

## Plains, Georgia: Spring Canola Variety Trial, 2005-2006

Company or Brand Name	Variety	Yield <sup>1</sup>			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodg. <sup>2</sup> rating	Winter	
		2006	2-Year Average lb/A	3-Year Average						Survival %	Shatter <sup>3</sup> %
Plantation Seeds	Flint	<b>2934</b>	<b>2637</b>	<b>3141</b>	40.6	03/02	05/08	63	1.4	100	0.8
UGA	G04033	<b>2907</b>	<b>2726</b>	<b>3322</b>	42.8	02/28	05/08	62	1.4	100	0.0
UGA	G04034	<b>2866</b>	<b>2479</b>	3037	40.9	03/01	05/09	64	1.9	100	0.5
UGA	G04067	<b>2850</b>	<b>2413</b>	.	42.3	02/27	05/03	57	1.2	100	0.0
UGA	G02075	<b>2794</b>	<b>2641</b>	3055	41.6	03/04	05/10	60	1.5	100	0.0
UGA	G04070	<b>2788</b>	<b>2613</b>	.	42.4	02/24	05/05	59	1.5	100	1.0
UGA	G03036.D3	<b>2753</b>	.	.	39.7	02/24	05/04	59	1.3	100	0.0
UGA	G04090	<b>2659</b>	.	.	40.7	02/28	05/05	59	1.1	100	0.0
UGA	G04035	2621	<b>2447</b>	2816	40.4	03/06	05/11	64	1.2	100	0.5
UGA	G04031	2607	<b>2716</b>	2934	42.1	03/01	05/05	60	1.6	100	0.0
UGA	G04083	2601	.	.	41.1	02/18	05/01	53	2.0	100	2.4
UGA	G04072	2541	<b>2388</b>	.	41.3	02/24	05/03	55	1.7	100	0.7
UGA	G03027	2509	.	.	41.2	02/25	05/05	54	2.2	100	1.3
UGA	G04074	2507	<b>2436</b>	.	41.8	02/23	05/04	61	1.1	100	0.7
Croplan Genetics	Oscar	2496	<b>2186</b>	2446	38.8	02/25	05/04	57	1.3	100	1.0
UGA	G04029.D3	2445	.	.	40.2	02/25	05/07	59	2.5	100	1.8
UGA	G02088.D1	2409	.	.	38.8	02/24	05/03	55	1.6	100	0.5
UGA	G02088.D5	2402	.	.	40.8	02/23	05/04	56	3.3	100	1.3
UGA	G03002.D4	2339	.	.	38.3	02/20	05/03	56	3.2	100	0.7
UGA	G04029.D2	2319	.	.	42.5	02/17	05/02	52	1.6	100	8.8
UGA	G04068	2312	.	.	41.9	02/19	05/01	54	2.2	100	2.4
UGA	G02088.D3	2225	.	.	38.7	02/20	05/02	51	1.9	100	2.4
UGA	G04083.D1	2218	.	.	41.2	02/17	04/30	49	1.2	100	1.8
UGA	G04083.D3	2178	.	.	42.0	02/17	04/30	46	1.2	100	0.7
UGA	G04029.D4	2127	.	.	38.9	02/18	05/03	51	2.6	100	2.5
UGA	G04077	2111	<b>2117</b>	.	41.4	02/22	05/05	54	2.1	100	1.8
Average		2520 <sup>4</sup>	2483	2964	40.8	02/24	05/04	56	1.8	100	1.3
LSD at 10% Level		282	N.S. <sup>5</sup>	220	1.9	02	02	3	0.6	-	1.9
Std. Err. of Entry Mean		120	104	93	0.8	01	01	1	0.2	-	0.8

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

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

3. Estimated yield lost to shattering.

4. C.V. = 9.5%, and df for EMS = 75.

5. The F-test indicated no statistical difference at the alpha = .10 probability level; therefore, a LSD value was not

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

Planted: November 3, 2005.

Harvested: May 17, 2006.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = Medium, K = High, and pH = 6.1.

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 February 20, 2006.

Management: Disked, subsoiled, and bedded; Treflan used for preplant weed control; irrigated 2 times for a total of 1.0 inch to establish stand; Dimethoate used for aphid control on December 12, 2005.

