

Plains, Georgia: Spring Canola Variety Trial, 2004-2005

Company or Brand Name	Variety	Yield ¹			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodg. ² rating	Winter Survival %	Shatter ³ %
		2005	2-Year Average lb/A	3-Year Average							
UGA	G04031	2824	3098	.	40.4	03/06	05/14	49	1.2	100	0.0
UGA	G04033	2546	3529	.	41.2	03/01	05/15	41	2.1	100	0.0
UGA	G02075	2487	3186	.	40.1	03/08	05/20	44	2.2	100	0.0
UGA	G04069	2439	.	.	40.7	03/05	05/17	42	2.1	100	0.0
UGA	G04070	2438	.	.	41.4	02/26	05/14	34	2.8	100	0.0
UGA	G04074	2365	.	.	38.7	02/24	05/09	45	1.7	100	0.0
Plantation Seeds	Flint	2339	3244	2991	40.8	03/07	05/18	44	1.9	100	0.0
UGA	G04032	2335	3003	.	40.3	03/05	05/14	44	1.9	100	0.0
UGA	G04036	2334	2750	.	39.4	03/02	05/16	38	2.5	100	0.0
UGA	G04079	2297	.	.	40.7	03/04	05/16	49	1.6	100	0.0
UGA	G04035	2272	2914	.	40.3	03/09	05/20	45	2.2	100	0.0
UGA	G04072	2235	.	.	41.5	02/25	05/08	39	2.2	100	0.0
UGA	G04030	2218	2809	.	41.2	03/11	05/20	48	1.9	100	0.0
UGA	G04089	2147	.	.	40.3	02/24	05/11	44	1.8	100	0.0
UGA	G04077	2123	.	.	40.6	02/27	05/10	40	2.1	100	0.0
UGA	G04084	2102	.	.	41.6	02/25	05/10	38	2.3	100	0.0
UGA	G04034	2092	3122	.	40.4	03/07	05/19	42	2.2	100	0.0
UGA	G04078	2011	.	.	39.8	03/02	05/15	39	1.8	100	0.0
UGA	G04088	1991	.	.	40.3	03/08	05/18	45	1.6	100	0.0
UGA	G04067	1976	.	.	40.4	02/24	05/10	41	1.9	100	0.0
UGA	G04071	1953	.	.	40.4	02/24	05/10	43	1.8	100	0.0
UGA	G03040	1890	2707	.	40.3	02/26	05/11	43	2.3	100	0.0
Croplan Genetics	Oscar	1877	2422	2191	39.1	02/22	05/10	34	2.6	100	0.0
UGA	G04080	1845	.	.	41.1	02/27	05/12	40	1.8	100	0.0
UGA	G04075	1786	.	.	40.5	02/23	05/10	41	1.7	100	0.0
Average		2197 ⁴	2980	2591	40.4	03/01	05/14	42	2.0	100	0.0
LSD at 10% Level		382	N.S. ⁵	-	N.S.	02	02	5	0.5	-	-
Std. Err. of Entry Mean		162	117	-	0.8	01	01	2	0.2	-	-

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. = 14.8%, and df for EMS = 72.
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: October 22, 2004.

Harvested: May 23, 2005.

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: 50 lb N, 0 lb P₂O₅, and 0 lb K₂O/acre.

Topdress: 100 lb N/acre on January 20, 2005.

Management: Disked, subsoiled, and bedded; Treflan used for preplant weed control; irrigated 3 times for a total of 2.1 inches to establish stand; Dimethoate used for aphid control on January 7.

Previous Crop: Corn.

