

Oat

Tifton, Georgia: Oat Grain Performance, 2011-2012

Brand-Variety	Yield ¹		2012 Data						
	3-Year	2-Year	Rank	Yield ¹	Test			Head Date	Winter Survival
	Average	Average			Wt	Ht	Lodg.		
	-----	bu/acre	-----	bu/acre	lb/bu	in	%	mo/day	%
Gerard 224	124.3	114.3	8	95.0	33.5	47	0	03/20	95
Horizon 201	124.1	108.3	1	112.7	32.5	52	4	03/18	100
Horizon 270	118.3	108.5	13	79.6	33.4	40	0	03/19	100
Gerard 229	114.6	101.1	17	75.5	28.9	40	0	03/25	95
TAMO 406	113.3	101.4	3	100.5	34.2	46	9	03/19	90
SS76-40	95.3	92.0	15	78.3	33.8	44	0	03/20	95
Exp 76-50	.	113.8	2	108.0	32.2	44	0	03/18	95
LA05006GSBS-65-S1	.	106.0	5	96.0	34.4	47	0	03/20	100
NC07-3801	.	.	4	96.2	34.2	47	0	03/22	90
LA04004SBSB-7-B-S1	.	.	6	95.4	35.3	45	0	03/18	95
RAM LA99016	.	.	7	95.2	35.3	52	0	03/19	80
TAMO 411	.	.	9	80.9	32.8	44	0	03/19	95
FL06050-N2	.	.	10	80.5	28.8	51	0	03/23	100
LA05011GSBS-30	.	.	11	79.9	31.8	45	0	03/20	85
TX05CS542	.	.	12	79.7	29.6	47	3	03/17	100
Plot Spike LA9339	.	.	14	78.4	30.6	47	1	03/24	100
FL04179-L2	.	.	16	77.1	30.8	45	3	03/24	95
LA020265SBSBSBSB-88	.	.	18	70.1	33.0	45	0	03/17	85
FL02011	.	.	19	62.1	38.6	42	0	03/26	55
FL06107-N3	.	.	20	41.9	29.2	41	60	03/17	45
Average	115.0	105.7		84.1 ²	32.6	45	4	03/20	90
LSD at 10% Level	N.S. ²	N.S.		21.6	1.6	4	5	01	-
Std. Err. of Entry Mean	3.5	4.4		9.1	0.7	2	2	01	-

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.

2. C.V. = 21.7%, and df for EMS = 57.

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 15, 2011.

Harvested: May 18, 2012.

Seeding Rate: 11 seeds per 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 P₂O₅, and 50 lb K₂O/acre.

Topdress: 70 lb N/acre.

Management: Disked and rototilled; Harmony Extra used for weed control; Warrior used for insect control.

Previous Crop: Fallow.

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

Plains, Georgia: Oat Grain Performance, 2011-2012

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	2012 Data				
	3-Year Average	2-Year Average			Test Wt	Ht	Lodg.	Head Date	Winter Survival
	----- bu/acre	----- bu/acre			lb/bu	in	%	mo/day	%
Horizon 201	124.3	127.6	2	115.9	33.7	52	8	03/29	100
Gerard 224	113.0	113.1	9	103.1	34.8	47	15	04/01	100
Horizon 270	109.9	115.3	13	95.7	34.7	47	1	03/30	100
Gerard 229	109.8	111.1	7	105.0	32.1	41	5	04/02	100
TAMO 406	104.6	106.1	12	99.8	33.7	47	56	04/01	100
SS76-40	100.8	107.5	15	90.4	33.1	49	8	04/02	100
LA05006GSBS-65-S1	.	122.7	4	112.5	34.8	48	8	04/01	100
Exp 76-50	.	114.6	10	102.1	32.4	47	15	04/01	100
TX05CS542	.	.	1	126.4	34.1	50	3	03/25	100
FL06050-N2	.	.	3	113.9	32.3	48	30	04/02	100
LA04004SBSB-7-B-S1	.	.	5	108.7	36.7	48	1	03/30	100
LA05011GSBS-30	.	.	6	105.3	33.4	51	4	04/01	100
FL06107-N3	.	.	8	104.1	35.1	49	70	03/24	100
TAMO 411	.	.	11	101.4	34.8	45	0	04/01	100
Plot Spike LA9339	.	.	14	95.0	32.4	51	18	04/05	100
RAM LA99016	.	.	16	85.0	35.0	51	3	03/31	100
NC07-3801	.	.	17	77.8	34.4	49	30	04/02	100
FL04179-L2	.	.	18	76.5	30.7	48	53	04/02	100
FL02011	.	.	19	75.0	43.5	48	0	03/31	100
LA020265SBSBSBSB-88	.	.	20	74.5	34.0	50	3	03/31	100
Average	110.4	114.7		98.4 ²	34.3	48	16	03/31	100
LSD at 10% Level	8.3	N.S. ³		13.1	1.0	2	19	01	-
Std. Err. of Entry Mean	2.6	3.2		6.9	0.6	1	8	01	-

