

Griffin, Georgia: Winter Canola Variety Trial, 2003-2004

Company or Brand Name	Variety	Yield ¹			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodg. ² rating	Shatter ³ %
		2004	2-Year Average lb/A	3-Year Average						
Advanta	Parade	3017	2354	2216	42.1	03/20	05/28	48	1.0	0
UGA	G04014	2854	.	.	40.6	03/11	05/26	50	1.0	0
UGA	G04004	2718	.	.	41.3	03/17	05/26	47	1.0	0
UGA	G04010	2623	.	.	40.8	03/17	05/28	50	1.0	0
UGA	G04015	2615	.	.	41.3	03/21	05/27	53	1.0	0
UGA	G04001	2591	.	.	41.4	03/21	05/27	47	1.0	0
UGA	G02019	2581	.	.	40.6	03/19	05/26	51	1.0	0
UGA	G04013	2564	.	.	41.3	03/10	05/26	44	1.0	0
UGA	G04012	2552	.	.	40.6	03/10	05/26	51	1.0	0
Calgene	Jetton	2541	2174	1730	40.9	03/24	05/27	46	1.0	0
UGA	G04003	2473	.	.	42.1	03/19	05/26	51	1.0	0
UGA	G04011	2459	.	.	41.2	03/12	05/27	49	1.0	0
UGA	G04007	2452	.	.	42.5	03/17	05/26	52	1.0	0
UGA	G04009	2420	.	.	42.5	03/16	05/27	48	1.0	0
UGA	G04005	2339	.	.	41.2	03/18	05/27	50	1.0	0
Calgene	Falcon	2329	2058	1635	40.7	03/28	05/28	48	1.0	0
UGA	G04002	2302	.	.	39.8	03/23	05/28	50	1.0	0
UGA	G01028	2289	2305	.	42.8	03/19	05/28	50	1.0	0
UGA	G02010	2269	2198	.	42.3	03/19	05/27	49	1.0	0
UGA	G04006	2252	.	.	40.9	03/28	05/30	51	1.0	0
UGA	G96200E	2104	2155	1765	41.6	03/17	05/27	44	1.0	0
UGA	G04008	2022	.	.	42.1	03/09	05/25	45	1.0	0
Average		2471 ⁴	2207	1836	41.4	03/18	05/27	49	1.0	0
LSD at 10% Level		332	N.S. ⁵	N.S.	1.0	01	01	3	-	-
Std. Err. of Entry Mean		141	175	84	0.4	01	00	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. = 11.4%, and df for EMS = 63.
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 1, 2003.

Harvested: June 3, 2004.

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

Soil Type: Cecil clay loam.

Soil Test: P = High, K = High, and pH = 6.4.

Fertilization: Preplant: 49 lb N, 98 lb P₂O₅, and 147 lb K₂O/acre.

Topdress: 120 lb N/acre on February 15, 2004.

Management: Chisel plowed, disked, and rototilled; Treflan and Poast use for weed control.

Previous Crop: Wheat.

Test conducted by P. A. Rose.