Previous Crop: Corn.

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

## Tifton, Georgia: Spring Canola Variety Trial, 2005-2006

Company or Brand Name	Variety	Yield <sup>1</sup>			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodg. <sup>2</sup> rating	Winter	
		2006	2-Year Average lb/A	3-Year Average						Survival %	Shatter <sup>3</sup> %
UGA	G04033	<b>3248</b>	<b>3312</b>	<b>3639</b>	43.2	03/09	05/12	53	1.0	100	0.0
UGA	G02075	<b>3167</b>	<b>3346</b>	<b>3580</b>	36.7	03/13	05/15	61	1.0	100	1.3
UGA	G03036.D3	<b>3158</b>	.	.	37.3	03/11	05/10	55	1.0	100	0.0
UGA	G04034	<b>3006</b>	<b>3111</b>	<b>3546</b>	39.6	03/09	05/12	55	1.0	100	0.0
UGA	G04067	<b>2944</b>	2885	.	38.7	03/07	05/08	52	1.0	100	0.0
UGA	G04070	<b>2877</b>	2698	.	38.4	03/08	05/10	54	1.0	100	0.0
UGA	G04068	2825	.	.	40.8	03/04	05/08	49	1.0	100	0.0
UGA	G04035	2823	2759	3087	38.8	03/14	05/14	63	1.0	100	0.0
Plantation Seeds	Flint	2796	2585	3126	40.5	03/14	05/14	58	1.0	100	0.0
UGA	G04031	2789	2698	3053	40.6	03/12	05/12	57	1.0	100	1.3
UGA	G04029.D3	2789	.	.	38.5	03/09	05/10	56	1.0	100	1.3
UGA	G04083.D1	2783	.	.	38.8	03/04	05/07	48	1.0	100	0.0
UGA	G04083	2731	.	.	39.7	03/06	05/07	47	1.0	100	0.0
UGA	G02088.D5	2716	.	.	35.1	03/09	05/08	49	1.0	100	2.5
UGA	G04072	2591	2528	.	40.8	03/07	05/08	51	1.0	100	0.0
UGA	G04090	2586	.	.	40.5	03/11	05/11	53	1.0	100	0.0
UGA	G03027	2571	.	.	42.8	03/12	05/14	52	1.0	100	1.3
UGA	G04029.D4	2566	.	.	37.3	03/08	05/11	46	1.0	100	0.0
UGA	G04029.D2	2553	.	.	36.0	03/05	05/07	44	1.0	100	0.0
UGA	G03002.D4	2497	.	.	38.8	03/07	05/09	49	1.0	100	0.0
UGA	G04077	2457	2236	.	39.1	03/09	05/09	52	1.0	100	0.0
UGA	G04074	2430	2573	.	38.9	03/11	05/11	53	1.0	100	1.3
UGA	G02088.D1	2427	.	.	38.9	03/09	05/11	48	1.0	100	0.0
UGA	G02088.D3	2325	.	.	39.1	03/07	05/08	47	1.0	100	0.0
UGA	G04083.D3	2278	.	.	38.9	03/02	05/05	44	1.0	100	0.0
Croplan Genetics	Oscar	2202	2323	2897	39.8	03/05	05/07	46	1.0	100	0.0
UGA	Roy	2186	.	.	40.5	03/07	05/10	56	1.0	100	1.3
Average		2678 <sup>4</sup>	2755	3275	39.2	03/08	05/10	52	1.0	100	0.4
LSD at 10% Level		386	282	232	3.0	02	02	3	-	-	N.S. <sup>5</sup>
Std. Err. of Entry Mean		164	119	98	1.2	01	01	1	-	-	0.6

1. Yields calculated as 50 lb/bu at 8.5% moisture.
2. Lodging rating: 1.0 = all plants erect to 5.0 = over 80% of plants down.
3. Estimated yield lost to shattering.
4. C.V. = 12.2%, and df for EMS = 75.
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).

