

*Performance
of Small Grain
Varieties for
Forage in
Alabama,
2006-07*

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THE 2007 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, 2007

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
AR 97044-10-2	554	544	3141	275	4515
GA Gore	379	532	2772	457	4139
SS MPV 57	279	450	3024	272	4025
<i>Oat</i>					
SS 76-40	431	503	2347	731	4012
TX 02U7682	453	356	1943	959	3710
TX 02U7473	408	362	1940	813	3523
Florida 501	519	453	2022	443	3436
<i>Rye</i>					
Maton	981	502	3380	372	5235
AFC 20-20	1100	516	3261	350	5226
Bates RSA	1323	476	2698	362	4858
Maton II	1298	467	2683	391	4838
Bates	978	493	2871	369	4711
Wren's Abruzzi AL	959	319	1890	348	3515
<i>Triticale</i>					
Trical 336	602	573	3326	509	5010
Trical 2700	957	411	2353	761	4482
RSI 342	721	540	2050	305	3615
<i>Test Mean</i>	746	469	2606	482	4303
<i>C.V. (%)</i>	17	12	5	16	4
<i>LSD(0.10)</i>	132	59	152	99	215

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, 2006-2007

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
SS MPV 57	279	450	2496	688	3913
GA Gore	379	532	2316	751	3978
<i>Oats</i>					
SS 76-40	431	503	2035	844	3813
Florida 501	519	453	1838	819	3628
<i>Rye</i>					
Maton	981	502	2658	763	4903
Wren's Abruzzi AL	959	319	2046	590	3913
<i>Triticale</i>					
Trical 336	602	573	2742	876	4793
Trical 2700	957	411	1894	1109	4371
RSI 342	721	540	1970	603	3833
<i>Test Mean</i>	648	476	2222	782	4164
<i>C.V. (%)</i>	16	16	6	12	6
<i>LSD(0.10)</i>	101	71	189	86	238

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, 2005-2007

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	379	532	2311	938	4160
SS MPV 57	279	450	2222	1029	3981
<i>Oat</i>					
SS 76-40	431	503	1914	1465	4313
<i>Rye</i>					
Maton	981	502	2471	1022	4975
Wren's Abruzzi AL	959	319	2203	759	4240
<i>Triticale</i>					
Trical 2700	957	411	1831	1817	5016
Trical 336	602	573	2463	1238	4877
RSI 342	721	540	1974	972	4206
<i>Test Mean</i>	664	479	2174	1155	4471
<i>C.V. (%)</i>	16	16	9	13	7
<i>LSD(0.10)</i>	106	72	156	120	203

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, 2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
AR 97044-10-2	.	434	2639	3748	6821
GA Gore	.	500	2305	3795	6599
SS MPV 57	.	434	2174	3046	5655
<i>Oat</i>					
SS 76-40	.	575	2304	3718	6597
TX 02U7473	.	602	1316	4140	6058
TX 02U7682	.	492	1600	3881	5973
Florida 501	.	723	1664	3284	5671
<i>Rye</i>					
Maton	.	808	3572	5283	9662
AFC 20-20	.	837	3779	4689	9305
Wren's Abruzzi AL	.	1351	4177	3492	9020
Bates RSA	.	1317	2685	4361	8363
Bates	.	963	3076	4118	8157
Maton II	.	1173	2819	3504	7496
<i>Triticale</i>					
Trical 336	.	325	2926	4197	7448
RSI 342	.	1074	1570	4301	6945
Trical 2700	.	814	2207	3571	6592
<i>Test Mean</i>	.	776	2551	3945	7273
<i>C.V. (%)</i>	.	29	45	14	17
<i>LSD(0.10)</i>	.	314	1224	600	1443

