

## Triticale and Rye

### Tifton, Georgia: Triticale and Rye Forage Performance, 2011-2012

Brand-Variety	Dry Matter Yield					Survival %
	Harvest Date			Season Totals		
	1-05-12	2-09-12	3-15-12	2012	2-Yr Avg	
	----- lb/acre -----					
<b>Triticale</b>						
FL01143	<b>2962</b>	2418	<b>1941</b>	<b>7320</b>	.	100
FL0014	<b>2768</b>	2054	<b>1956</b>	<b>6778</b>	.	100
Trical 342	2368	<b>2936</b>	1466	<b>6770</b>	6962	100
FL01149	<b>2631</b>	<b>2788</b>	1215	<b>6634</b>	.	100
Monarch	2158	2278	<b>1788</b>	6225	.	100
FL06207	1823	<b>2686</b>	1564	6073	.	100
FL01008	<b>2442</b>	2250	1362	6053	.	100
FL0013	2291	2207	1294	5792	.	100
Average	2430	2452	1573	6455 <sup>1</sup>	6962	100
LSD at 10% Level	546	382	386	711	-	-
Std. Err. of Entry Mean	224	157	158	292	-	-
<b>Rye</b>						
NF95307A	3023	2696	<b>3565</b>	<b>9285</b>	.	100
AGS 104	3860	2413	2982	<b>9254</b>	.	88
Bates RS4	2725	<b>2914</b>	<b>3346</b>	<b>8984</b>	<b>8810</b>	100
Wrens 96	2716	<b>3319</b>	2940	<b>8975</b>	<b>8771</b>	100
Florida 401	<b>4716</b>	1342	2651	<b>8708</b>	<b>8226</b>	54
Wrens Abruzzi	2420	<b>3156</b>	2779	8355	8186	100
NF97326	2226	2694	<b>3396</b>	8316	.	100
NF95319B	2165	2816	<b>3232</b>	8213	.	100
Elbon	2063	2333	<b>3468</b>	7863	.	100
Average	2879	2631	3151	8661 <sup>2</sup>	8498	93
LSD at 10% Level	469	410	398	701	609	6
Std. Err. of Entry Mean	194	170	164	290	248	3

1. C.V. = 9.0%, and df for EMS = 21.

2. C.V. = 6.7%, and df for EMS = 24.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 25, 2011.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/foot in 7" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 5.9.

Fertilization: Preplant: 50 lb N, 50 lb P<sub>2</sub>O<sub>5</sub>, and 50 lb K<sub>2</sub>O/acre.

Topdress: 35 lb N/acre after 1st and 2nd harvests.

Management: Disked, chisel plowed and rototilled.

Previous Crop: Wheat.

Test conducted by A. Coy, R. Brooke and D. Dunn.

