACKNOWLEDGMENTS

Appreciation is 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, Supt.

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

### Central Alabama

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

Prattville Experiment Field, Prattville.....D.P. Moore, Supt.

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

### Southern Alabama

Brewton Experiment Field, Brewton.....J.R. Akridge, Supt.

Gulf Coast Research and Extension Center, Fairhope.....N.R. McDaniel, Supt.  
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Wiregrass Research and Extension Center, Headland.....L.W. Wells, Supt.  
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# THE 2008 ALABAMA PERFORMANCE COMPARISON OF SMALL GRAIN VARIETIES FOR FORAGE

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## INTRODUCTION

The large number of commercially available varieties of wheat, oats, rye, barley, and triticale makes it difficult for growers to select varieties most suited for forage production in their particular area of the State 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.

**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, 2008**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
AR 97044-10-2	.	483	3289	295	4068
GA Gore	.	527	3111	321	3959
SS MPV 57	.	440	2904	396	3740
<i>Oat</i>					
LA 99016SBSB-98	.	434	3681	1150	5264
FL 99201-D29-E1	.	455	3248	866	4569
SS 76-40	.	503	3068	776	4347
Florida 501	.	432	3057	843	4332
FL 99212-D6	.	215	2436	1508	4159
LA 99011-45-S2	.	218	2130	1054	3403
<i>Rye</i>					
Maton	.	971	4181	556	5707
AFC 20-20	.	955	3974	550	5479
Bates	.	1349	3201	613	5163
Maton II	.	1647	2693	619	4959
Bates RSA	.	1605	2663	499	4767
Wren's Abruzzi AL	.	1599	2244	766	4608
<i>Triticale</i>					
Trical 2700	.	929	3567	501	4996
Trical 336	.	787	3366	374	4527
Trical 308	.	1054	2121	1082	4256
RSI 342	.	1132	2136	445	3713
<i>Test Mean</i>	.	828	3004	695	4527
<i>C.V. (%)</i>	.	11	8	21	6
<i>LSD(0.10)</i>	.	126	265	158	401

**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, 2007-2008**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<b><i>Wheat</i></b>					
AR 97044-10-2	.	514	3215	285	4014
GA Gore	.	530	2941	389	3860
SS MPV 57	.	445	2964	334	3743
<b><i>Oat</i></b>					
SS 76-40	.	503	2708	753	3964
Florida 501	.	443	2539	643	3625
<b><i>Rye</i></b>					
Maton	.	736	3781	464	4981
AFC 20-20	.	735	3618	450	4803
Bates	.	921	3036	491	4448
Maton II	.	1057	2688	505	4250
Bates RSA	.	1040	2680	430	4151
Wren's Abruzzi AL	.	959	2067	557	3582
<b><i>Triticale</i></b>					
Trical 336	.	680	3346	441	4467
Trical 2700	.	670	2960	631	4260
RSI 342	.	836	2093	375	3304
<b><i>Test Mean</i></b>	.	719	2903	482	4104
<b><i>C.V. (%)</i></b>	.	11	5	22	5
<b><i>LSD(0.10)</i></b>	.	75	166	80	228

**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, 2006-2008**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	379	530	2581	608	4097
SS MPV 57	279	445	2632	590	3946
<i>Oat</i>					
SS 76-40	431	503	2380	821	4134
Florida 501	519	443	2244	827	4032
<i>Rye</i>					
Maton	981	736	3165	694	5576
Wren's Abruzzi AL	959	959	2112	649	4678
<i>Triticale</i>					
Trical 336	602	680	2950	708	4940
Trical 2700	957	670	2451	906	4985
RSI 342	721	836	2026	550	4132
<i>Test Mean</i>	648	645	2505	706	4502
<i>C.V. (%)</i>	16	13	7	18	6
<i>LSD(0.10)</i>	102	78	161	78	214