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, 2006-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	250	2485	2474	5209
SS MPV 57	.	217	2444	2081	4742
<i>Oat</i>					
SS 76-40	.	288	2517	2567	5371
Florida 501	.	361	2174	2229	4765
<i>Rye</i>					
Maton	.	404	4901	3161	8466
Wren's Abruzzi AL	.	1249	3579	2357	7185
<i>Triticale</i>					
Trical 336	.	162	3077	2669	5908
Trical 2700	.	407	2953	2385	5745
RSI 342	.	1002	2126	2562	5689
<i>Test Mean</i>	.	482	2917	2498	5898
<i>C.V. (%)</i>	.	39	42	17	20
<i>LSD(0.10)</i>	.	186	907	283	886

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, 2005-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	635	2495	3257	6386
SS MPV 57	.	529	2589	3249	6366
<i>Oat</i>					
SS 76-40	.	488	2529	4269	7285
<i>Rye</i>					
Maton	.	833	4460	4677	9970
Wren's Abruzzi AL	.	1272	2898	4382	8551
<i>Triticale</i>					
Trical 2700	.	689	3067	4913	8668
Trical 336	.	621	3346	3758	7726
RSI 342	.	1167	2125	4297	7589
<i>Test Mean</i>	.	779	2939	4100	7818
<i>C.V. (%)</i>	.	29	37	14	14
<i>LSD(0.10)</i>	.	162	643	355	687

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, 2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	.	764	4075	4839
<i>Oat</i>					
TX 02U7682	.	.	1065	4225	5291
Florida 501	.	.	702	4206	4907
TX 02U7473	.	.	837	3974	4810
<i>Rye</i>					
Maton II	.	.	1162	3272	4434
Bates	.	.	834	3541	4375
Maton	.	.	791	3564	4355
Bates RSA	.	.	1142	3171	4313
AFC 20-20	.	.	657	3576	4234
Wren's Abruzzi AL	.	.	1263	2780	4043
<i>Triticale</i>					
Trical 2700	.	.	880	4148	5028
Trical 336	.	.	704	4063	4767
RSI 342	.	.	1331	3018	4349
<i>Test Mean</i>	.	.	933	3663	4596
<i>C.V. (%)</i>	.	.	15	6	7
<i>LSD(0.10)</i>	.	.	194	228	399

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, 2006-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	.	1370	4075	5445
<i>Oat</i>					
Florida 501	.	.	1556	4206	5762
<i>Rye</i>					
Maton	.	.	1575	3564	5138
Wren's Abruzzi AL	.	.	1727	2780	4507
<i>Triticale</i>					
Trical 336	.	.	1615	4063	5678
Trical 2700	.	.	1566	4148	5714
RSI 342	.	.	1629	3018	4648
<i>Test Mean</i>	.	.	1577	3693	5270
<i>C.V. (%)</i>	.	.	10	8	8
<i>LSD(0.10)</i>	.	.	150	285	236

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, 2005-2007.

TRIAL WAS NOT PLANTED IN **2005** DUE TO EXCESSIVE RAINFALL

TABLE 10. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE PRATTVILLE EXPERIMENT FIELD, PRATTVILLE, ALABAMA, 2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	1539	3477	.	5016
<i>Oat</i>					
Florida 501	.	1735	2621	.	4356
TX 02U7682	.	1653	2645	.	4298
TX 02U7473	.	1340	2591	.	3930
<i>Rye</i>					
Bates RSA	.	3342	3583	.	6925
Maton II	.	2918	3514	.	6432
AFC 20-20	.	2732	3579	.	6311
Maton	.	2221	4023	.	6243
Wren's Abruzzi AL	.	3302	2868	.	6170
Bates	.	2607	3171	.	5777
<i>Triticale</i>					
Trical 2700	.	2621	3065	.	5686
Trical 336	.	1678	3905	.	5584
RSI 342	.	2845	2305	.	5150
<i>Test Mean</i>	.	2349	3181	.	5529
<i>C.V. (%)</i>	.	18	8	.	10
<i>LSD(0.10)</i>	.	462	316	.	638