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.

2. C.V. = 11.2%, and df for EMS = 57.

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: December 2, 2011.

Harvested: May 25, 2012.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Greenville sandy loam.

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

Fertilization: Preplant: 15 lb N, 66 lb P₂O₅, and 18 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Disked, chisel plowed and rototilled; irrigated 1 inch on March 26, 2012.

Previous Crop: Peanuts.

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

Midville, Georgia: Oat Grain Performance, 2011-2012

Brand-Variety	Yield ¹		2012 Data						
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head	Winter
	Average	Average							
	-----	bu/acre	-----	bu/acre	lb/bu	in	%	mo/day	%
Gerard 229	72.6	92.8	2	112.7	31.4	40	12	03/26	100
Gerard 224	70.9	93.8	3	112.4	34.1	46	0	03/23	100
Horizon 270	66.1	82.5	9	94.2	32.7	43	7	03/23	100
TAMO 406	61.6	77.3	17	78.4	33.8	46	9	03/25	100
Horizon 201	57.0	73.1	15	81.3	31.1	51	15	03/22	100
Exp 76-50	.	95.8	1	120.1	31.8	46	2	03/23	100
SS76-40	.	89.2	8	97.6	32.8	45	4	03/25	100
LA05006GSBS-65-S1	.	78.4	12	86.4	26.4	47	9	03/25	100
LA05011GSBS-30	.	.	4	103.0	32.0	49	4	03/25	100
TAMO 411	.	.	5	100.5	33.4	45	3	03/23	100
LA04004SBSB-7-B-S1	.	.	6	98.4	33.9	44	3	03/23	100
FL04179-L2	.	.	7	98.3	30.4	46	8	03/28	100
LA020265SBSBSBSB-88	.	.	10	86.7	30.7	47	0	03/24	100
FL06107-N3	.	.	11	86.6	30.7	49	26	03/19	100
RAM LA99016	.	.	13	84.7	34.1	50	28	03/22	100
Plot Spike LA9339	.	.	14	83.1	29.7	47	15	03/28	100
TX05CS542	.	.	16	80.4	31.8	49	25	03/18	100
NC07-3801	.	.	18	67.1	32.6	47	24	03/28	100
FL06050-N2	.	.	19	60.8	30.1	48	40	03/27	100
FL02011	.	.	20	58.8	39.1	47	3	03/27	100
Average	65.6	85.4		89.6 ²	32.1	46	12	03/24	100
LSD at 10% Level	N.S. ³	N.S.		17.3	4.3	4	19	02	-
Std. Err. of Entry Mean	3.8	5.1		7.4	1.8	2	8	01	-

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.

2. C.V. = 16.4%, and df for EMS = 57.

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 18, 2011.

Harvested: May 22, 2012.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 30 lb N, 46 lb P₂O₅, and 120 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Disked, subsoiled and rototilled; Harmony Extra used for weed control.

Previous Crop: Peanuts.