**TABLE 4. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
AR 97044-10-2	.	79	2112	530	2721
GA Gore	.	129	1889	581	2599
SS MPV 57	.	53	1541	695	2289
<i>Oat</i>					
LA 99016SBSB-98	.	156	1851	1156	3163
SS 76-40	.	243	1751	881	2874
Florida 501	.	112	1513	978	2603
FL 99201-D29-E1	.	55	1415	971	2441
FL 99212-D6	.	0	1262	889	2151
LA 99011-45-S2	.	138	1030	564	1732
<i>Rye</i>					
AFC 20-20	.	231	2730	1250	4211
Bates RSA	.	905	2091	660	3656
Wren's Abruzzi AL	.	854	1864	934	3652
Maton II	.	694	2170	761	3624
Maton	.	169	2234	1171	3573
Bates	.	488	2326	658	3472
<i>Triticale</i>					
Trical 336	.	194	2330	813	3336
Trical 2700	.	464	1970	646	3080
Trical 308	.	978	1341	686	3005
RSI 342	.	723	1712	469	2905
<i>Test Mean</i>	.	351	1849	805	3005
<i>C.V. (%)</i>	.	25	9	18	6
<i>LSD(0.10)</i>	.	101	175	185	325



**TABLE 5. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2007-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
AR 97044-10-2	.	256	2376	2139	4771
GA Gore	.	314	2097	2188	4599
SS MPV 57	.	244	1857	1871	3972
<i>Oat</i>					
SS 76-40	.	409	2027	2300	4736
Florida 501	.	417	1589	2131	4137
<i>Rye</i>					
AFC 20-20	.	534	3254	2970	6758
Maton	.	488	2903	3227	6618
Wren's Abruzzi AL	.	1103	3021	2213	6336
Bates RSA	.	1111	2388	2511	6009
Bates	.	725	2701	2388	5814
Maton II	.	933	2495	2132	5560
<i>Triticale</i>					
Trical 336	.	259	2628	2505	5392
RSI 342	.	899	1641	2385	4925
Trical 2700	.	639	2089	2108	4836
<i>Test Mean</i>	.	595	2362	2362	5319
<i>C.V. (%)</i>	.	31	37	18	19
<i>LSD(0.10)</i>	.	167	656	326	702

**TABLE 6. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE SAND MOUNTAIN RESEARCH AND EXTENSION CENTER, CROSSVILLE, ALABAMA, 2006-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
----- lbs/acre -----					
<b><i>Wheat</i></b>					
GA Gore	.	209	2287	1843	4339
SS MPV 57	.	163	2143	1619	3925
<b><i>Oat</i></b>					
SS 76-40	.	273	2261	2005	4539
Florida 501	.	278	1954	1812	4044
<b><i>Rye</i></b>					
Maton	.	325	4012	2498	6835
Wren's Abruzzi AL	.	1118	3007	1883	6007
<b><i>Triticale</i></b>					
Trical 336	.	173	2828	2050	5051
Trical 2700	.	426	2625	1805	4857
RSI 342	.	909	1988	1865	4761
<b><i>Test Mean</i></b>	.	430	2567	1931	4929
<b><i>C.V. (%)</i></b>	.	37	39	20	19
<b><i>LSD(0.10)</i></b>	.	126	600	199	590

**TABLE 7. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	.	3569	1551	5121
<i>Oat</i>					
FL 99212-D6	.	.	2693	4106	6799
LA 99016SBSB-98	.	.	3111	3317	6429
FL 99201-D29-E1	.	.	3200	2937	6137
Florida 501	.	.	2971	2179	5150
LA 99011-45-S2	.	.	2194	2719	4913
<i>Rye</i>					
Wren's Abruzzi AL	.	.	5083	869	5952
Maton II	.	.	5022	929	5951
Bates RSA	.	.	5002	767	5769
Bates	.	.	3957	1281	5238
Maton	.	.	3447	1372	4819
AFC 20-20	.	.	3552	1196	4748
<i>Triticale</i>					
RSI 342	.	.	5928	1632	7560
Trical 308	.	.	4888	1152	6039
Trical 336	.	.	3853	1618	5471
Trical 2700	.	.	3932	1208	5139
<i>Test Mean</i>	.	.	3900	1802	5702
<i>C.V. (%)</i>	.	.	12	27	10
<i>LSD(0.10)</i>	.	.	543	586	1000

**TABLE 8. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2007-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	.	2167	2813	4980
<i>Oat</i>					
Florida 501	.	.	1836	3192	5029
<i>Rye</i>					
Maton II	.	.	3092	2101	5193
Bates RSA	.	.	3072	1969	5041
Wren's Abruzzi AL	.	.	3173	1825	4997
Bates	.	.	2395	2411	4806
Maton	.	.	2119	2468	4587
AFC 20-20	.	.	2105	2386	4491
<i>Triticale</i>					
RSI 342	.	.	3630	2325	5955
Trical 336	.	.	2278	2841	5119
Trical 2700	.	.	2406	2678	5084
<i>Test Mean</i>	.	.	2570	2455	5025
<i>C.V. (%)</i>	.	.	12	9	8
<i>LSD(0.10)</i>	.	.	270	300	438