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, 2006-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	1049	3387	.	4436
<i>Oat</i>					
Florida 501	.	1213	2735	.	3947
<i>Rye</i>					
Maton	.	1624	3810	.	5434
Wren's Abruzzi AL	.	2268	2702	.	4970
<i>Triticale</i>					
Trical 336	.	1113	3959	.	5072
Trical 2700	.	1715	3300	.	5016
RSI 342	.	1850	2684	.	4533
<i>Test Mean</i>	.	1547	3225	.	4773
<i>C.V. (%)</i>	.	25	11	.	11
<i>LSD(0.10)</i>	.	304	266	.	398

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, 2005-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	1230	3306	.	4535
<i>Rye</i>					
Maton	.	1714	3651	.	5365
Wren's Abruzzi AL	.	2586	2608	.	5193
<i>Triticale</i>					
Trical 336	.	1175	3669	.	4844
Trical 2700	.	1803	3012	.	4816
RSI 342	.	1909	2416	.	4325
<i>Test Mean</i>	.	1736	3110	.	4846
<i>C.V. (%)</i>	.	26	10	.	11
<i>LSD(0.10)</i>	.	265	202	.	340

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, 2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	251	1637	3036	549	5473
<i>Oat</i>					
TX 02U7682	475	1585	2523	667	5250
Florida 501	287	1714	2254	475	4730
TX 02U7473	225	1494	2213	721	4653
<i>Rye</i>					
AFC 20-20	1078	2382	4152	685	8298
Maton II	1719	2750	3171	466	8106
Bates	1219	2464	3588	719	7990
Maton	1194	2223	3878	514	7809
Bates RSA	1909	2472	2821	523	7725
Wren's Abruzzi AL	1467	2533	2289	459	6747
<i>Triticale</i>					
Trical 2700	1024	2044	3087	423	6578
Trical 336	269	1811	2937	588	5605
RSI 342	707	2051	2043	221	5021
<i>Test Mean</i>	910	2089	2922	539	6460
<i>C.V. (%)</i>	17	13	8	30	5
<i>LSD(0.10)</i>	222	311	246	173	513

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, 2006-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	351	1418	2563	549	4881
<i>Oat</i>					
Florida 501	409	1365	1842	475	4091
<i>Rye</i>					
Maton	1016	1637	3864	514	7032
Wren's Abruzzi AL	1295	2304	2124	459	6181
<i>Triticale</i>					
Trical 2700	710	1515	2901	423	5548
Trical 336	195	1242	2798	588	4823
RSI 342	640	1848	1833	221	4542
<i>Test Mean</i>	659	1618	2561	461	5300
<i>C.V. (%)</i>	20	13	13	24	9
<i>LSD(0.10)</i>	118	213	237	173	399

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, 2005-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	373	1124	2044	660	4202
<i>Rye</i>					
Maton	916	1531	3122	718	6287
Wren's Abruzzi AL	1139	1945	1733	484	5301
<i>Triticale</i>					
Trical 2700	634	1279	2213	520	4645
RSI 342	615	1549	1408	385	3956
Trical 336	235	966	2196	586	3983
<i>Test Mean</i>	652	1399	2120	559	4729
<i>C.V. (%)</i>	18	14	14	22	9
<i>LSD(0.10)</i>	83	148	169	110	285

