

## Plains, Georgia: Spring Canola Variety Trial, 2007-2008

Company or Brand Name	Variety	Yield <sup>1</sup>			Fatty Acid Profile <sup>2</sup>			Plant					
		2008	2-Yr Avg lb/A	3-Yr Avg	Oil %	Oleic %	Linolenic %	Bloom date	Maturity date	Ht. in	Lodg. <sup>3</sup> rating	Stand <sup>4</sup> rating	Shatter <sup>5</sup> %
UGA	G03036.D3	<b>1829</b>	<b>1874</b>	<b>2167</b>	.	62.3	9.8	02/27	05/10	51	1.8	1.0	6
UGA	G04034	<b>1758</b>	<b>1813</b>	<b>2164</b>	.	63.0	9.0	03/09	05/13	57	2.3	1.0	8
UGA	G04060	<b>1722</b>	.	.	.	70.6	3.5	03/08	05/15	58	1.9	1.0	11
UGA	G04059	1363	.	.	.	69.8	3.3	03/09	05/12	53	2.2	1.0	9
UGA	G04033	1341	1486	1959	.	63.4	8.9	03/05	05/12	53	2.3	1.0	13
UGA	G04038.P4.P3	1256	.	.	.	69.2	3.4	03/03	05/08	55	3.6	1.0	11
UGA	511.P11.P8.P4	1213	.	.	.	69.1	2.3	03/09	05/10	56	1.4	1.0	27
UGA	G01114.2	1149	.	.	.	64.6	4.7	03/02	05/10	53	3.1	1.0	15
UGA	G04035	1128	1450	1841	.	64.6	8.1	03/17	05/18	57	1.4	1.0	7
Plantation Seeds	Flint	1122	1306	1849	.	64.8	8.7	03/06	05/12	58	1.6	1.0	23
UGA	G04031	1081	1444	1832	.	63.8	8.1	03/03	05/08	51	1.9	1.0	21
UGA	P01.772.P7.P9.1	1079	.	.	.	68.3	2.2	03/05	05/09	52	2.7	1.0	18
UGA	528.33.5.P4.P8	1051	.	.	.	68.3	3.1	03/05	05/11	52	2.6	1.0	19
UGA	15F7.2.A81.5DH1	974	.	.	.	67.9	2.7	03/09	05/08	52	2.1	1.0	23
UGA	Roy	883	.	.	.	66.4	4.9	02/26	05/07	53	3.6	1.0	15
UGA	G04023.D5	857	.	.	.	67.6	3.3	02/28	05/03	49	2.6	1.0	11
UGA	P01114.5.9	713	.	.	.	66.6	4.1	02/26	05/01	46	3.0	1.0	15
UGA	P01.772.P7.P9.9	699	.	.	.	68.8	2.7	03/01	05/05	47	2.2	1.0	15
UGA	G04052.D4	680	.	.	.	65.5	3.9	02/26	05/01	48	3.3	1.0	15
UGA	4C4..P9.P1	551	.	.	.	66.2	4.0	03/02	05/07	48	1.9	2.5	39
Croplan Genetics	Oscar	523	989	1491	.	60.8	9.3	02/26	05/03	44	2.3	1.6	26
UGA	P01114.5.15	481	.	.	.	66.7	3.8	03/01	05/03	47	2.7	1.0	21
UGA	P01114.5.5	439	.	.	.	65.0	4.8	03/05	05/06	50	3.4	1.0	28
UGA	P01114.5.14	417	.	.	.	64.3	3.9	03/08	05/08	51	2.5	1.5	58
UGA	P01.772.P7.P9.8	396	.	.	.	67.5	3.0	03/03	05/01	50	3.8	1.0	20
Bonis	LoLinda	370	.	.	.	67.1	2.6	03/09	05/07	47	3.4	1.6	16
Average		964 <sup>6</sup>	1480	1900	.	66.2	4.9	03/04	05/08	51	2.5	1.1	19
LSD at 10% Level		246	176	158	.	2.8	1.0	04	02	3	0.9	0.6	7
Std. Err. of Entry Mean		104	74	67	.	1.1	0.4	01	01	1	0.4	0.3	3

1. Yields calculated as 50 lb/bu at 8.5% moisture.
2. Expressed as a percentage of the total fatty acids.
3. Lodging rating: 1.0 = all plants erect to 5.0 = over 80% of plants down.
4. Stand rating: 1.0 = excellent to 5.0 = very poor.
5. Estimated yield lost to shattering.
6. C.V. = 21.8%, and df for EMS = 75.

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

Planted: October 31, 2008.

Harvested: May 22, 2008.

Seeding Rate: 3 lb/acre in 7" rows.

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = High, and pH = 6.3.

Fertilization: Preplant: 50 lb N/acre.