**TABLE 9. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BLACK BELT RESEARCH AND EXTENSION CENTER, MARION JUNCTION, ALABAMA, 2006-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	.	2103	2813	4916
<i>Oat</i>					
Florida 501	.	.	2028	3192	5220
<i>Rye</i>					
Wren's Abruzzi AL	.	.	2845	1825	4670
Maton	.	.	2199	2468	4666
<i>Triticale</i>					
RSI 342	.	.	3062	2325	5387
Trical 336	.	.	2361	2841	5202
Trical 2700	.	.	2354	2678	5032
<i>Test Mean</i>	.	.	2422	2592	5013
<i>C.V. (%)</i>	.	.	15	9	10
<i>LSD(0.10)</i>	.	.	238	312	327

**TABLE 10. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	612	4861	.	5472
<i>Oat</i>					
LA 99016SBSB-98	.	612	4231	.	4842
FL 99201-D29-E1	.	832	3719	.	4551
FL 99212-D6	.	584	3802	.	4386
Florida 501	.	912	3132	.	4044
LA 99011-45-S2	.	966	2234	.	3200
<i>Rye</i>					
Bates RSA	.	1949	4649	.	6598
Maton II	.	1936	4453	.	6389
Wren's Abruzzi AL	.	1877	4473	.	6350
Bates	.	1723	4512	.	6235
Maton	.	1259	4956	.	6215
AFC 20-20	.	1515	4497	.	6011
<i>Triticale</i>					
RSI 342	.	1460	5056	.	6516
Trical 2700	.	1518	4780	.	6298
Trical 336	.	1032	5112	.	6144
Trical 308	.	1293	3390	.	4683
<i>Test Mean</i>	.	1255	4241	.	5496
<i>C.V. (%)</i>	.	31	10	.	11
<i>LSD(0.10)</i>	.	458	444	.	725

**TABLE 11. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2007-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	1075	4169	.	5244
<i>Oat</i>					
Florida 501	.	1324	2876	.	4200
<i>Rye</i>					
Bates RSA	.	2645	4116	.	6761
Maton II	.	2427	3983	.	6411
Wren's Abruzzi AL	.	2589	3671	.	6260
Maton	.	1740	4489	.	6229
AFC 20-20	.	2123	4038	.	6161
Bates	.	2165	3841	.	6006
<i>Triticale</i>					
Trical 2700	.	2070	3922	.	5992
Trical 336	.	1355	4509	.	5864
RSI 342	.	2152	3681	.	5833
<i>Test Mean</i>	.	1970	3936	.	5905
<i>C.V. (%)</i>	.	22	11	.	11
<i>LSD(0.10)</i>	.	361	290	.	483

**TABLE 12. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2006-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<b><i>Wheat</i></b>					
GA Gore	.	903	3878	.	4781
<b><i>Oat</i></b>					
Florida 501	.	1113	2867	.	3979
<b><i>Rye</i></b>					
Maton	.	1502	4192	.	5694
Wren's Abruzzi AL	.	2137	3293	.	5430
<b><i>Triticale</i></b>					
Trical 2700	.	1650	3793	.	5443
Trical 336	.	1086	4343	.	5429
RSI 342	.	1720	3474	.	5194
<b><i>Test Mean</i></b>	.	1444	3692	.	5136
<b><i>C.V. (%)</i></b>	.	25	12	.	11
<b><i>LSD(0.10)</i></b>	.	256	254	.	367



**TABLE 13. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE E.V. SMITH RESEARCH CENTER, PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	349	1519	2424	.	4292
<i><b>Oat</b></i>					
LA 99016SBSB-98	378	1771	4090	.	6239
FL 99201-D29-E1	356	1293	3588	.	5236
Florida 501	426	1603	2821	.	4850
LA 99011-45-S2	658	1309	2167	.	4134
FL 99212-D6	199	1180	2736	.	4114
<i><b>Rye</b></i>					
AFC 20-20	1304	2452	3947	.	7703
Maton	1012	2038	4305	.	7356
Maton II	1687	2618	2393	.	6698
Bates RSA	1472	2689	2260	.	6421
Bates	853	2132	3119	.	6103
Wren's Abruzzi AL	1177	2740	1957	.	5873
<i><b>Triticale</b></i>					
Trical 2700	685	2449	2544	.	5678
Trical 336	309	1716	3112	.	5137
Trical 308	894	2323	1742	.	4959
RSI 342	576	2553	1807	.	4935
<i><b>Test Mean</b></i>	771	2024	2813	.	5608
<i><b>C.V. (%)</b></i>	36	26	13	.	14
<i><b>LSD(0.10)</b></i>	350	901	512	.	1598