Planted: November 18, 2005  
 Harvested: May 24, 2006.  
 Seeding Rate: 5 lb/acre in 7" rows.  
 Soil Type: Tifton loamy sand  
 Soil Test: P = Medium, K = Medium, and pH = 6.2.  
 Fertilization: Preplant: 60 lb N, 60 lb P<sub>2</sub>O<sub>5</sub>, and 60 lb K<sub>2</sub>O/acre.  
 Topdress: 120 lb N/acre.  
 Management: Paratilled and rototilled; Poast used for weed control.  
 Previous Crop: Oats - summer fallow.

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

## Average Performance of State Spring Canola Lines at Two Georgia Locations<sup>1</sup>, 2005-2006

Company or Brand Name	Variety	Yield <sup>2</sup>			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodg. <sup>3</sup> rating	Winter Survival %	Shatter <sup>4</sup> %
		2006	2-Year Average lb/A	3-Year Average							
UGA	G04033	<b>3077</b>	<b>3019</b>	<b>3480</b>	43.0	03/05	05/11	57	1.2	100	0.0
UGA	G02075	<b>2981</b>	<b>2994</b>	3318	39.1	03/09	05/13	61	1.2	100	0.6
UGA	G03036.D3	<b>2955</b>	.	.	38.5	03/04	05/07	57	1.2	100	0.0
UGA	G04034	<b>2936</b>	2795	3291	40.2	03/06	05/11	59	1.5	100	0.3
UGA	G04067	<b>2897</b>	2649	.	40.5	03/03	05/06	54	1.1	100	0.0
Plantation Seeds	Flint	<b>2865</b>	2611	3133	40.6	03/09	05/11	60	1.2	100	0.4
UGA	G04070	2832	2656	.	40.4	03/03	05/08	56	1.2	100	0.5
UGA	G04035	2722	2603	2952	39.6	03/11	05/13	63	1.1	100	0.3
UGA	G04031	2698	2707	2994	41.3	03/07	05/09	59	1.3	100	0.6
UGA	G04083	2666	.	.	40.4	02/26	05/05	50	1.5	100	1.2
UGA	G04090	2622	.	.	40.6	03/06	05/08	56	1.1	100	0.0
UGA	G04029.D3	2617	.	.	39.3	03/04	05/09	58	1.8	100	1.5
UGA	G04068	2569	.	.	41.3	02/26	05/05	51	1.6	100	1.2
UGA	G04072	2566	2458	.	41.0	03/02	05/06	53	1.4	100	0.4
UGA	G02088.D5	2559	.	.	37.9	03/02	05/06	52	2.1	100	1.9
UGA	G03027	2540	.	.	42.0	03/05	05/10	53	1.6	100	1.3
UGA	G04083.D1	2500	.	.	40.0	02/25	05/04	48	1.1	100	0.9
UGA	G04074	2468	2504	.	40.3	03/03	05/08	57	1.1	100	1.0
UGA	G04029.D2	2436	.	.	39.3	02/26	05/05	48	1.3	100	4.4
UGA	G02088.D1	2418	.	.	38.8	03/03	05/08	52	1.3	100	0.3
UGA	G03002.D4	2418	.	.	38.6	02/28	05/06	52	2.1	100	0.4
Croplan Genetics	Oscar	2349	2255	2672	39.3	03/01	05/06	51	1.1	100	0.5
UGA	G04029.D4	2346	.	.	38.1	02/28	05/07	48	1.8	100	1.3
UGA	G04077	2284	2177	.	40.3	03/02	05/07	53	1.5	100	0.9
UGA	G02088.D3	2275	.	.	38.9	02/28	05/06	49	1.5	100	1.2
UGA	G04083.D3	2228	.	.	40.3	02/24	05/03	45	1.1	100	0.4
Average		2609 <sup>5</sup>	2619	3120	40.0	03/03	05/08	54	1.4	100	0.8
LSD at 10% Level		238	183	157	N.S. <sup>6</sup>	02	01	2	N.S.	-	N.S.
Std. Err. of Entry Mean		101	78	67	1.0	01	01	0	0.2	-	0.7

1. Plains and Tifton.

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

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

4. Estimated yield lost to shattering.

5. C.V. = 11.0%, and df for EMS = 150.

6. 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).