Topdress: 100 lb N/acre on January 29, 2008.

Management: Disked, subsoiled, and bedded; Treflan at 1 pt/acre used for preplant weed control; irrigated 3 times for total of 2.1 inches to establish stand.

Previous Crop: Peanut.

Test conducted by R. R. Pines and P. L. Raymer.

## Tifton, Georgia: Spring Canola Variety Trial, 2007-2008

Company or Brand Name	Variety	Yield <sup>1</sup>			Fatty Acid Profile <sup>2</sup>			Bloom date	Maturity date	Plant			
		2008	2-Yr Avg lb/A	3-Yr Avg	Oil %	Oleic %	Linolenic %			Ht. in	Lodg. <sup>3</sup> rating	Stand <sup>4</sup> rating	Shatter <sup>5</sup> %
UGA	G03036.D3	<b>3160</b>	<b>3332</b>	<b>3274</b>	.	63.6	8.5	03/05	05/04	54	1.0	1.0	0
UGA	G04033	2683	2866	2993	.	65.1	8.0	03/12	05/08	59	1.0	1.0	0
UGA	G04034	2652	2808	2874	.	63.2	9.1	03/15	05/09	62	1.0	1.3	0
UGA	G04031	2553	2577	2648	.	62.7	8.5	03/08	05/05	53	1.0	1.0	0
UGA	G04023.D5	2372	.	.	.	67.5	3.6	03/06	05/03	56	1.0	1.0	0
Plantation Seeds	Flint	2291	2501	2599	.	65.2	8.2	03/10	05/08	56	1.0	1.0	0
UGA	G04060	2247	.	.	.	70.1	3.3	03/16	05/08	61	1.0	1.0	0
UGA	G01114.2	2232	.	.	.	66.5	5.8	03/09	05/06	58	1.0	1.8	0
UGA	G04038.P4.P3	2203	.	.	.	70.6	2.7	03/09	05/07	57	1.0	1.3	0
Croplan Genetics	Oscar	2059	2203	2203	.	59.5	9.4	03/05	05/03	53	1.0	1.5	0
UGA	528.33.5.P4.P8	2057	.	.	.	69.7	2.6	03/11	05/08	57	1.0	1.5	0
DSV	H7027	1879	.	.	.	61.6	10.4	03/09	05/06	61	1.0	1.0	0
UGA	G04059	1838	.	.	.	68.6	4.8	03/13	05/08	61	1.0	1.5	0
UGA	P01.772.P7.P9.9	1762	.	.	.	69.2	2.8	03/07	05/05	51	1.0	2.0	0
DSV	H7383	1750	.	.	.	63.2	9.5	03/08	05/05	62	1.0	1.0	0
UGA	511.P11.P8.P4	1742	.	.	.	69.4	2.8	03/21	05/09	58	1.0	1.0	0
DSV	H7043	1692	.	.	.	61.4	9.7	03/09	05/05	63	1.0	1.0	0
UGA	Roy	1660	.	.	.	67.0	4.7	03/06	05/06	58	1.0	1.0	0
UGA	G04052.D4	1652	.	.	.	68.7	4.8	03/03	05/02	51	1.0	1.3	0
UGA	P01114.5.9	1540	.	.	.	68.6	4.3	03/04	05/01	49	1.0	1.0	0
UGA	P01.772.P7.P9.1	1530	.	.	.	68.5	2.4	03/10	05/07	55	1.0	1.8	0
UGA	P01114.5.5	1434	.	.	.	69.0	3.3	03/09	05/06	54	1.0	1.3	0
UGA	15F7.2.A81.5DH1	1422	.	.	.	67.8	2.9	03/17	05/07	55	1.0	1.8	0
UGA	G04035	1406	1993	2270	.	64.7	8.3	03/22	05/12	64	1.0	1.0	0
UGA	4C4..P9.P1	1383	.	.	.	67.6	3.7	03/08	05/05	54	1.0	1.5	0
Bonis	LoLinda	1292	.	.	.	65.2	3.7	03/12	05/06	56	1.0	1.3	0
UGA	P01.772.P7.P9.8	1210	.	.	.	70.4	3.1	03/10	05/04	51	1.0	2.5	0
Average		1915 <sup>6</sup>	2612	2694	.	66.5	5.6	03/10	05/06	56	1.0	1.3	0
LSD at 10% Level		211	225	226	.	1.5	1.0	06	02	3	-	0.5	-
Std. Err. of Entry Mean		90	94	95	.	0.6	0.4	03	01	1	-	0.1	-

1. Yields calculated as 50 lb/bu at 8.5% moisture.
2. Expressed as a percentage of the total fatty acids.
3. Lodging rating: 1.0 = all plants erect to 5.0 = over 80% of plants down.
4. Stand rating: 1.0 = excellent to 5.0 = very poor.
5. Estimated yield lost to shattering.
6. C.V. = 9.5%, 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: November 20, 2007.  
 Harvested: June 3, 2008.  
 Seeding Rate: 3 lb/acre in 7" rows.  
 Soil Type: Tifton loamy sand.  
 Soil Test: P = Medium, K = Medium, and pH = 6.4.  
 Fertilization: Preplant: 80 lb N, 4- lb P<sub>2</sub>O<sub>5</sub>, and 60 lb K<sub>2</sub>O/acre.  
 Topdress: 120 lb N/acre.  
 Management: V-ripped tilled and rototilled; Treflan used for weed control.  
 Previous Crop: Small grain.

