

# Oat

## Tifton, Georgia: Oat Forage Performance, 2013-2014

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2014	2-Yr Avg
	12-11-13	02-06-14	03-11-14	04-11-14		
----- lb/acre -----						
SS 76-50	1742	<b>2134</b>	<b>3158</b>	2777	<b>9811</b>	<b>7808</b>
NF27	1721	1677	<b>3294</b>	<b>3038</b>	<b>9729</b>	<b>8094</b>
NF95418	1722	1815	<b>3228</b>	2944	<b>9709</b>	<b>8192</b>
Okay	<b>2091</b>	1906	<b>3001</b>	2603	<b>9600</b>	.
TX10CAS581	1764	1862	<b>3050</b>	2505	9182	.
Cosaque*	<b>2026</b>	1525	2611	2919	9080	.
RAM LA99016	1601	1590	2639	<b>3234</b>	9064	7341
TX09CS031	1416	1851	<b>2877</b>	2842	8986	.
LA07048-28	1568	1590	2699	<b>3093</b>	8950	.
LA07048-19	1732	1302	2777	<b>3126</b>	8936	.
LA02065-88	1721	1481	2568	<b>3093</b>	8863	.
TX09CS1029	1710	1797	2621	2559	8687	.
TX10CAS279	1863	1372	2310	<b>3093</b>	8637	.
FL0720-R5	<b>2135</b>	1285	2332	2799	8550	.
LA06046SS-N2-Ab2	1830	1176	2578	2951	8535	.
FL0720-R6	1982	1318	2396	2625	8320	.
FL03254-L1	1840	1285	2406	2668	8199	.
FL0567-L1	<b>2254</b>	773	2166	2799	7992	.
LA07007-68	<b>2102</b>	327	1877	2755	7060	6634
FL0772-R3	<b>2107</b>	207	1122	1906	5342	.
Average	1846	1414	2585	2816	8662 <sup>1</sup>	7614
LSD at 10% Level	317	171	461	278	578	404
Std. Err. of Entry Mean	134	72	195	118	244	167

\* Black oat.

1. C.V. = 5.6%, and df for EMS = 57.

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

Planted: October 17, 2013.

Seeding Rate: 30 seed per foot in 7-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 5.3.

Fertilization: Preplant: 46 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 46 lb K<sub>2</sub>O/acre.

Topdress: 40 lb N/acre after first, second, and third harvests.

Management: Disked, moldboard plowed, and rototilled; 1,000 lb lime/acre applied.

Previous Crop: Summer annuals.

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

## Plains, Georgia: Oat Forage Performance, 2013-2014

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	01-23-14	02-25-14	04-01-14	2014	2-Yr Avg
----- lb/acre -----					
TX09CS031	1742	<b>1285</b>	<b>3413</b>	<b>6440</b>	.
LA07048-28	2091	<b>1361</b>	<b>2981</b>	<b>6433</b>	.
TX09CS1029	<b>2407</b>	<b>1253</b>	2724	<b>6383</b>	.
Okay	1873	<b>1481</b>	<b>2984</b>	<b>6338</b>	.
TX10CAS581	1960	<b>1525</b>	2757	<b>6242</b>	.
NF95418	1942	<b>1369</b>	2912	<b>6223</b>	.
LA02065-88	1862	<b>1547</b>	2811	<b>6219</b>	.
NF27	2084	<b>1405</b>	2658	<b>6147</b>	.
Cosaque*	<b>2646</b>	<b>1318</b>	2168	<b>6132</b>	.
RAM LA99016	<b>2439</b>	1089	2552	<b>6080</b>	<b>6155</b>
SS 76-50	2004	<b>1330</b>	2707	<b>6041</b>	5801
LA07048-19	1753	<b>1460</b>	2536	5748	.
TX10CAS279	1677	<b>1383</b>	2591	5652	.
FL0720-R6	2287	512	2420	5219	.
FL03254-L1	1699	686	2826	5211	.
LA06046SS-N2-Ab2	1786	730	2616	5132	.
LA07007-68	1634	283	2968	4885	5223
FL0720-R5	1982	436	1795	4213	.
FL0567-L1	1830	348	1836	4014	.
FL0772-R3	969	0 <sup>1</sup>	0 <sup>1</sup>	969	.
Average	1933	1040	2513	5486 <sup>2</sup>	5726
LSD at 10% Level	335	323	469	498	319
Std. Err. of Entry Mean	142	136	198	210	179

\* Black oat.

