

Oat

Tifton, Georgia: Oat Forage Performance, 2006-2007

Brand-Variety	Dry Matter Yield						Season Totals	
	Harvest Date					2007	2-Yr Avg	
	12-18-06	1-12-07	2-07-07	3-06-07	3-30-07			
----- lb/acre -----								
Horizon 321	2021	1616	1154	1307	1912	8011	7505	
FL99201-029-E1	2017	1978	928	1307	1381	7611	.	
Horizon 270	1963	1717	980	1198	1398	7255	6795	
Horizon 474	1830	1477	893	1359	1311	6870	6676	
Florida 501	2087	1797	850	918	1178	6830	.	
FL99212-06	2030	1494	1032	1054	1133	6743	.	
TX02U7682	1551	1747	1054	1133	1224	6708	6754	
TAMO 405	1154	1686	1059	1146	1599	6642	6518	
LA990165BSB-98-S	1547	1777	1002	1106	1194	6625	6769	
FL99106-H4	1324	1721	1050	1072	1429	6595	.	
Rodgers	1268	1799	993	1185	1333	6577	6308	
LA9912	1886	1507	1142	893	911	6338	.	
FL0048-H23	1808	1612	702	1006	1150	6277	.	
TX02U7473	1636	1690	1098	950	871	6244	6243	
TAMO 406	1237	1625	1011	963	1303	6138	6315	
FL0105-H3	2101	1346	871	958	816	6092	.	
SS76-40	1595	1555	1028	1138	763	6080	6316	
UFRGS995080-1	2012	1157	588	1028	1237	6022	.	
Average	1726	1628	969	1096	1230	6648 ¹	6620	
LSD at 10% Level	403	N.S. ²	240	252	293	670	N.S.	
Std. Err. of Entry Mean	170	164	102	106	124	282	169	

1. C.V. = 8.5%, and df for EMS = 51.

2. 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: October 27, 2006.

Seeding Rate: 22 seed/foot in 7" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Low, and pH = 6.0.

Fertilization: Preplant: 68 lb N, 18 lb P₂O₅, and 54 lb K₂O/acre.
 Topdress: 50 lb N/acre after 1st, 2nd, 3rd, and 4th harvests.

Management: Subsoiled and rototilled.

Previous Crop: Winter forages.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

Plains, Georgia: Oat Forage Performance, 2006-2007

Brand-Variety	Dry Matter Yield					Cold Damage ¹ %
	Harvest Date			Season Totals		
	1-17-07	2-28-07	4-04-07	2007	2-Yr Avg	
	lb/acre					
Horizon 321	1799	1355	4678	7832	9326	0
LA990165BSB-98-S	1651	1211	4600	7462	9100	10
Horizon 270	1869	1168	4339	7375	8781	0
Rodgers	1581	1272	4517	7371	8492	0
TAMO 406	1290	1346	4687	7323	8839	0
Horizon 474	1464	1211	4522	7196	8880	0
FL99106-H4	1459	1246	4465	7170	.	0
SS76-40	1499	1551	4086	7135	8754	10
TX02U7682	1677	1472	3942	7092	8741	0
FL99201-029-E1	1840	1102	4103	7046	.	20
TAMO 405	1237	1281	4469	6987	8437	0
FL0048-H23	2078	1111	3681	6869	.	21
TX02U7473	1786	1033	3855	6673	8518	10
LA9912	1747	980	3807	6534	.	33
Florida 501	1974	549	3816	6338	.	40
UFRGS995080-1	1978	501	3716	6194	.	40
FL99212-06	1725	1194	2988	5907	.	33
FL0105-H3	1481	906	3354	5741	.	20
Average	1674	1138	4090	6902 ²	8787	13
LSD at 10% Level	365	270	468	509	N.S. ³	16
Std. Err. of Entry Mean	154	114	198	214	239	7

1. Rated as percent of foliage damaged by low temperature.

2. C.V. = 6.2%, and df for EMS = 51.

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 1, 2006.

Seeding Rate: 22 seed/foot in 7" rows.

Soil Type: Greenville sandy clay loam.

Soil Test: P = Low, K = High, and pH = 6.1.

Fertilization: Preplant: 56 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

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

Management: Subsoiled and rototilled.

Previous Crop: Peanut.

Test conducted by A. E. Coy, R. Brooke, R. Jackson, and R. Pines.

Griffin, Georgia: Oat Forage Performance, 2006-2007

Brand-Variety	Dry Matter Yield		
	Harvest Date		Season Total
	1-29-07	3-20-07	2007
	----- lb/acre -----		
Horizon 321	6568	2480	9048
FL0105-H3	4799	.	4799
FL99106-H4	4798	.	4798
FL0048-H23	4672	.	4672
UFRGS995080-1	4524	.	4524
Florida 501	4432	.	4432
FL99201-029-E1	4418	.	4418
Rodgers	4209	.	4209
Horizon 270	4183	.	4183
SS76-40	4029	.	4029
TAMO 405	3924	.	3924
Horizon 474	2316	1607	3923
TX02U7473	3862	.	3862
FL99212-06	3674	.	3674
TX02U7682	3580	.	3580
LA9912	3336	.	3336
LA990165BSB-98-S	3159	.	3159
TAMO 406	2723	.	2723
York	2622	.	2622
Average	3991	2043	4206 ¹
LSD at 10% Level	1037	N.S. ²	1078
Std. Err. of Entry Mean	438	601	456

1. C.V. = 21.7%, and df for EMS = 54.

2. 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: October 4, 2006.

