

## Plains, Georgia: Spring Canola Variety Trial, 2006-2007

Company or Brand Name	Variety	Yield <sup>1</sup>			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodging rating <sup>2</sup>
		2007	2-Year Average lb/A	3-Year Average					
UGA	G03036.D3	<b>1920</b>	<b>2336</b>	.	37.0	03/05	05/05	51	1.1
UGA	G04034	<b>1868</b>	<b>2367</b>	<b>2275</b>	38.1	03/06	05/09	58	1.3
UGA	G04031	<b>1807</b>	<b>2207</b>	<b>2413</b>	40.3	03/08	05/06	55	1.0
UGA	G04035	<b>1772</b>	<b>2197</b>	<b>2222</b>	37.8	03/09	05/11	56	1.7
UGA	G04033	1631	<b>2269</b>	<b>2361</b>	38.6	03/09	05/11	60	1.7
UGA	G04070	1594	<b>2191</b>	<b>2273</b>	40.4	03/06	05/06	53	1.2
UGA	G04068	1562	<b>1937</b>	.	39.5	02/28	05/04	48	1.0
Plantation Seeds	Flint	1491	<b>2212</b>	<b>2255</b>	37.7	03/10	05/10	56	1.0
Croplan Genetics	Oscar	1455	<b>1975</b>	<b>1943</b>	37.0	03/02	05/04	48	1.1
UGA	G04067	1383	<b>2116</b>	<b>2070</b>	39.2	03/07	05/06	51	1.1
UGA	G02088.D5	1380	<b>1891</b>	.	36.6	02/25	05/04	47	1.3
UGA	G02075	1355	<b>2075</b>	<b>2212</b>	37.5	03/10	05/13	57	1.1
UGA	G04083.D1	1291	<b>1755</b>	.	39.2	02/27	05/02	41	1.3
UGA	G04090	1091	<b>1875</b>	.	37.8	03/08	05/08	53	1.1
Average		1543 <sup>3</sup>	2100	2225	38.3	03/05	05/07	52	1.2
LSD at 10% Level		202	N.S. <sup>4</sup>	N.S.	2.0	04	01	3	N.S.
Std. Err. of Entry Mean		84	76	78	0.8	02	01	1	0.2

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

2. Rating: 1.0 = all plants erect to 5.0 = 80% plants lodged.

3. C.V. = 11.0%, and df for EMS = 39.

4. 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).

Planted: November 2, 2007.

Harvested: May 21, 2007.

Seeding Rate: 5 lb/acre in 7" rows.

Soil Type: Greenville sandy clay loam.

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

Fertilization: Preplant: 66 lb N, 88 lb P<sub>2</sub>O<sub>5</sub>, and 24 lb K<sub>2</sub>O/acre.

Topdress: 100 lb N/acre on

Management: Disked, subsoiled and bedded; Treflan used for preplant weed control; irrigated 0.5 inch to establish stand, irrigated 1.0 inch on March 27, 2007 due to prolonged drought.

Previous Crop: Corn.

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

## Tifton, Georgia: Spring Canola Variety Trial, 2006-2007

Company or Brand Name	Variety	Yield <sup>1</sup>			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodging rating
		2007	2-Year Average lb/A	3-Year Average					
UGA	G03036.D3	<b>3505</b>	<b>3331</b>	.	38.8	03/05	05/02	60	1.0
UGA	G04033	<b>3049</b>	<b>3148</b>	<b>3224</b>	39.8	03/11	05/09	65	1.0
UGA	G04034	2964	2985	<b>3062</b>	40.0	03/11	05/09	65	1.0
UGA	G02088.D5	2859	2787	.	38.8	02/28	04/28	54	1.0
UGA	G04067	2741	2842	2837	42.1	03/11	05/04	55	1.0
Plantation Seeds	Flint	2711	2754	2627	39.6	03/12	05/10	62	1.0
UGA	G04031	2602	2695	2666	41.4	03/12	05/08	64	1.0
UGA	G02075	2594	2881	<b>3096</b>	40.3	03/11	05/08	62	1.0
UGA	G04035	2581	2702	2700	40.1	03/12	05/09	63	1.0
UGA	G04068	2507	2666	.	42.3	03/02	04/26	56	1.0
UGA	G04083.D1	2375	2579	.	42.8	02/25	04/26	54	1.0
Croplan Genetics	Oscar	2348	2275	2332	40.7	03/01	04/29	54	1.0
UGA	G04070	2337	2607	2578	43.0	03/06	05/03	60	1.0
UGA	G04090	2319	2453	.	40.3	03/06	05/07	64	1.0
Average		2678 <sup>2</sup>	2765	2791	40.7	03/07	05/04	60	1.0
LSD at 10% Level		462	306	244	1.4	02	03	4	-
Std. Err. of Entry Mean		194	225	104	0.5	01	01	2	-

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

2. C.V. = 14.5%, and df for EMS = 39.

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

Planted: November 9, 2007.

Harvested: May 22, 2006.

Seeding Rate: 5 lb/acre in 7" rows.

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 40 lb N, 40 lb P<sub>2</sub>O<sub>5</sub>, and 40 lb K<sub>2</sub>O/acre.

Topdress: 100 lb N/acre on

Management: Subsoiled and rototilled; Treflan used for weed control; Warriar used for insect control.

Previous Crop: Wheat.

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>, 2006-2007

Company or Brand Name	Variety	Yield <sup>2</sup>			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodging rating <sup>3</sup>
		2007	2-Year Average lb/A	3-Year Average					
UGA	G03036.D3	<b>2712</b>	<b>2834</b>	.	37.9	03/05	05/04	56	1.0
UGA	G04034	2416	<b>2676</b>	<b>2668</b>	39.1	03/09	05/09	61	1.2
UGA	G04033	2340	<b>2708</b>	<b>2793</b>	39.2	03/11	05/11	62	1.3
UGA	G04031	2204	2451	2539	40.8	03/11	05/08	60	1.0
UGA	G04035	2176	2449	2461	38.9	03/11	05/10	59	1.4
UGA	G02088.D5	2119	2339	.	37.7	02/27	05/01	50	1.1
Plantation Seeds	Flint	2101	2483	2441	38.6	03/12	05/10	59	1.0
UGA	G04067	2062	2479	2453	40.7	03/09	05/05	53	1.1
UGA	G04068	2034	2301	.	40.9	03/01	05/01	52	1.0
UGA	G02075	1975	2478	<b>2654</b>	38.9	03/11	05/11	59	1.1
UGA	G04070	1966	2399	2426	41.7	03/06	05/05	57	1.1
Croplan Genetics	Oscar	1902	2125	2137	38.8	03/02	05/02	51	1.1
UGA	G04083.D1	1833	2167	.	41.0	02/26	04/29	47	1.2
UGA	G04090	1705	2164	.	39.0	03/08	05/08	58	1.0
Average		2110 <sup>4</sup>	2432	2508	39.5	03/07	05/06	56	1.1
LSD at 10% Level		249	175	150	1.2	02	01	3	N.S. <sup>5</sup>
Std. Err. of Entry Mean		106	75	64	0.5	01	01	1	0.1

1. Plains and Tifton

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

3. Rating: 1.0 = all plants erect to 5.0 = 80% plants lodged.

4. C.V. = 14.2%, and df for EMS = 78.

5. 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).