**TABLE 14. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE E.V. SMITH RESEARCH CENTER, PLANT BREEDING UNIT, TALLASSEE, ALABAMA, 2007-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<b><i>Wheat</i></b>					
GA Gore	300	1578	2730	549	5157
<b><i>Oat</i></b>					
Florida 501	356	1658	2538	475	5028
<b><i>Rye</i></b>					
AFC 20-20	1191	2417	4049	685	8343
Maton	1103	2131	4091	514	7839
Maton II	1703	2684	2782	466	7635
Bates RSA	1691	2580	2540	523	7334
Bates	1036	2298	3353	719	7406
Wren's Abruzzi AL	1322	2636	2123	459	6540
<b><i>Triticale</i></b>					
Trical 2700	854	2247	2816	423	6339
Trical 336	289	1763	3024	588	5665
RSI 342	641	2302	1925	221	5089
<b><i>Test Mean</i></b>	953	2209	2907	511	6324
<b><i>C.V. (%)</i></b>	23	13	9	28	9
<b><i>LSD(0.10)</i></b>	211	515	262	157	754

**TABLE 15. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE E.V. SMITH RESEARCH CENTER, PLANT BREEDING UNIT, TALLASSEE, 2006-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	350	1452	2517	549	4868
<i><b>Oat</b></i>					
Florida 501	415	1444	2168	475	4502
<i><b>Rye</b></i>					
Maton	1015	1771	4011	514	7311
Wren's Abruzzi AL	1256	2449	2068	459	6231
<i><b>Triticale</b></i>					
Trical 2700	701	1827	2782	423	5733
Trical 336	233	1400	2903	588	5124
RSI 342	619	2083	1824	221	4747
<i><b>Test Mean</b></i>	655	1775	2610	461	5502
<i><b>C.V. (%)</b></i>	23	16	14	24	9
<i><b>LSD(0.10)</b></i>	111	343	218	174	520

**TABLE 16. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BREWTON EXPERIMENT FIELD, BREWTON, ALABAMA, 2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<b><i>Wheat</i></b>					
GA Gore	749	1207	1014	.	2970
<b><i>Oat</i></b>					
LA 99016SBSB-98	785	1951	1303	.	4039
FL 99201-D29-E1	816	1950	1213	.	3979
FL 99212-D6	876	2048	972	.	3896
Florida 501	955	1867	1073	.	3894
LA 99011-45-S2	861	1565	748	.	3173
<b><i>Rye</i></b>					
Maton II	1149	2373	1636	.	5157
Bates RSA	1162	2089	1687	.	4938
Bates	1049	1911	1960	.	4920
AFC 20-20	856	1756	2200	.	4812
Wren's Abruzzi AL	1030	2298	1445	.	4774
Maton	809	1536	2150	.	4495
<b><i>Triticale</i></b>					
RSI 342	945	2095	1102	.	4142
Trical 308	1013	2082	785	.	3880
Trical 2700	915	1858	998	.	3771
Trical 336	550	1458	1613	.	3621
<b><i>Test Mean</i></b>	908	1878	1369	.	4154
<b><i>C.V. (%)</i></b>	11	8	14	.	6
<b><i>LSD(0.10)</i></b>	130	155	226	.	352

**TABLE 17. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BREWTON EXPERIMENT FIELD, BREWTON, ALABAMA, 2007-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	678	1490	1483	.	3651
<i><b>Oat</b></i>					
FL 99201-D29-E1	962	2103	1151	.	4216
Florida 501	952	1968	1068	.	3988
FL 99212-D6	977	2053	890	.	3920
<i><b>Rye</b></i>					
AFC 20-20	1187	1836	2412	.	5435
Bates RSA	1444	2083	1660	.	5186
Maton II	1472	2031	1623	.	5126
Bates	1259	1845	1938	.	5042
Maton	1136	1617	2270	.	5023
Wren's Abruzzi AL	1251	2193	1375	.	4819
<i><b>Triticale</b></i>					
Trical 2700	1236	2008	1169	.	4413
RSI 342	1039	2180	1067	.	4286
Trical 336	617	1521	1905	.	4042
<i><b>Test Mean</b></i>	1093	1918	1539	.	4550
<i><b>C.V. (%)</b></i>	11	11	11	.	7
<i><b>LSD(0.10)</b></i>	113	150	126	.	242