1. This variety was severely affected by extreme cold temperatures after first harvest.

2. C.V. = 7.7%, and df for EMS = 57.

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

Planted: October 31, 2013.

Seeding Rate: 30 seed per foot in 7-inch rows.

Soil Type: Greenville sandy loam.

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

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: 80 lb N/acre and 40 lb N/acre after first and second harvest.

Management: Disked and rototilled.

Previous Crop: Cotton.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

## Griffin, Georgia: Oat Forage Performance, 2013-2014

Brand-Variety	Dry Matter Yield				Cold Damage <sup>1</sup> %	Plant Stand <sup>2</sup> %
	Harvest Date		Season Totals			
	03-11-14	04-11-14	2014	2-Yr Avg		
	----- lb/acre -----					
NF95418	2222	<b>4203</b>	<b>6425</b>	<b>11794</b>	24	70
NF27	<b>2715</b>	3535	<b>6250</b>	<b>10555</b>	31	86
Okay	<b>2941</b>	3260	<b>6201</b>	.	24	89
TX10CAS581	1914	<b>3824</b>	5738	.	19	76
SS 76-50	1814	<b>3821</b>	5635	<b>10370</b>	21	76
Cosaque*	1749	3460	5209	.	23	92
RAM LA99016	1726	3264	4990	<b>11642</b>	33	85
LA07048-28	1458	3528	4986	.	23	75
LA07048-19	1408	3461	4869	.	29	77
LA02065-88	1480	3319	4799	.	21	89
TX09CS031	1362	3434	4796	.	20	87
TX10CAS279	1454	3336	4789	.	20	81
TX09CS1029	1665	2937	4602	.	25	89
FL0720-R6	1864	2280	4144	.	66	87
FL0720-R5	1282	2569	3851	.	66	79
LA06046SS-N2-Ab2	1051	2472	3522	.	61	77
FL03254-L1	925	2139	3065	.	70	72
LA07007-68	618	2036	2654	<b>8635</b>	80	89
FL0567-L1	1173	1296	2469	.	91	67
FL0772-R3	519	773	1292	.	96	21
Average	1567	2947	4514 <sup>3</sup>	10599	42	78
LSD at 10% Level	583	652	628	N.S. <sup>4</sup>	-	-
Std. Err. of Entry Mean	247	276	266	413	-	-

\* Black oat.

1. Percent foliage damage due to extreme cold temperatures (5° F on January 30, 2014).
2. Percent stand on April 11, 2014.
3. C.V. = 11.8%, and df for EMS = 57.
4. 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).

Planted: October 3, 2013.

Seeding Rate: 30 seed per foot in 7-inch rows.

Soil Type: Cecil sandy loam.

Soil Test: P = Low, K = High, and pH = 6.5.

Fertilization: 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 first harvest.

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control.

Previous Crop: Wheat.

Test conducted by J. Gassett, G. Ware, and H. Jordan.

## Marianna, Florida: Oat Forage Performance, 2013-2014

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	01-27-14	02-25-14	03-28-14	04-28-14	2014	2-Yr Avg
----- lb/acre -----						
NF95418	189	<b>1451</b>	<b>4286</b>	493	<b>6418</b>	.
LA07007-68	<b>688</b>	<b>1161</b>	3046	<b>1264</b>	<b>6159</b>	<b>6268</b>
RAM LA99016	92	<b>1585</b>	3888	572	<b>6136</b>	<b>5627</b>
FL03254-L1	566	<b>1439</b>	3060	935	<b>5999</b>	.
LA02065-88	143	<b>1372</b>	3663	791	<b>5969</b>	.
FL0720-R5	<b>761</b>	<b>1440</b>	2651	1022	5874	.
NF27	122	<b>1195</b>	<b>4000</b>	441	5758	.
FL0720-R6	<b>821</b>	<b>1369</b>	2596	952	5738	.
LA07048-28	149	<b>1447</b>	3359	706	5659	.
FL0772-R3	<b>839</b>	<b>1128</b>	2483	<b>1206</b>	5657	.
TX10CAS581	261	<b>1486</b>	3590	300	5636	.
TX09CS031	137	<b>1270</b>	3407	821	5635	.
LA06046SS-N2-Ab2	293	<b>1354</b>	3021	762	5429	.
TX10CAS279	155	<b>1257</b>	3456	512	5379	.
TX09CS1029	248	<b>1254</b>	3103	714	5318	.
LA07048-19	224	<b>1274</b>	3394	415	5306	.
Cosaque*	263	<b>1250</b>	3102	632	5247	.
Okay	110	<b>1431</b>	3409	285	5235	.
FL0567-L1	<b>810</b>	<b>1331</b>	2346	728	5214	.
Average	361	1342	3256	713	5672 <sup>1</sup>	5948
LSD at 10% Level	184	N.S. <sup>2</sup>	336	212	466	N.S.
Std. Err. of Entry Mean	78	101	142	90	197	147

\* Black oat.

