

Oat

Tifton, Georgia:

Oat Forage Performance, 2004-2005

Brand-Variety	Dry Matter Yield						Season Totals	
	Harvest Date					2005	2-Yr Avg	
	12-15-04	1-11-05	2-17-05	3-07-05	4-09-05			
-----lb/acre-----								
Horizon 321	579	1149	1298	1049	2307	6381	7738	
SS76-40	479	937	1647	1011	2183	6255	7883	
Plot Spike LA9339	534	1113	1320	1002	2204	6172	7665	
C 227	327	706	1642	1015	2287	5976	7821	
NK-Coker 820	698	1028	1208	837	2138	5909	7953	
LA976GBS-22-B-S2	359	808	1416	1037	2147	5767	7628	
Horizon 314	359	882	1255	1011	2222	5729	7360	
Horizon 474	534	719	1224	967	2278	5722	7523	
LA9825SBSB-59-C	436	1059	1259	906	2056	5715	.	
LA966BSB119-1	632	1076	1041	919	2034	5701	7482	
LA966BSB-270-S2-C	490	876	1246	911	2174	5696	.	
LA95033D63-1-C-S3	447	998	1189	876	2156	5665	.	
SC961246	327	819	1346	1037	2108	5637	.	
Rodgers	327	854	1442	915	2074	5610	7529	
Harrison	218	686	1481	1050	2122	5556	7549	
Secretariat	349	449	1398	1146	2187	5528	7364	
TX02U7605	447	941	1433	815	1821	5457	.	
TX02U7344	381	756	1176	1002	2130	5445	.	
LA9810SBS-58	490	873	1155	893	1991	5402	7679	
Florida 501	597	869	963	824	1956	5208	7483	
TX01CSRH Sel 1	174	815	1085	876	2161	5110	6859	
LA989SBSB-58-B	109	604	1407	1050	1934	5103	.	
TX02U7097	381	865	1229	754	1673	4901	.	
Average	420	864	1298	952	2102	5637 ¹	7568	
LSD at 10% Level	133	190	155	94	156	300	N.S. ²	
Std. Err. of Entry Mean	56	80	66	40	66	128	152	

1. C.V. = 4.5%, and df for EMS = 66.

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: November 1, 2004.

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

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: Preplant: 26 lb N, 51 lb P₂O₅, and 77 lb K₂O/acre.

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

Management: Paratilled and rototilled; Harmony Extra used for weed control.

Previous Crop: Summer annual forage.

Test conducted by A. E. Coy, R. B. Bennett, R. E. Brooke, and R. D. Burton.

Plains, Georgia: Oat Forage Performance, 2004-2005

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	12-14-04	2-08-05	3-02-05	4-18-05	2005	2-Yr Avg
----- lb/acre -----						
Horizon 314	1094	818	1895	6327	10133	10034
GA-Acton*	664	392	1934	7039	10029	.
SS76-40	882	980	1864	6262	9988	9910
TX02U7344	970	871	1594	6479	9914	.
C 227	664	1089	1699	6335	9787	9830
Horizon 321	773	752	1655	6526	9706	9717
SC961246	926	828	1655	6170	9579	.
Plot Spike LA9339	1514	850	1015	6097	9475	9669
Rodgers	784	850	1895	5913	9441	9807
LA95033D63-1-C-S3	991	751	1398	6097	9238	.
Secretariat	730	926	1721	5840	9216	9211
NK-Coker 820	1046	849	2143	5143	9181	9486
Horizon 474	1067	1013	1403	5556	9039	8740
LA976GBS-22-B-S2	882	806	1538	5809	9035	9356
AR0258-7	893	1013	1812	5293	9011	.
Harrison	719	839	1385	6058	9001	9712
LA9825SBSB-59-C	806	697	1660	5836	8999	.
LA966BSB-270-S2-C	904	567	1268	6248	8985	.
LA966BSB119-1	1100	610	1572	5683	8965	9269
TX02U7605	697	708	1547	5535	8486	.
LA989SBSB-58-B	501	686	1904	5325	8416	.
LA9810SBS-58	1263	436	1264	5228	8191	8420
TAMO 405	534	708	1485	5396	8123	9065
TX02U7097	1144	773	985	4910	7811	.
AGRHV 103*	969	469	850	4696	6983	.
Florida 501	1307	294	967	4232	6800	7595
AGRHV 101*	1241	316	788	3575	5921	.
AGRHV 102*	1220	229	601	3306	5355	.
Average	939	718	1482	5604	8743 ¹	9321
LSD at 10% Level	365	346	484	967	1243	734
Std. Err. of Entry Mean	156	147	206	411	528	312

* Barley variety.

1. C.V. = 12.1%, and df for EMS = 81.

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

Planted: October 19, 2004.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, 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, 2nd, and 3rd harvests.

Management: Subsoiled and rototilled.

Previous Crop: Cotton.

Test conducted by A. E. Coy, R. D. Bennett, R. E. Brooke, R. D. Burton, R. R. Pines, and P. A. Rose.