Plains, Georgia: Spring Canola Variety Trial, 2003-2004

Company or Brand Name	Variety	Yield ¹		Oil %	Bloom date	Maturity date	Plant Ht. in	Lodg. ² rating	Survival %	Shatter ³ %	
		2004	2-Year Average lb/A								3-Year Average
UGA	G04033	4512	.	.	41.8	03/05	05/12	57	1.0	100	0
UGA	G03036	4314	.	.	40.1	03/06	05/12	63	1.0	100	0
UGA	G04034	4153	.	.	39.7	03/06	05/12	58	1.0	100	0
Plantation Seeds	Flint	4148	3317	2744	40.0	03/06	05/13	57	1.0	100	0
UGA	G03037	3902	.	.	39.6	03/07	05/11	58	1.0	100	0
UGA	G02075	3884	.	.	40.8	03/08	05/13	56	1.0	100	0
UGA	G00092	3761	2748	2177	41.7	03/07	05/11	55	1.0	100	0
UGA	G04032	3670	.	.	40.4	03/05	05/11	54	1.0	100	0
UGA	G03047	3565	.	.	39.8	02/27	05/06	52	1.1	100	0
UGA	G04035	3556	.	.	41.1	03/09	05/15	59	1.0	100	0
UGA	G03040	3524	.	.	39.0	03/04	05/10	56	1.0	100	0
UGA	G01123D	3442	2961	2322	40.8	03/04	05/09	57	1.3	100	0
UGA	G04030	3401	.	.	40.6	03/09	05/14	59	1.0	100	0
UGA	G97042B	3394	.	.	38.9	03/05	05/10	56	1.0	100	0
UGA	G04031	3372	.	.	40.9	03/07	05/10	55	1.0	100	0
UGA	G02103	3219	2818	.	36.6	03/07	05/11	55	1.0	100	0
AG-Seed Research	Dunkeld	3181	.	.	41.4	03/01	05/08	53	1.0	100	0
UGA	G04036	3166	.	.	40.3	03/07	05/11	55	1.0	100	0
UGA	G04029	3091	.	.	39.8	03/04	05/10	54	1.0	100	0
UGA	G01062	3054	2865	2329	37.1	03/05	05/13	53	1.1	100	0
UGA	G99057	3049	.	.	38.3	03/06	05/12	55	1.0	100	0
Croplan Genetics	Oscar	2966	2348	1771	38.7	03/04	05/08	55	1.0	100	0
UGA	G03002	2870	.	.	39.6	03/03	05/08	55	1.0	100	0
UGA	G02088	2702	.	.	38.7	03/02	05/07	51	1.0	100	0
Average		3496 ⁴	2843	2269	39.8	03/05	05/11	56	1.0	100	0
LSD at 10% Level		463	N.S. ⁵	N.S.	1.9	01	01	3	N.S.	-	-
Std. Err. of Entry Mean		196	127	87	0.8	01	01	1	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. = 11.2%, and df for EMS = 69.
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 24, 2003.
 Harvested: May 20, 2004.
 Seeding Rate: 5 lb/acre in 7" rows.
 Soil Type: Greenville sandy clay loam.
 Soil Test: P = Medium, K = High, and pH = 5.8.
 Fertilization: Preplant: 50 lb N, 0 lb P₂O₅, and 0 lb K₂O/acre.
 Topdress: 110 lb N/acre on January 23, 2004.
 Management: Subsoiled and rototilled; irrigated 2 times for a total of 2.0 inches.
 Previous Crop: Corn.