TABLE 16. SEASONAL DRY MATTER YIELD OF WHEAT, OATS, RYE, AND TRITICALE VARIETIES CUT AS FORAGE AT THE BREWTON EXPERIMENT FIELD, BREWTON, ALABAMA, 2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	608	1774	1951	.	4333
<i>Oat</i>					
FL 99201-D29-E1	1109	2256	1088	.	4453
Florida 501	949	2070	1064	.	4083
FL 99212-D6	1078	2058	807	.	3943
TX 02U7473	856	1896	834	.	3586
TX 02U7682	859	1826	731	.	3416
<i>Rye</i>					
AFC 20-20	1518	1917	2623	.	6058
Maton	1462	1699	2390	.	5551
Bates RSA	1725	2077	1632	.	5434
FL 96RP16-34-1	1485	2323	1412	.	5220
Bates	1469	1779	1916	.	5165
Maton II	1795	1690	1611	.	5096
Wren's Abruzzi AL	1473	2089	1304	.	4865
FL CNT-1-P1	2027	1654	1080	.	4761
FL BDZA 580 sel	1744	1674	1144	.	4561
FL CNT-1 sel	1705	1551	1082	.	4338
<i>Triticale</i>					
Trical 2700	1557	2158	1340	.	5055
Trical 336	684	1583	2197	.	4464
RSI 342	1133	2265	1032	.	4430
<i>Test Mean</i>	1328	1913	1434	.	4674
<i>C.V. (%)</i>	13	11	9	.	7
<i>LSD(0.10)</i>	186	229	138	.	381

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, 2006-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	608	2151	2046	.	4805
<i>Oat</i>					
Florida 501	949	2131	1292	.	4371
<i>Rye</i>					
Maton	1462	3686	2342	.	7491
Wren's Abruzzi AL	1473	2828	1284	.	5584
<i>Triticale</i>					
Trical 2700	1557	2510	1452	.	5518
Trical 336	684	2095	2266	.	5045
RSI 342	1133	2700	1063	.	4896
<i>Test Mean</i>	1124	2586	1678	.	5387
<i>C.V. (%)</i>	15	47	11	.	24
<i>LSD(0.10)</i>	237	937	134	.	931

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, 2005-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	608	1903	2084	.	4595
<i>Rye</i>					
Maton	1462	2907	2330	.	6699
Wren's Abruzzi AL	1473	2436	1433	.	5341
<i>Triticale</i>					
Trical 336	684	1904	2214	.	4802
Trical 2700	1557	2232	1581	.	5370
RSI 342	1133	2377	1150	.	4659
<i>Test Mean</i>	1153	2293	1799	.	5244
<i>C.V. (%)</i>	15	47	10	.	23
<i>LSD(0.10)</i>	268	662	103	.	662

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, 2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	1593	2719	.	4312
<i>Oat</i>					
FL 99212-D6	.	2792	1626	.	4418
FL 99201-D29-E1	.	2531	1847	.	4379
Florida 501	.	2594	1699	.	4293
TX 02U7682	.	2272	1946	.	4218
TX 02U7473	.	2097	1962	.	4059
<i>Rye</i>					
Bates	.	3129	4881	.	8011
Maton II	.	3729	4124	.	7853
Bates RSA	.	3896	3917	.	7813
FL 96RP16-34-1	.	4276	2707	.	6983
FL BDZA 580 sel	.	3997	2895	.	6892
Maton	.	2239	4574	.	6813
Wren's Abruzzi AL	.	3999	2211	.	6209
FL CNT-1 sel	.	3901	2273	.	6174
FL CNT-1-P1	.	3872	2025	.	5896
AFC 20-20	.	2515	2357	.	4872
<i>Triticale</i>					
Trical 2700	.	3071	2558	.	5629
Trical 336	.	2052	3427	.	5478
RSI 342	.	2841	1512	.	4352
<i>Test Mean</i>	.	3021	2698	.	5719
<i>C.V. (%)</i>	.	16	25	.	15
<i>LSD(0.10)</i>	.	513	734	.	1045

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, 2006-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	.	2974	2105	.	5080
<i>Oat</i>					
Florida 501	.	3606	1497	.	5103
<i>Rye</i>					
Maton	.	3044	3994	.	7038
Wren's Abruzzi AL	.	4811	2093	.	6904
<i>Triticale</i>					
Trical 2700	.	4341	2175	.	6516
RSI 342	.	3463	1641	.	5104
Trical 336	.	2454	2603	.	5057
<i>Test Mean</i>	.	3528	2301	.	5829
<i>C.V. (%)</i>	.	9	16	.	10
<i>LSD(0.10)</i>	.	364	264	.	458