## Plains, Georgia: Triticale and Rye Forage Performance, 2011-2012

Brand-Variety	Dry Matter Yield				Season Totals		Survival %
	Harvest Date				2012	2-Yr Avg	
	12-19-11	1-26-12	3-01-12	4-13-12			
	----- lb/acre -----						
<b>Triticale</b>							
FL01149	<b>1832</b>	<b>1906</b>	<b>1231</b>	<b>2139</b>	<b>7106</b>	.	100
FL0014	<b>2089</b>	1560	<b>1270</b>	<b>1792</b>	<b>6711</b>	.	100
Trical 342	<b>1938</b>	<b>2008</b>	<b>1070</b>	1289	6305	6527	100
FL06207	<b>1564</b>	1728	<b>1028</b>	<b>1901</b>	6221	.	100
FL01143	<b>1904</b>	<b>1893</b>	<b>1032</b>	1344	6173	.	100
FL01008	<b>1886</b>	1716	<b>1200</b>	1194	5996	.	100
Monarch	<b>1962</b>	1625	<b>1117</b>	1122	5826	.	100
FL0013	<b>1714</b>	<b>1980</b>	<b>882</b>	1107	5682	.	100
Average	1861	1802	1104	1486	6252 <sup>1</sup>	6527	100
LSD at 10% Level	N.S. <sup>2</sup>	251	N.S.	500	721	-	-
Std. Err. of Entry Mean	169	103	102	206	210	-	-
<b>Rye</b>							
Elbon	1627	<b>1594</b>	<b>2897</b>	<b>4731</b>	<b>10848</b>	.	100
NF97326	<b>2097</b>	<b>1624</b>	<b>2745</b>	2052	8517	.	100
NF95307A	<b>2215</b>	<b>1653</b>	<b>2812</b>	1344	8024	.	100
NF95319B	<b>2108</b>	<b>1723</b>	<b>2666</b>	1470	7967	.	100
Bates RS4	1904	1392	<b>2891</b>	1749	7935	<b>7588</b>	100
Wrens Abruzzi	1566	1398	<b>3026</b>	1483	7473	<b>7210</b>	100
AGS 104	<b>2354</b>	<b>1795</b>	1771	1518	7438	.	100
Wrens 96	1270	1479	<b>2823</b>	1331	6902	<b>7007</b>	100
Florida 401	<b>2298</b>	1117	1730	1117	6262	<b>7150</b>	100
Average	1938	1531	2595	1866	7929 <sup>3</sup>	7239	100
LSD at 10% Level	301	268	378	426	504	N.S.	-
Std. Err. of Entry Mean	124	110	156	176	208	129	-

1. C.V. = 9.5%, and df for EMS = 21.

2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a LSD value was not calculated.

3. C.V. = 5.2%, and df for EMS = 24.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 26, 2011.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/foot in 7" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 5.8.

Fertilization: Preplant: 15 lb N, 66 lb P<sub>2</sub>O<sub>5</sub>, and 18 lb K<sub>2</sub>O/acre.

Topdress: 40 lb N/acre after 1st, 2nd, and 3rd harvests.

Management: Disked, chisel plowed and rototilled.

Previous Crop: Fallow.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.

## Griffin, Georgia: Triticale and Rye Forage Performance, 2011-2012

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1-31-12	3-08-12	4-09-12	2012	2-Yr Avg
----- lb/acre -----					
<b><u>Triticale</u></b>					
Monarch	<b>2121</b>	<b>1404</b>	<b>4411</b>	<b>7935</b>	.
Trical 342	<b>1789</b>	<b>1240</b>	3484	6513	8271
Average	1955	1322	3947	7224 <sup>1</sup>	8271
LSD at 10% Level	N.S. <sup>2</sup>	N.S.	635	939	-
Std. Err. of Entry Mean	121	150	191	282	-
<b><u>Rye</u></b>					
	<u>2-08-12</u>	<u>3-08-12</u>	<u>4-10-12</u>		
AGS 104	<b>5366</b>	428	4912	<b>10705</b>	.
Wrens Abruzzi	2972	888	<b>5863</b>	9722	<b>9561</b>
NF97326	2591	1017	<b>5548</b>	9155	.
Wrens 96	2815	776	<b>5531</b>	9122	<b>10337</b>
NF95307A	3024	1048	4837	8909	.
NF95319B	2913	870	5018	8800	.
Elbon	1001	<b>2008</b>	<b>5568</b>	8576	.
Florida 401	4428	238	3775	8441	<b>8440</b>
Bates RS4	2241	1101	4778	8120	<b>9115</b>
Average	3039	930	5092	9061 <sup>3</sup>	9363
LSD at 10% Level	746	231	805	977	N.S.
Std. Err. of Entry Mean	308	96	333	404	412

1. C.V. = 7.8%, and df for EMS = 3.

2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a LSD value was not calculated.

3. C.V. = 8.9%, and df for EMS = 24.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 7, 2011.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/foot in 7" rows.

Soil Type: Cecil clay loam.

Soil Test: Triticale: P = Medium, K = High, and pH = 5.4.

Rye: P = Medium, K = High, and pH = 6.3

Fertilization: Triticale: Preplant: 30 lb N, 60 lb P<sub>2</sub>O<sub>5</sub>, and 90 lb K<sub>2</sub>O/acre.