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

## Average Performance of State Spring Canola Lines at Two Georgia Locations<sup>1</sup>, 2007-2008

Company or Brand Name	Variety	Yield <sup>2</sup> lb/A	Oil %	Fatty Acid Profile <sup>3</sup>			Bloom date	Maturity date	Plant			
				Oleic %	Linolenic %	Ht. in			Lodg. <sup>4</sup> rating	Stand <sup>5</sup> rating	Shatter <sup>6</sup> %	
UGA	G03036.D3	<b>2495</b>	.	63.0	9.1	03/02	05/07	52	1.4	1.0	3	
UGA	G04034	2205	.	63.1	9.1	03/12	05/11	59	1.7	1.1	4	
UGA	G04033	2012	.	64.3	8.5	03/08	05/11	56	1.7	1.0	6	
UGA	G04060	1984	.	70.4	3.4	03/12	05/12	59	1.5	1.0	6	
UGA	G04031	1816	.	63.3	8.3	03/06	05/07	52	1.4	1.0	11	
UGA	G04038.P4.P3	1729	.	69.9	3.0	03/06	05/08	56	2.3	1.1	6	
Plantation Seeds	Flint	1706	.	65.0	8.5	03/08	05/10	57	1.3	1.0	11	
UGA	G01114.2	1691	.	65.5	5.2	03/06	05/08	55	2.0	1.4	8	
UGA	G04023.D5	1614	.	67.5	3.5	03/03	05/04	53	1.8	1.0	6	
UGA	G04059	1601	.	69.2	4.1	03/11	05/10	57	1.6	1.3	4	
UGA	528.33.5.P4.P8	1554	.	69.0	2.9	03/08	05/10	54	1.8	1.3	9	
UGA	511.P11.P8.P4	1478	.	69.2	2.6	03/15	05/10	57	1.2	1.0	13	
UGA	P01.772.P7.P9.1	1304	.	68.4	2.3	03/07	05/08	53	1.8	1.4	9	
Croplan Genetics	Oscar	1291	.	60.1	9.4	03/02	05/03	48	1.6	1.6	13	
UGA	Roy	1271	.	66.7	4.8	03/02	05/07	55	2.3	1.0	8	
UGA	G04035	1267	.	64.7	8.2	03/20	05/15	61	1.2	1.0	3	
UGA	P01.772.P7.P9.9	1230	.	69.0	2.8	03/04	05/06	49	1.6	1.5	8	
UGA	15F7.2.A81.5DH1	1198	.	67.9	2.8	03/13	05/08	53	1.6	1.4	11	
UGA	G04052.D4	1166	.	67.1	4.3	03/01	05/02	49	2.1	1.1	8	
UGA	P01114.5.9	1127	.	67.6	4.2	03/01	05/01	47	2.0	1.0	8	
UGA	4C4..P9.P1	967	.	66.9	3.9	03/05	05/06	51	1.4	2.0	19	
UGA	P01114.5.5	937	.	67.0	4.1	03/07	05/06	52	2.2	1.1	14	
Bonis	LoLinda	831	.	66.1	3.2	03/11	05/07	52	2.2	1.4	8	
UGA	P01.772.P7.P9.8	803	.	69.0	3.0	03/06	05/03	51	2.4	1.8	10	
Average		1470 <sup>7</sup>	.	66.7	5.0	03/07	05/08	54	1.7	1.2	8	
LSD at 10% Level		162		1.2	0.7	02	01	2	N.S. <sup>8</sup>	N.S.	4	
Std. Err. of Entry Mean		69		0.5	0.3	01	01	1	0.2	0.2	1.5	

1. Plains and Tifton.

2. Yields calculated as 50 lb/bu at 8.5% moisture.

3. Expressed as a percentage of the total fatty acids.

4. Lodging rating: 1.0 = all plants erect to 5.0 = over 80% of plants down.

5. Stand rating: 1.0 = excellent to 5.0 = very poor.

6. Estimated yield lost to shattering.

7. C.V. = 13.3%, and df for EMS = 138.

8. The F-test indicated no statistical difference at the alpha = .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).