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, 2005-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	757	2236	2625	.	5618
<i>Rye</i>					
Maton	855	2216	4133	.	7203
Wren's Abruzzi AL	1070	3544	2652	.	7265
<i>Triticale</i>					
Trical 2700	967	3179	2600	.	6747
RSI 342	675	2794	2090	.	5559
Trical 336	479	1737	2661	.	4877
<i>Test Mean</i>	800	2618	2793	.	6211
<i>C.V. (%)</i>	15	10	12	.	8
<i>LSD(0.10)</i>	146	237	208	.	309

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, 2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	511	1354	1341	.	3206
<i>Oat</i>					
FL 99201-D29-E1	1292	1740	1157	.	4188
Florida 501	1084	1865	980	.	3929
FL 99212-D6	1219	1614	930	.	3763
TX 02U7473	936	1865	960	.	3761
TX 02U7682	1065	1614	981	.	3660
<i>Rye</i>					
Bates	1135	1501	1571	.	4206
Maton II	1424	1441	1189	.	4054
Bates RSA	1607	1515	895	.	4017
AFC 20-20	987	1244	1737	.	3968
Maton	907	1139	1776	.	3822
FL CNT-1 sel	1739	1292	776	.	3806
FL 96RP16-34-1	1111	1719	863	.	3692
FL BDZA 580 sel	1667	1331	664	.	3662
FL CNT-1-P1	1954	1179	514	.	3647
Wren's Abruzzi AL	1190	1608	830	.	3628
<i>Triticale</i>					
Trical 336	631	1656	1221	.	3508
RSI 342	1006	1649	598	.	3253
Trical 2700	1055	1405	643	.	3103
<i>Test Mean</i>	1185	1512	1033	.	3730
<i>C.V. (%)</i>	14	10	19	.	8
<i>LSD(0.10)</i>	189	164	212	.	387

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, 2006-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	511	1929	1965	.	4405
<i>Oat</i>					
Florida 501	1084	2138	1738	.	4960
<i>Rye</i>					
Maton	907	1923	2546	.	5376
Wren's Abruzzi AL	1190	2119	1478	.	4787
<i>Triticale</i>					
Trical 336	631	2108	1879	.	4619
RSI 342	1006	2263	1183	.	4452
Trical 2700	1055	1995	1378	.	4428
<i>Test Mean</i>	912	2068	1738	.	4718
<i>C.V. (%)</i>	21	8	14	.	8
<i>LSD(0.10)</i>	205	135	209	.	253

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, 2005-2007.

Brand-Variety	Autumn	Winter	Early Spring	Late Spring	Total
	----- lbs/acre -----				
<i>Wheat</i>					
GA Gore	949	1658	1965	.	4572
<i>Rye</i>					
Maton	1207	1630	2546	.	5383
Wren's Abruzzi AL	1416	1834	1478	.	4728
<i>Triticale</i>					
Trical 336	893	1708	1879	.	4480
RSI 342	1232	1932	1183	.	4347
Trical 2700	1246	1715	1378	.	4339
<i>Test Mean</i>	1157	1746	1738	.	4642
<i>C.V. (%)</i>	14	9	14	.	8
<i>LSD(0.10)</i>	136	126	209	.	194

SEED SOURCES

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
FL BDZA 580 sel*, FL CNT-1-P1*, FL 96RP16-34-1*, FL CNT1 sel*	University of Florida Quincy, Florida

Triticale

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

Fla. 501	Alabama crop Improvement Assn., Auburn, Alabama
SS 76-40	Southern States Coop. Richmond, Virginia
FL 99212-D6*, FL 99201-D29-E1*	University of Florida Quincy, Florida
TX02U7473*, TX02U7682*	Texas A&M University College Station, Texas

* Experimental line; not yet commercially available.