Topdress: 70 lb N/acre after 1st and 2nd harvests.

Rye: Preplant: 50 lb N, 100 lb P<sub>2</sub>O<sub>5</sub>, and 150 lb K<sub>2</sub>O/acre.

Topdress: 50 lb N/acre after 1st and 2nd harvests.

Management: Triticale: Chisel plowed, disked and rototilled; applied 1500 lb lime/acre.

Rye: Chisel plowed, disked and rototilled,

Previous Crop: Fallow.

Test conducted by J. Gassett and G. Ware.

## Marianna, Florida: Triticale and Rye Forage Performance, 2011-2012

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date			2012	2-Yr Avg	
	1-04-12	1-30-12	3-06-12			
	----- lb/acre -----					
<b><u>Triticale</u></b>						
FL06207	1556	<b>1388</b>	<b>1847</b>	<b>4790</b>	.	
FL0014	<b>1693</b>	1232	<b>1724</b>	<b>4649</b>	.	
Monarch	1408	<b>1467</b>	1356	4231	.	
Trical 342	1435	1267	1384	4086	5023	
FL01149	1618	<b>1524</b>	906	4048	.	
FL01143	<b>1986</b>	708	1338	4031	.	
FL0013	1593	1016	1358	3967	.	
FL01008	1570	1243	1081	3894	.	
Average	1607	1231	1374	4212 <sup>1</sup>	5023	
LSD at 10% Level	308	172	294	402	-	
Std. Err. of Entry Mean	126	71	120	165	-	
<b><u>Rye</u></b>	<u>1-04-12</u>	<u>1-30-12</u>	<u>2-29-12</u>	<u>3-27-12</u>		
Wrens Abruzzi	270	<b>1503</b>	<b>1963</b>	<b>1460</b>	<b>5195</b>	<b>5343</b>
Florida 401	<b>1193</b>	1303	638	1220	4353	<b>5766</b>
Average	731	1403	1301	1340	4774 <sup>2</sup>	5554
LSD at 10% Level	362	197	402	60	338	N.S. <sup>3</sup>
Std. Err. of Entry Mean	108	59	121	18	102	100

1. C.V. = 7.8%, and df for EMS = 21.
2. C.V. = 4.2%, and df for EMS = 3.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 9, 2011.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/foot in 7" rows.

Soil Type: Chipola loamy sand.

Soil Test: P = Medium, K = High, and pH = 6.4.

Fertilization: Preplant: 30 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 60 lb K<sub>2</sub>O/acre.

Topdress: 51 lb N/acre after 1st and 2nd harvests for Triticale;

51 lb N/acre after 1st, 2nd and 3rd harvests for Rye.

Management: Moldboard plowed and rototilled; Buctril and Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