**TABLE 18. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BREWTON EXPERIMENT FIELD, BREWTON, ALABAMA, 2006-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	678	1836	1702	.	4217
<i>Oat</i>					
Florida 501	952	2043	1219	.	4213
<i>Rye</i>					
Maton	1136	2970	2278	.	6384
Wren's Abruzzi AL	1251	2651	1338	.	5240
<i>Triticale</i>					
Trical 2700	1236	2293	1301	.	4829
Trical 336	617	1883	2048	.	4548
RSI 342	1039	2498	1076	.	4613
<i>Test Mean</i>	987	2311	1566	.	4863
<i>C.V. (%)</i>	14	43	13	.	21
<i>LSD(0.10)</i>	132	615	117	.	620

**TABLE 19. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, ALABAMA, 2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	834	2068	1973	.	4875
<i><b>Oat</b></i>					
FL 99201-D29-E1	2444	3602	3099	.	9145
LA 99016SBSB-98	2320	3259	2739	.	8319
Florida 501	2887	2638	2389	.	7914
Harrison	1807	3331	2500	.	7637
FL 99212-D6	2410	2336	2734	.	7480
LA 99011-45-S2	2761	2232	2293	.	7286
<i><b>Rye</b></i>					
Bates RSA	4633	4170	5412	.	14215
Maton II	4258	4008	4999	.	13264
Maton	4009	2961	4797	.	11767
Wren's Abruzzi AL	3223	3899	4588	.	11710
AFC 20-20	3770	3221	4489	.	11480
Bates	3384	3612	4414	.	11409
<i><b>Triticale</b></i>					
Trical 2700	1927	2739	2986	.	7652
Trical 308	2191	3010	2017	.	7218
RSI 342	1275	3524	1286	.	6085
Trical 336	574	1580	3155	.	5309
<i><b>Test Mean</b></i>	2630	3070	3286	.	8986
<i><b>C.V. (%)</b></i>	15	13	16	.	9
<i><b>LSD(0.10)</b></i>	454	412	580	.	1270

**TABLE 20. TWO-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, 2007-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<b><i>Wheat</i></b>					
GA Gore	834	1831	2346	.	5011
<b><i>Oat</i></b>					
FL 99201-D29-E1	2444	3067	2473	.	7984
FL 99212-D6	2410	2564	2180	.	7154
Florida 501	2887	2616	2044	.	7547
<b><i>Rye</i></b>					
Bates RSA	4633	4033	4664	.	13330
Maton II	4258	3868	4561	.	12687
Bates	3384	3370	4648	.	11402
Maton	4009	2600	4686	.	11295
Wren's Abruzzi AL	3223	3949	3399	.	10571
AFC 20-20	3770	2868	3423	.	10061
<b><i>Triticale</i></b>					
Trical 2700	1927	2905	2772	.	7604
Trical 336	574	1816	3291	.	5681
RSI 342	1275	3182	1399	.	5856
<b><i>Test Mean</i></b>	2741	2975	3222	.	8937
<b><i>C.V. (%)</i></b>	16	12	20	.	11
<b><i>LSD(0.10)</i></b>	474	297	493	.	752



**TABLE 21. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE WIREGRASS RESEARCH AND EXTENSION CENTER, HEADLAND, 2006-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i><b>Wheat</b></i>					
GA Gore	834	2672	2061	.	5567
<i><b>Oat</b></i>					
Florida 501	2887	3283	1795	.	7965
<i><b>Rye</b></i>					
Maton	4009	3017	4262	.	11287
Wren's Abruzzi AL	3223	4507	2925	.	10655
<i><b>Triticale</b></i>					
Trical 2700	1927	3807	2445	.	8179
Trical 336	574	2163	2787	.	5523
RSI 342	1275	3483	1523	.	6280
<i><b>Test Mean</b></i>	2104	3276	2542	.	7922
<i><b>C.V. (%)</b></i>	23	10	14	.	10
<i><b>LSD(0.10)</b></i>	502	264	220	.	467