Seeding Rate: 22 seed/foot in 7" rows.

Soil Type: Cecil sandy clay loam.

Soil Test: P = Medium, K = High, and pH = 6.9.

Fertilization: Preplant: 49 lb N, 98 lb P₂O₅, and 147 lb K₂O/acre.

Topdress: 50 lb N/acre on January 29, 2007.

Management: Chisel plowed, disked, and rototilled.

Previous Crop: Fallow.

Test conducted by J. Gassett, G. Ware, and D. Day.

Marianna, Florida: Oat Forage Performance, 2006-2007

Brand-Variety	Dry Matter Yield					Season Totals		Cold Damage ¹ %
	Harvest Date					2007	2-Yr Avg	
	1-18-07	2-20-07	3-23-07	4-18-07	5-11-07			lb/acre
FL99201-029-E1	742	982	2173	1364	755	6015	.	1
Rodgers	751	1070	2143	1270	741	5975	5232	0
FL0048-H23	911	1274	2282	906	590	5961	.	4
York	590	852	1951	1495	889	5776	.	4
TX02U7682	862	910	2216	1043	663	5694	5572	3
LA9912	1040	1091	1964	962	629	5685	.	3
FL0105-H3	928	811	1650	1574	690	5651	.	4
TAMO 406	584	817	2240	1225	645	5510	4681	3
FL99212-06	838	1092	1626	1118	816	5489	.	1
FL99106-H4	338	763	2274	1332	746	5454	.	6
Horizon 474	732	1029	2346	1012	330	5449	4941	5
Florida 501	1021	700	2461	783	443	5408	.	4
Horizon 270	962	774	1537	1285	700	5258	4595	5
LA990165BSB-98-S	740	758	1904	1185	646	5234	4474	4
UFRGS995080-1	1174	492	2196	855	505	5222	.	15
Horizon 321	690	837	1975	1168	550	5219	4791	4
SS76-40	632	1030	1623	1136	708	5128	4012	6
TAMO 405	805	743	1997	1042	530	5116	4137	5
TX02U7473	857	674	1882	929	496	4838	4180	4
Average	800	879	2023	1141	635	5478 ²	4661	4
LSD at 10% Level	172	203	469	201	178	748	585	3
Std. Err. of Entry Mean	72	86	198	85	75	316	247	1

1. Rated as percent stand loss due to cold weather.

2. C.V. = 11.6%, and df for EMS = 54.

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

Planted: October 30, 2006.

Seeding Rate: 22 seed/foot in 7" rows.

Soil Type: Chipola loamy sand.

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

Fertilization: Preplant: 50 lb N, 40 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 50 lb N/acre after 1st, 2nd, 3rd, and 4th harvests.

Management: Moldboard plowed and rototilled; to avoid stand loss 1.0 inch/acre irrigation applied 3-31-07, 4-05-07, 4-12-07, 4-20-07, and 4-27-07.

Previous Crop: Corn.

Test conducted by J. Jones.

Statewide Summary: Oat Forage Performance, 2006-2007 with Two- and Three-Year Averages

Brand-Variety	Dry Forage Yield								
	Tifton		Plains		Griffin		Statewide		
	2007	3-Year Average	2007	3-Year Average	2007	3-Year Average	2007	2-Year Average ¹	3-Year Average ¹
----- lb/acre -----									
FL0048-H23	6277	.	6869	.	4672	.	5939	.	.
FL0105-H3	6092	.	5741	.	4799	.	5544	.	.
FL99106-H4	6595	.	7170	.	4798	.	6188	.	.
FL99201-029-E1	7611	.	7046	.	4418	.	6358	.	.
FL99212-06	6743	.	5907	.	3674	.	5441	.	.
Florida 501	6830	.	6338	.	4432	.	5867	.	.
Horizon 270	7255	6428	7375	8849	4183	.	6271	7788	7639
Horizon 321	8011	7131	7832	9453	6568	.	7470	8416	8292
Horizon 474	6870	6358	7196	8933	2316	.	5461	7778	7645
LA990165BSB-98-S	6625	.	7462	.	3159	.	5749	7934	.
LA9912	6338	.	6534	.	3336	.	5403	.	.
Rodgers	6577	6076	7371	8808	4209	.	6052	7400	7442
SS76-40	6080	6296	7135	9165	4029	.	5748	7535	7730
TAMO 405	6642	6049	6987	8332	3924	.	5851	7478	7191
TAMO 406	6138	6025	7323	9197	2723	.	5394	7577	7611
TX02U7473	6244	.	6673	.	3862	.	5593	7381	.
TX02U7682	6708	.	7092	.	3580	.	5793	7747	.
UFRGS995080-1	6022	.	6194	.	4524	.	5580	.	.
York	2622
Average	6648	6337	6902	8962	3991	.	5872	7703	7650
LSD at 10% Level	670	367	509	709	1037	.	842	335	395
Std. Err. of Entry Mean	282	129	214	250	438	.	190	120	141

1. Tifton and Plains only.

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