1. C.V. = 6.9%, and df for EMS = 54.

2. 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).

Planted: October 23, 2013.

Seeding Rate: 30 seed per foot in 7-inch rows.

Soil Type: Chipola loamy sand.

Soil Test: P = Medium, K = High, and pH = 5.7.

Fertilization: Preplant: 30 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, 20 lb K<sub>2</sub>O and 28 lb S/acre.

Topdress: 50 lb N/acre after first, second, and third harvests.

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

Previous Crop: Corn.

Test conducted by J. Jones.

## Statewide Summary: Oat Forage Yields, 2013-2014 with Two- and Three-Year Averages

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
	2014	2-Yr Avg	3-Yr Avg	2014	2-Yr Avg	3-Yr Avg	2014	2-Yr Avg	3-Yr Avg	2014	2-Yr Avg	3-Yr Avg
	----- lb/acre -----											
Cosaque*	9080	.	.	<b>6132</b>	.	.	5209	.	.	6807	.	.
FL03254-L1	8199	.	.	5211	.	.	3065	.	.	5492	.	.
FL0567-L1	7992	.	.	4014	.	.	2469	.	.	4825	.	.
FL0720-R5	8550	.	.	4213	.	.	3851	.	.	5538	.	.
FL0720-R6	8320	.	.	5219	.	.	4144	.	.	5894	.	.
FL0772-R3	5342	.	.	969	.	.	1292	.	.	2534	.	.
LA02065-88	8863	.	.	<b>6219</b>	.	.	4799	.	.	6627	.	.
LA06046SS-N2-Ab2	8535	.	.	5132	.	.	3522	.	.	5730	.	.
LA07007-68	7060	6634	.	4885	5223	.	2654	<b>8635</b>	.	4866	<b>6830</b>	.
LA07048-19	8936	.	.	5748	.	.	4869	.	.	6518	.	.
LA07048-28	8950	.	.	<b>6433</b>	.	.	4986	.	.	6790	.	.
NF27	<b>9729</b>	<b>8094</b>	<b>7975</b>	<b>6147</b>	.	.	<b>6250</b>	<b>10555</b>	<b>9896</b>	<b>7375</b>	.	.
NF95418	<b>9709</b>	<b>8192</b>	<b>8126</b>	<b>6223</b>	.	.	<b>6425</b>	<b>11794</b>	<b>10630</b>	<b>7452</b>	.	.
Okay	<b>9600</b>	.	.	<b>6338</b>	.	.	<b>6201</b>	.	.	<b>7380</b>	.	.
RAM LA99016	9064	7341	7233	<b>6080</b>	<b>6155</b>	<b>6983</b>	4990	<b>11642</b>	<b>10689</b>	6711	<b>8379</b>	<b>8302</b>
SS 76-50	<b>9811</b>	<b>7808</b>	7519	<b>6041</b>	5801	<b>6950</b>	5635	<b>10370</b>	<b>9628</b>	<b>7162</b>	<b>7993</b>	<b>8032</b>
TX09CS031	8986	.	.	<b>6440</b>	.	.	4796	.	.	6741	.	.
TX09CS1029	8687	.	.	<b>6383</b>	.	.	4602	.	.	6557	.	.
TX10CAS279	8637	.	.	5652	.	.	4789	.	.	6359	.	.
TX10CAS581	9182	.	.	<b>6242</b>	.	.	5738	.	.	<b>7054</b>	.	.
Average	8662	7614	7713	5486	5726	6967	4514	10599	10210	6221	7734	8167
LSD at 10% Level	578	404	304	498	319	N.S. <sup>1</sup>	628	N.S.	N.S.	642	N.S.	N.S.
Std. Err. of Entry Mean	244	167	126	210	179	130	266	413	284	139	146	103

\* Black oat.

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).