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

Griffin, Georgia: Oat Grain Performance, 2011-2012

Brand-Variety	Yield ¹		2012 Data						
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head	Winter
	Average	Average							
----- bu/acre -----				lb/bu			mo/day	%	
Gerard 224	120.0	131.5	5	126.7	35.8	46	35	04/02	100
Horizon 270	119.0	124.1	6	121.8	34.4	43	60	03/28	90
Gerard 229	115.7	121.8	15 ^T	108.7	33.3	41	43	04/08	100
Horizon 201	113.0	124.2	3	143.7	34.1	52	38	03/29	100
TAMO 406	104.0	100.4	16	94.7	34.0	49	70	04/03	98
SS76-40	89.3	122.0	7	121.4	35.1	47	20	04/05	100
Exp 76-50	.	133.6	8	120.5	34.2	45	53	04/02	100
LA05006GSBS-65-S1	.	121.6	4	135.2	36.2	47	20	04/05	90
FL06050-N2	.	.	1	147.8	34.0	50	30	04/05	90
Plot Spike LA9339	.	.	2	146.1	35.0	51	13	04/16	98
TAMO 411	.	.	9	119.6	36.1	46	23	04/05	100
LA04004SBSB-7-B-S1	.	.	10	114.6	36.5	47	50	03/30	98
FL06107-N3	.	.	11	112.6	33.0	46	58	04/01	80
LA05011GSBS-30	.	.	12	111.8	33.7	49	43	04/06	100
TX05CS542	.	.	13	110.1	33.1	46	55	03/26	100
FL04179-L2	.	.	14	109.6	33.0	49	40	04/14	98
LA020265SBSBSBSB-88	.	.	15 ^T	108.7	34.1	48	5	04/04	95
FL02011	.	.	17	84.8	41.6	44	23	04/06	85
NC07-3801	.	.	18	84.1	35.6	51	43	04/05	100
Average	110.2	122.4		117.0 ²	34.9	47	38	04/04	96
LSD at 10% Level	N.S. ³	N.S.		10.7	0.8	2	14	02	-
Std. Err. of Entry Mean	2.8	3.1		4.5	0.3	1	6	01	-

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.

2. C.V. = 7.7%, and df for EMS = 54.

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 31, 2011.

Harvested: May 25, 2012.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Cecil sandy loam.

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

Fertilization: Preplant: 20 lb N, 40 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 65 lb N/acre.

Management: Chisel plowed, disked and rototilled; Harmony Extra used for weed control; Karate used for insect control; applied 1500 lb lime/acre.

Previous Crop: Fallow.

Test conducted by J. Gassett and G. Ware.

Calhoun, Georgia: Oat Grain Performance, 2011-2012

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	2012 Data				
	3-Year	2-Year			Test	Ht	Lodg.	Head	Winter
	Average	Average			Wt	in	%	Date	Survival
	-----	bu/acre	-----		lb/bu		%	mo/day	%
Horizon 201	131.6	138.5	1	113.6	32.7	50	8	03/30	100
Gerard 224	127.2	130.1	3	99.7	31.0	43	23	03/29	100
SS76-40	115.9	110.4	2	103.1	31.7	42	0	03/25	100
Gerard 229	107.0	111.1	15	72.9	30.4	39	18	04/07	100
Horizon 270	101.6	102.6	17	62.0	30.8	38	33	04/02	100
TAMO 406	98.5	98.0	12	75.9	31.0	45	50	03/29	100
Exp 76-50	.	110.3	4	97.2	29.9	43	35	03/26	100
LA05006GSBS-65-S1	.	102.7	9	83.7	33.8	42	3	04/07	100
FL06050-N2	.	.	5	87.7	31.4	48	28	04/03	100
Plot Spike LA9339	.	.	6	87.0	32.9	45	3	04/07	100
FL04179-L2	.	.	7	85.7	31.3	49	10	04/10	100
LA020265SBSBSBSB-88	.	.	8	83.9	32.5	49	15	03/30	100
NC07-3801	.	.	10	83.4	32.3	42	18	04/04	100
TX05CS542	.	.	11	76.9	29.6	44	20	03/31	100
LA04004SBSB-7-B-S1	.	.	13	74.1	34.1	43	38	03/31	100
TAMO 411	.	.	14	73.4	32.4	38	8	04/02	100
LA05011GSBS-30	.	.	16	66.9	30.4	48	23	04/07	100
FL06107-N3	.	.	18	48.4	30.3	39	43	03/28	100
FL02011	.	.	19	36.0	36.2	36	10	04/07	100
Average	113.6	113.0		79.5 ²	31.8	43	20	04/02	100
LSD at 10% Level	10.6	N.S. ³		19.6	1.1	5	17	04	-
Std. Err. of Entry Mean	4.3	7.3		8.3	0.5	2	7	02	-