## Statewide Summary: Triticale and Rye Forage Performance, 2011-2012 with Two- and Three-Year Averages

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
	2012	2-Yr Avg	3-Yr Avg	2012	2-Yr Avg	3-Yr Avg	2012	2-Yr Avg	3-Yr Avg	2012	2-Yr Avg	3-Yr Avg
	----- lb/acre -----											
<b>Triticale</b>												
FL0013	5792	.	.	5682	.	.	.	.	.	.	.	.
FL0014	<b>6778</b>	.	.	<b>6711</b>	.	.	.	.	.	.	.	.
FL01008	6053	.	.	5996	.	.	.	.	.	.	.	.
FL01143	<b>7320</b>	.	.	6173	.	.	.	.	.	.	.	.
FL01149	<b>6634</b>	.	.	<b>7106</b>	.	.	.	.	.	.	.	.
FL06207	6073	.	.	6221	.	.	.	.	.	.	.	.
Monarch	6225	.	.	5826	.	.	<b>7935</b>	.	.	<b>6662</b>	.	.
Trical 342	<b>6770</b>	6962	6186	6305	6527	<b>6583</b>	6513	8271	7427	<b>6529</b>	7254	6732
Average	6455	6962	6186	6252	6527	<b>6583</b>	7224	8271	7427	6595	7254	6732
LSD at 10% Level	711	-	-	721	-	-	939	-	-	N.S. <sup>1</sup>	-	-
Std. Err. of Entry Mean	292	-	-	210	-	-	282	-	-	1196	-	-
<b>Rye</b>												
AGS 104	<b>9254</b>	.	.	7438	.	.	<b>10705</b>	.	.	<b>9132</b>	.	.
Bates RS4	<b>8984</b>	<b>8810</b>	<b>7767</b>	7935	<b>7588</b>	<b>7463</b>	8120	<b>9115</b>	8214	<b>8346</b>	<b>8504</b>	<b>7815</b>
Elbon	7863	.	.	<b>10848</b>	.	.	8576	.	.	<b>9096</b>	.	.
Florida 401	<b>8708</b>	<b>8226</b>	7265	6262	<b>7150</b>	<b>6977</b>	8441	<b>8440</b>	7221	<b>7804</b>	<b>7938</b>	7154
NF95307A	<b>9285</b>	.	.	8024	.	.	8909	.	.	<b>8739</b>	.	.
NF95319B	8213	.	.	7967	.	.	8800	.	.	<b>8327</b>	.	.
NF97326	8316	.	.	8517	.	.	9155	.	.	<b>8663</b>	.	.
Wrens 96	<b>8975</b>	<b>8771</b>	<b>7700</b>	6902	<b>7007</b>	<b>6996</b>	9122	<b>10337</b>	<b>9150</b>	<b>8333</b>	<b>8705</b>	<b>7948</b>
Wrens Abruzzi	8355	8186	7310	7473	<b>7210</b>	<b>7065</b>	9722	<b>9561</b>	<b>8780</b>	<b>8517</b>	<b>8319</b>	<b>7718</b>
Average	8661	8498	7511	7929	7239	7125	9061	9363	8341	8551	8367	7659
LSD at 10% Level	701	609	403	504	N.S.	N.S.	977	N.S.	715	N.S.	N.S.	280
Std. Err. of Entry Mean	290	248	167	208	129	105	404	412	297	180	166	119

1. The F-Test indicated no statistical difference at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

## Tifton, Georgia: Triticale Silage Performance, 2011-2012

Brand-Variety	Forage Yield		Plant Height in	Dry Matter %	Lodging %	2-Yr Avg Dry Yield tons/acre	Head Date	Survival %
	Dry tons/acre	Green						
FL0014	<b>3.3</b>	<b>10.5</b>	.	31	0	.	02/05	100
FL01143	<b>3.2</b>	<b>10.3</b>	.	31	0	.	02/03	100
FL01149	<b>3.1</b>	<b>10.6</b>	.	29	0	.	02/06	100
Trical 342	<b>3.0</b>	<b>9.9</b>	.	30	0	4.3	02/06	100
FL0013	2.9	9.0	.	32	0	.	02/02	100
FL01008	2.9	9.2	.	31	0	.	02/03	100
FL06207	2.8	9.4	.	30	0	.	02/06	100
Monarch	2.8	<b>10.2</b>	.	27	0	.	02/08	100
Average	3.0 <sup>1</sup>	9.9 <sup>2</sup>	.	30	0	4.3	02/05	100
LSD at 10% Level	0.3	1.0		2	-	-	01	-
Std. Err. of Entry Mean	0.1	0.4		1	-	-	04	-

1. CV = 8.4%, and df for EMS = 21.

2. CV = 7.9%, and df for EMS = 21.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 25, 2011.

Harvested: February 29, 2012.

Seeding Rate: 27 seeds/acre in 30" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 5.9.

Fertilization: 50 lb N, 50 lb P<sub>2</sub>O<sub>5</sub>, and 50 lb K<sub>2</sub>O/acre as preplant; 35 lb N/acre as topdress.

Previous Crop: Wheat.

Management: Disked, chisel plowed and rototilled.

Test conducted by A. Coy, R. Brooke and D. Dunn.