**TABLE 22. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<b><i>Wheat</i></b>					
GA Gore	1394	1733	2149	.	5275
<b><i>Oat</i></b>					
FL 99201-D29-E1	1987	1751	3439	.	7176
FL 99212-D6	1742	1810	3577	.	7128
LA 99016SBSB-98	1834	1690	3408	.	6931
Florida 501	1921	1407	3012	.	6341
LA 99011-45-S2	1630	1225	2620	.	5474
<b><i>Rye</i></b>					
Bates	2167	2096	2838	.	7101
Maton	1972	2039	3089	.	7100
AFC 20-20	1920	2111	2973	.	7004
Maton II	2198	2055	2352	.	6605
Bates RSA	1849	2021	2585	.	6456
Wren's Abruzzi AL	1665	1883	2709	.	6258
<b><i>Triticale</i></b>					
Trical 2700	2415	1759	3268	.	7442
Trical 336	1989	2098	2649	.	6736
RSI 342	2420	1618	2657	.	6695
Trical 308	2098	1361	2351	.	5809
<b><i>Test Mean</i></b>	1950	1791	2855	.	6596
<b><i>C.V. (%)</i></b>	14	11	9	.	6
<b><i>LSD(0.10)</i></b>	424	216	524	.	973

**TABLE 23. 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, 2007-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<b><i>Wheat</i></b>					
GA Gore	952	1544	1745	.	4240
<b><i>Oat</i></b>					
FL 99201-D29-E1	1639	1746	2297	.	5682
FL 99212-D6	1481	1712	2253	.	5446
Florida 501	1503	1636	1996	.	5135
<b><i>Rye</i></b>					
Bates	1651	1799	2204	.	5654
AFC 20-20	1454	1677	2355	.	5486
Maton	1440	1589	2433	.	5461
Maton II	1811	1748	1771	.	5330
Bates RSA	1728	1768	1740	.	5237
Wren's Abruzzi AL	1428	1746	1769	.	4943
<b><i>Triticale</i></b>					
Trical 2700	1735	1582	1955	.	5273
Trical 336	1310	1877	1935	.	5122
RSI 342	1713	1634	1628	.	4974
<b><i>Test Mean</i></b>	1527	1697	2006	.	5229
<b><i>C.V. (%)</i></b>	14	8	13	.	7
<b><i>LSD(0.10)</i></b>	215	148	284	.	470

**TABLE 24. THREE-YEAR AVERAGE SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE GULF COAST RESEARCH AND EXTENSION CENTER, FAIRHOPE, ALABAMA, 2006-2008.**

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<b><i>Wheat</i></b>					
GA Gore	952	1864	2027	.	4842
<b><i>Oat</i></b>					
Florida 501	1503	1894	2163	.	5560
<b><i>Rye</i></b>					
Maton	1440	1962	2727	.	6128
Wren's Abruzzi AL	1428	2040	1888	.	5357
<b><i>Triticale</i></b>					
Trical 336	1310	2105	2136	.	5551
Trical 2700	1735	1916	2008	.	5659
RSI 342	1713	2048	1674	.	5435
<b><i>Test Mean</i></b>	1440	1976	2089	.	5505
<b><i>C.V. (%)</i></b>	16	8	13	.	8
<b><i>LSD(0.10)</i></b>	195	126	231	.	349

## SEED SOURCES

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### Wheat

GA Gore	Alabama Crop Improvement Assn., Auburn, Alabama
SS-MPV-57	Southern States Coop., Richmond, Virginia
A 97044-10-2*	University of Arkansas, Fayetteville, Arkansas

### Rye

Wren's Abruzzi	Alabama Crop Improvement Assn., Auburn, Alabama
AFC 20-20	Agri-AFC Headland, Headland, Alabama
Bates, Maton, Bates RSA, Maton II	Noble Foundation, Ardmore, Oklahoma

### Triticale

Trical 308, Trical 336, Trical 342, Trical 2700	Resource Seeds, Inc., Union, Kentucky
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### Oat

Fla. 501	Alabama Crop Improvement Assn., Auburn, Alabama
LA 99011-45-S2*, LA 99016SBSB-98*	Louisiana State University, Baton Rouge, Louisiana
SS 76-40	Southern States Coop., Richmond, Virginia
FL 99212-D6*, FL 99201-D29-E1*	University of Florida, Quincy, Florida

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\* Experimental line; not yet commercially available.