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.

2. C.V. = 20.8%, and df for EMS = 54.

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: September 30, 2011.

Harvested: May 24, 2012.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Rome gravelly clay loam.

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

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.
 Topdress: 70 lb N/acre.

Management: Chisel plowed, disked and rototilled.

Previous Crop: Fallow.

Test conducted by J. Gassett, G. Ware and J. Stubbs.

Summary of Oat Yields: Georgia, 2011-2012 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide ⁴		
	3-Year Average ⁵	2-Year Average ⁶	2012	3-Year Average	2-Year Average	2012	3-Year Average	2-Year Average	2012
	----- bu/acre -----								
Exp 76-50	.	108.1	110.1	.	121.9	108.8	.	113.6	109.6
FL02011	.	.	65.3	.	.	60.4	.	.	63.3
FL04179-L2	.	.	84.0	.	.	97.6	.	.	89.4
FL06050-N2	.	.	85.1	.	.	117.7	.	.	98.1
FL06107-N3	.	.	77.5	.	.	80.5	.	.	78.7
Gerard 224	112.5	107.1	103.5	123.6	130.8	113.2	117.2	116.6	107.4
Gerard 229	107.4	101.7	97.7	111.4	116.4	90.8	109.1	107.6	95.0
Horizon 201	111.4	103.0	103.3	122.3	131.3	128.6	116.1	114.3	113.4
Horizon 270	106.2	102.1	89.8	110.3	113.4	91.9	108.0	106.6	90.6
LA020265SBSBSBSB-88	.	.	77.1	.	.	96.3	.	.	84.8
LA04004SBSB-7-B-S1	.	.	100.8	.	.	94.3	.	.	98.2
LA05006GSBS-65-S1	.	102.4	98.3	.	112.1	109.4	.	106.3	102.7
LA05011GSBS-30	.	.	96.0	.	.	89.4	.	.	93.4
NC07-3801	.	.	80.4	.	.	83.7	.	.	81.7
Plot Spike LA9339	.	.	85.5	.	.	116.5	.	.	97.9
RAM LA99016	.	.	88.3
SS76-40	95.8	96.2	88.8	102.6	116.2	112.3	98.7	104.2	98.2
TAMO 406	101.1	94.9	92.9	101.3	99.2	85.3	101.1	96.6	89.8
TAMO 411	.	.	94.2	.	.	96.5	.	.	95.1
TX05CS542	.	.	95.5	.	.	93.5	.	.	94.7
Average	105.7	101.9	90.7	111.9	117.7	98.2	108.4	108.2	93.8
LSD at 10% Level	4.9	N.S. ⁷	10.1	N.S.	11.7	13.8	5.0	5.8	8.2
Std. Err. of Entry Mean	2.1	2.6	4.3	4.2	5.0	5.9	2.1	2.5	3.5

1. Yields calculated at 32 pounds per bushel at 12.5% moisture.
2. Tifton, Plains, and Midville.
3. Griffin and Calhoun.
4. All five sites except Midville 2010.
5. Midville not included in 2010, Tifton and Plains only.
6. Tifton, Plains and Midville 2011, 2012.
7. 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).