## Griffin, Georgia: Triticale Silage Performance, 2011-2012

Brand-Variety	Forage Yield		Plant Height in	Dry Matter %	Lodging %	2-Yr Avg Dry Yield tons/acre	Survival %
	Dry tons/acre	Green					
FL06207	<b>1.4</b>	<b>6.7</b>	20	21	0	.	95
Monarch	<b>1.3</b>	<b>6.3</b>	19	21	0	.	95
Trical 342	<b>1.3</b>	<b>6.4</b>	20	21	0	6.3	95
FL0014	<b>1.3</b>	<b>6.0</b>	18	23	0	.	99
FL01143	<b>1.3</b>	5.9	21	22	0	.	96
FL01149	<b>1.3</b>	5.9	19	21	0	.	86
FL01008	<b>1.1</b>	5.6	19	21	0	.	96
FL0013	<b>1.1</b>	5.3	19	21	0	.	90
Average	1.3 <sup>1</sup>	6.0 <sup>2</sup>	19	21	0	6.3	94
LSD at 10% Level	N.S. <sup>3</sup>	0.7	1	N.S.	-	-	5
Std. Err. of Entry Mean	0.1	0.3	1	1	-	-	4

1. CV = 11.9%, and df for EMS = 21.

2. CV = 9.2%, and df for EMS = 21.

3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 7, 2011.

Harvested: March 12, 2012.

Seeding Rate: 27 seeds/acre in 30" rows.

Soil Type: Cecil sandy loam.

Soil Test: P = Medium, K = High, and pH = 5.4.

Fertilization: 30 lb N, 60 lb P<sub>2</sub>O<sub>5</sub>, and 90 lb K<sub>2</sub>O/acre as preplant;  
 75 lb N/acre as topdress.

Previous Crop: Fallow.

Management: Chisel plowed, disked and rototilled; applied 1500 lb lime/acre.

Test conducted by J. Gassett and G. Ware.

## Statewide Summary: Triticale Silage Performance, 2011-2012 with Two- and Three-Year Averages

Brand-Variety	Yield																	
	2012						2-Year Average						3-Year Average					
	South <sup>1</sup>		North <sup>2</sup>		State		South <sup>1</sup>		North <sup>2</sup>		State		South <sup>1</sup>		North <sup>2</sup>		State	
	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry
----- tons/acre -----																		
FL0013	9.0	2.9	5.3	1.1	7.1	2.0	.	.	.	.	.	.	.	.	.	.	.	.
FL0014	<b>10.5</b>	<b>3.3</b>	<b>6.0</b>	<b>1.3</b>	<b>8.3</b>	<b>2.3</b>	.	.	.	.	.	.	.	.	.	.	.	.
FL01008	9.2	2.9	5.6	1.1	7.4	2.0	.	.	.	.	.	.	.	.	.	.	.	.
FL01143	<b>10.3</b>	<b>3.2</b>	5.9	1.3	8.1	2.2	.	.	.	.	.	.	.	.	.	.	.	.
FL01149	<b>10.6</b>	<b>3.1</b>	5.9	1.3	8.3	2.2	.	.	.	.	.	.	.	.	.	.	.	.
FL06207	9.4	2.8	<b>6.7</b>	1.4	8.0	2.1	.	.	.	.	.	.	.	.	.	.	.	.
Monarch	<b>10.2</b>	2.8	<b>6.3</b>	1.3	8.2	2.1	.	.	.	.	.	.	.	.	.	.	.	.
Trical 342	<b>9.9</b>	<b>3.0</b>	<b>6.4</b>	1.3	8.2	2.1	10.1	4.3	13.3	6.3	11.7	5.3	11.6	5.0	12.5	5.7	12.0	5.3
Average	9.9	3.0	6.0	1.3	8.0	2.1	10.1	4.3	13.3	6.3	11.7	5.3	11.6	5.0	12.5	5.7	12.0	5.3
LSD at 10% Level	1.0	0.3	0.7	N.S. <sup>3</sup>	N.S.	N.S.	-	-	-	-	-	-	-	-	-	-	-	-
Std. Err. of Entry Mean	0.4	0.1	0.3	0.1	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-

1. Tifton.

2. Griffin.

3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).