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

Tifton, Georgia: Spring Canola Variety Trial, 2003-2004

Company or Brand Name	Variety	Yield ¹			Oil %	Bloom date	Maturity date	Plant Ht. in	Lodging ² rating
		2004	2-Year Average lb/A	3-Year Average					
UGA	G04034	4415	.	.	42.7	03/06	05/04	63	1.0
UGA	G03036	4335	.	.	43.5	03/06	05/03	65	1.0
UGA	G02103	4311	3199	.	42.0	03/06	05/01	60	1.0
UGA	G04033	4292	.	.	44.7	03/04	05/04	61	1.0
UGA	G03040	4290	.	.	43.8	03/03	04/30	63	1.0
UGA	G03047	4260	.	.	43.8	03/01	04/30	59	1.0
Plantation Seeds	Flint	4209	2970	2571	42.5	03/06	05/03	62	1.0
UGA	G04036	4075	.	.	42.6	03/05	05/03	62	1.0
UGA	G02075	4048	.	.	43.3	03/08	05/04	60	1.0
Croplan Genetics	Oscar	4046	2818	2364	42.0	03/02	04/30	57	1.0
UGA	G01123D	3992	2814	2307	43.4	03/04	05/01	62	1.0
UGA	G97042B	3979	.	.	41.9	03/04	04/30	62	1.0
UGA	G04029	3954	.	.	43.8	03/03	05/02	60	1.0
UGA	G04030	3954	.	.	43.7	03/08	05/04	63	1.0
UGA	G99057	3929	.	.	42.2	03/05	05/03	62	1.0
AG-Seed Research	Dunkeld	3920	.	.	44.1	03/01	04/30	60	1.0
UGA	G03037	3912	.	.	44.1	03/12	05/03	61	1.0
UGA	G00092	3872	2848	2602	43.5	03/07	05/02	61	1.0
UGA	G03002	3857	.	.	41.9	03/03	05/01	60	1.0
UGA	G02088	3771	.	.	42.6	03/01	04/30	56	1.0
UGA	G04031	3764	.	.	44.4	03/07	05/01	62	1.0
UGA	G04035	3742	.	.	43.4	03/09	05/04	62	1.0
UGA	G04032	3732	.	.	44.3	03/06	05/03	59	1.0
UGA	G01062	3728	2656	2243	38.8	03/05	05/03	57	1.0
Average		4016 ³	2884	2418	43.0	03/05	05/02	61	1.0
LSD at 10% Level		273	176	N.S. ⁴	N.S.	01	01	3	-
Std. Err. of Entry Mean		116	73	60	1.1	01	01	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. C.V. = 5.8%, and df for EMS = 69.

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 7, 2003.

Harvested: May 17, 2004.

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

Soil Type: Tifton loamy sand.

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

Fertilization: Preplant: 80 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Paratilled and rototilled; Trilin used for weed control.

Previous Crop: Corn.

Test conducted by A. E. Coy, M. D. Pippin, R. Burton, and R. Brooke.

Average Performance of State Spring Canola Lines at Two Georgia Locations¹, 2003-2004

Company or Brand Name	Variety	Yield ² lb/A	Oil %	Bloom date	Maturity date	Plant Height in	Lodging ³ rating
UGA	G04033	4402	43.2	03/05	05/09	59	1.0
UGA	G03036	4325	41.8	03/06	05/08	64	1.0
UGA	G04034	4284	41.2	03/06	05/08	60	1.0
Plantation Seeds	Flint	4179	41.3	03/06	05/09	59	1.0
UGA	G02075	3966	42.0	03/09	05/09	58	1.0
UGA	G03047	3912	41.8	02/28	05/03	55	1.0
UGA	G03037	3907	41.8	03/10	05/07	59	1.0
UGA	G03040	3907	41.4	03/04	05/06	59	1.0
UGA	G00092	3817	42.6	03/07	05/07	58	1.0
UGA	G02103	3765	39.3	03/07	05/06	57	1.0
UGA	G01123D	3717	42.1	03/05	05/06	59	1.1
UGA	G04032	3701	42.4	03/06	05/08	57	1.0
UGA	G97042B	3686	40.4	03/05	05/06	59	1.0
UGA	G04030	3677	42.1	03/09	05/09	61	1.0
UGA	G04035	3649	42.2	03/09	05/10	60	1.0
UGA	G04036	3620	41.5	03/06	05/07	58	1.0
UGA	G04031	3568	42.6	03/07	05/06	58	1.0
AG-Seed Research	Dunkeld	3551	42.7	03/01	05/04	56	1.0
UGA	G04029	3522	41.8	03/04	05/07	57	1.0
Croplan Genetics	Oscar	3506	40.3	03/04	05/04	56	1.0
UGA	G99057	3489	40.2	03/06	05/08	59	1.0
UGA	G01062	3391	37.9	03/06	05/08	55	1.0
UGA	G03002	3364	40.7	03/03	05/05	57	1.0
UGA	G02088	3236	40.6	03/02	05/04	53	1.0
Average		3756 ⁴	41.4	03/06	05/07	58	1.0
LSD at 10% Level		267	1.6	01	01	2	N.S. ⁵
Std. Err of Entry Mean		161	0.7	01	01	1	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. C.V. = 9.2%, and df for EMS = 92.

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).