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

Tifton, Georgia: Spring Canola Variety Trial, 2004-2005

Company or Brand Name	Variety	Yield ¹			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodg. ² rating	Winter Survival %	Shatter ³ %
		2005	2-Year Average lb/A	3-Year Average							
UGA	G02075	3526	3787	.	41.0	03/10	05/20	59	1.0	100	0.0
UGA	G04033	3376	3834	.	45.1	03/05	05/18	56	1.0	100	0.0
UGA	G04034	3215	3815	.	42.6	03/08	05/20	61	1.0	100	0.0
UGA	G04036	3135	3605	.	42.4	03/06	05/17	57	1.0	100	0.0
UGA	G04030	2858	3406	.	42.9	03/14	05/22	59	1.4	100	0.0
UGA	G04032	2831	3281	.	43.6	03/05	05/17	55	1.0	100	0.0
UGA	G04067	2827	.	.	42.4	03/03	05/13	47	1.0	100	0.0
UGA	G04089	2798	.	.	41.6	03/02	05/16	52	1.1	100	0.0
UGA	G04078	2744	.	.	42.3	03/04	05/17	58	1.0	100	0.0
UGA	G04074	2716	.	.	42.0	03/04	05/15	40	1.0	100	0.0
UGA	G04035	2696	3219	.	41.1	03/10	05/22	61	1.0	100	0.0
UGA	G03040	2663	3476	.	40.4	03/03	05/14	56	1.0	100	0.0
UGA	G04080	2616	.	.	42.6	03/04	05/16	52	1.0	100	0.0
UGA	G04031	2606	3185	.	41.3	03/08	05/16	54	1.0	100	0.0
UGA	G04069	2606	.	.	42.3	03/09	05/20	57	1.0	100	0.0
UGA	G04079	2562	.	.	40.1	03/05	05/16	62	1.0	100	0.0
UGA	G04070	2520	.	.	43.6	03/03	05/14	55	1.4	100	0.0
UGA	G04084	2492	.	.	43.3	03/04	05/14	36	1.0	100	0.0
UGA	G04072	2466	.	.	43.8	03/03	05/12	53	1.0	100	0.0
UGA	G04075	2461	.	.	43.5	03/02	05/15	55	1.0	100	0.0
Croplan Genetics	Oscar	2445	3245	2694	41.1	03/03	05/14	56	1.0	100	0.0
UGA	G04088	2405	.	.	42.2	03/10	05/17	62	1.0	100	0.0
Plantation Seeds	Flint	2373	3291	2771	41.3	03/08	05/18	53	1.0	100	0.0
UGA	G04071	2249	.	.	42.5	03/03	05/14	50	1.0	100	0.0
UGA	G04077	2016	.	.	42.1	03/02	05/14	47	1.1	100	0.0
Average		2688 ⁴	3468	2732	42.3	03/05	05/16	54	1.0	100	0.0
LSD at 10% Level		376	N.S. ⁵	N.S.	2.0	02	02	8	0.2	-	-
Std. Err. of Entry Mean		159	102	50	0.8	01	01	3	0.1	-	-

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. = 11.8%, and df for EMS = 72.
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 11, 2004.

Harvested: June 7, 2005.

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: 25 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.

Topdress: 108 lb N/acre.

Management: Paratilled and rototilled; Treflan used for weed control; Dimethoate used of aphid control.

Previous Crop: Small grain.

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

Average Performance of State Spring Canola Lines at Two Georgia Locations¹, 2004-2005

Company or Brand Name	Variety	Yield ² lb/A	Oil %	Bloom date	Maturity date	Plant Height in	Lodging ³ rating	Winter Survival %	Shatter ⁴ %
UGA	G02075	3006	40.5	03/09	05/20	51	1.6	100	0.0
UGA	G04033	2961	43.2	03/04	05/17	49	1.5	100	0.0
UGA	G04036	2734	40.9	03/05	05/17	47	1.7	100	0.0
UGA	G04031	2715	40.8	03/07	05/15	51	1.1	100	0.0
UGA	G04034	2653	41.5	03/08	05/20	51	1.6	100	0.0
UGA	G04032	2583	41.9	03/06	05/16	49	1.4	100	0.0
UGA	G04074	2540	40.4	02/28	05/12	42	1.3	100	0.0
UGA	G04030	2538	42.0	03/13	05/22	53	1.6	100	0.0
UGA	G04069	2522	41.5	03/08	05/19	50	1.6	100	0.0
UGA	G04035	2484	40.7	03/10	05/22	53	1.6	100	0.0
UGA	G04070	2479	42.5	03/01	05/14	44	2.1	100	0.0
UGA	G04089	2472	40.9	02/28	05/14	48	1.4	100	0.0
UGA	G04079	2430	40.4	03/05	05/17	55	1.3	100	0.0
UGA	G04067	2402	41.4	02/28	05/12	44	1.5	100	0.0
UGA	G04078	2377	41.0	03/04	05/16	48	1.4	100	0.0
Plantation Seeds	Flint	2356	41.1	03/08	05/18	49	1.4	100	0.0
UGA	G04072	2351	42.7	03/01	05/11	46	1.6	100	0.0
UGA	G04084	2297	42.5	03/01	05/13	37	1.6	100	0.0
UGA	G03040	2277	40.3	03/01	05/13	49	1.7	100	0.0
UGA	G04080	2230	41.9	03/02	05/14	46	1.4	100	0.0
UGA	G04088	2198	41.3	03/09	05/18	53	1.3	100	0.0
Croplan Genetics	Oscar	2161	40.1	02/27	05/12	45	1.8	100	0.0
UGA	G04075	2123	42.0	02/27	05/13	48	1.3	100	0.0
UGA	G04071	2101	41.4	02/28	05/13	47	1.4	100	0.0
UGA	G04077	2070	41.3	03/01	05/12	43	1.6	100	0.0
Average		2442 ⁵	41.4	03/04	05/16	48	1.5	100	0.0
LSD at 10% Level		266	1.4	01	01	N.S. ⁶	N.S.	-	-
Std. Err of Entry Mean		114	0.6	01	01	2	0.1	-	-

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. = 13.2%, and df for EMS = 144.

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).