Griffin, Georgia: Oat Forage Performance, 2004-2005

Brand-Variety	Dry Matter Yield						Season Totals	
	Harvest Date					2005	2-Yr Avg	
	12-02-04	2-07-05	3-09-05	5-05-05	5-24-05			
lb/acre								
TX02U7344	443	247	838	1572	4994	8093	.	
LA966BSB119-1	856	446	791	1297	4338	7727	6753	
Horizon 321	638	440	754	1384	4219	7434	6921	
NK-Coker 820	547	336	875	1631	3936	7324	6776	
LA95033D63-1-C-S3	577	287	852	1701	3905	7322	.	
Plot Spike LA9339	874	294	891	1405	3796	7258	8041	
LA976GBS-22-B-S2	768	231	863	1267	4069	7197	7089	
SS76-40	524	247	847	1460	4077	7155	7097	
TX02U7097	824	604	878	1471	3315	7092	.	
LA9825SBSB-59-C	518	337	740	1155	4315	7063	.	
Horizon 314	564	408	774	1370	3934	7051	7008	
SC961246	576	313	684	1260	4208	7041	.	
Rodgers	586	258	703	1551	3725	6822	6181	
Secretariat	649	207	859	1433	3659	6807	.	
LA966BSB-270-S2-C	568	321	1068	1506	3337	6800	.	
LA9810SBS-58	616	384	821	1485	3490	6794	6724	
Florida 501	1034	577	981	1585	2434	6610	6292	
C 227	661	185	883	1651	3211	6589	6555	
AGRHV 103*	441	644	877	1283	3331	6575	.	
Horizon 474	491	347	774	1663	3222	6496	6409	
AGRHV 102*	764	371	862	1399	3033	6427	.	
Harrison	450	156	559	1634	3617	6417	6685	
TX02U7605	535	316	825	1749	2909	6333	.	
LA989SBSB-58-B	532	165	743	1442	3422	6303	.	
TAMO 405	336	259	988	1087	3396	6066	6233	
AR0258-7	546	140	619	1424	3266	5995	.	
GA-Acton*	374	112	457	1634	3130	5706	.	
AGRHV 101*	896	554	875	871	1119	4314	.	
Average	614	328	810	1442	3550	6743 ¹	6769	
LSD at 10% Level	N.S. ²	190	242	351	600	880	N.S.	
Std. Err. of Entry Mean	154	80	103	150	254	374	306	

* Barley variety.

1. C.V. = 12.2%, and df for EMS = 81.

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: October 8, 2004.

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

Soil Type: Appling coarse sandy loam.

Soil Test: P = High, K = Medium, and pH = 5.6.

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

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

Management: Chisel plowed, disked, and rototilled.

Previous Crop: Fallow.

Test conducted by P. A. Rose.

Statewide Summary: Oat Forage Performance, 2004-2005 with Two- and Three-Year Averages

Brand-Variety	Dry Forage Yield								
	Tifton		Plains		Griffin		Statewide		
	2005	3-Year Average	2005	3-Year Average	2005	3-Year Average	2005	2-Year Average	3-Year Average
	----- lb/acre -----								
AGRHV 101*	.	.	5921	.	4314	.	.	.	.
AGRHV 102*	.	.	5355	.	6427	.	.	.	.
AGRHV 103*	.	.	6983	.	6575	.	.	.	.
AR0258-7	.	.	9011	.	5995	.	.	.	.
C 227	5976	7804	9787	8438	6589	5682	7451	8069	7308
Florida 501	5208	7312	6800	6770	6610	5527	6206	7123	6536
GA-Acton*	.	.	10029	.	5706	.	.	.	.
Harrison	5556	7398	9001	8287	6417	5755	6991	7982	7147
Horizon 314	5729	7040	10133	8472	7051	5880	7637	8134	7131
Horizon 321	6381	7534	9706	8544	7434	5770	7840	8126	7283
Horizon 474	5722	7311	9039	7515	6496	5495	7086	7558	6774
LA95033D63-1-C-S3	5665	.	9238	.	7322	.	7408	.	.
LA966BSB-270-S2-C	5696	.	8985	.	6800	.	7160	.	.
LA966BSB119-1	5701	.	8965	.	7727	.	7465	7834	.
LA976GBS-22-B-S2	5767	.	9035	.	7197	.	7333	8024	.
LA9810SBS-58	5402	.	8191	.	6794	.	6795	7608	.
LA9825SBSB-59-C	5715	.	8999	.	7063	.	7259	.	.
LA989SBSB-58-B	5103	.	8416	.	6303	.	6607	.	.
NK-Coker 820	5909	.	9181	.	7324	.	7471	8072	.
Plot Spike LA9339	6172	7376	9475	8167	7258	6660	7635	8458	7401
Rodgers	5610	7648	9441	8429	6822	5491	7291	7839	7189
SC961246	5637	.	9579	.	7041	.	7419	.	.
SS76-40	6255	.	9988	.	7155	.	7799	8297	.
Secretariat	5528	7318	9216	8104	6807	.	7184	.	.
TAMO 405	5110	6842	8123	7910	6066	5317	6433	7386	6690
TX02U7097	4901	.	7811	.	7092	.	6601	.	.
TX02U7344	5445	.	9914	.	8093	.	7817	.	.
TX02U7605	5457	.	8486	.	6333	.	6758	.	.
Average	5637	7358	8743	8063	6743	5731	7202	7894	7051
LSD at 10% Level	300	N.S. ¹	1243	550	880	N.S.	572	429	304
Std. Err. of Entry Mean	128	125	528	196	374	233	216	154	109

* Barley variety

1. The F-Test indicated no statistical difference at the alpha = 0.1 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).