

2008-2009 Canola Performance Tests

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The Season

One of the worst droughts in the state's history continued into the fall 2008 canola planting season. For the third consecutive season topsoil moisture over much of the state was short, very short in several areas. Very little canola was planted in Georgia in the fall of 2008 due to lack of farmer interest largely attributed to the absence of a market for the crop. Research plots of canola were established at Griffin, Plains, and Tifton.

Rainfall amounts recorded monthly at the three test locations in Georgia during the 2008-2009 growing season are presented in the following table. Variety Research location seasonal total rainfall was above normal for the first time in many years except at Griffin where 1.84" less than normal rainfall occurred.

2008-2009 Rainfall ¹				
Month	Year	Griffin	Plains	Tifton
		----- inches -----		
October	2008	4.83	3.88	6.41
November	2008	3.12	4.08	3.88
December	2008	2.89	6.81	3.11
January	2009	3.00	2.24	1.64
February	2009	4.10	3.41	2.17
March	2009	8.77	7.67	8.23
April	2009	3.99	5.09	8.26
May	2009	3.69	7.09	6.54
June	2009	1.73	2.71	1.98
Total (9 months)		36.12	42.98	42.22
Normal (9 months)		37.96	36.21	33.45

1. Data collected by Dr. G. Hoogenboom, Griffin Campus, Griffin, GA.

The 2008-2009 canola growing season in Georgia began with very dry soil conditions, but differing from the past several years ended with above normal rainfall in most areas. A wet cool spring in North Georgia was beneficial for canola production but frosty conditions in early April caused some damage on early varieties. Seed sprouting was a problem in the Southern part of the state due to persistent heavy rain at harvest time.

The National Winter Canola Variety trial at Griffin was the only test harvested during the Spring of 2009, presented on following page. Research plots at Plains and Tifton were completely destroyed by persistent tropical rain during maturation and harvest time.

Griffin, Georgia: National Winter Canola Variety Trial, 2008-2009

Variety	Yield ¹ lb/A	Oil %	Bloom date	Maturity date	Plant Height in	Lodging ² rating	Shatter %	Winter Survival %
Hybrigold	3031	.	03/30	06/02	63	0	0	100
Safran	3000	.	04/02	06/03	65	0	0	100
Flash	2990	.	03/30	05/31	64	1.5	0	100
HyClass154W	2922	.	04/01	06/04	66	0	0	100
CWH095D	2897	.	04/03	05/31	60	1.2	0	100
46W14	2893	.	03/29	05/31	66	0	0	100
Dimension	2721	.	03/26	05/29	62	0	0	100
Sitro	2718	.	03/28	05/28	61	2.0	0	100
Hybrilux	2694	.	03/31	06/02	66	0	0	100
Virginia	2694	.	03/27	05/27	57	1.5	0	100
Baldur	2686	.	04/01	06/02	66	0	0	100
AAMU-33-07	2685	.	03/26	05/29	60	2.5	0	100
46W99	2670	.	03/26	05/28	61	0	0	100
BSX-6242	2645	.	03/30	06/01	63	0	0	100
Kadore	2627	.	04/11	06/04	58	0	0	100
BSX-501	2597	.	04/06	06/03	57	0	0	100
ARC00005-2	2584	.	03/30	06/03	66	0	0	100
Hybristar	2583	.	03/28	05/28	62	0	0	100
CWH633	2573	.	03/27	05/30	65	1.2	0	100
Hornet	2564	.	03/29	05/29	63	4.7	0	100
CWH111	2550	.	03/27	05/27	57	2.0	0	100
BSX-6131	2536	.	03/31	06/03	66	0	0	100
Kronos	2534	.	03/31	05/31	66	0	0	100
KS4022	2497	.	03/31	06/03	61	2.0	0	100
ARC2189-2	2487	.	03/30	06/02	69	0	0	100
Kiowa	2484	.	04/03	06/03	65	0	0	100
KS3074	2483	.	04/02	05/31	64	1.2	0	100
BSX-6271	2477	.	03/26	05/31	63	0	0	100
HyClass115W	2430	.	03/27	05/30	64	1.5	0	100
ARC00024-2	2419	.	03/30	06/01	71	2.0	0	100
BSX-6406	2418	.	03/30	06/01	64	0	0	100
AAMU-18-07	2395	.	03/17	05/22	57	2.5	0	100
CWH101D	2392	.	03/29	05/26	56	0	0	100
KS3132	2383	.	04/02	06/03	64	1.5	0	100
KS4085	2372	.	03/30	06/03	64	0	0	100
45D03	2350	.	04/07	06/03	65	0	0	100
DKW47-15	2342	.	03/30	05/31	64	2.1	0	100
DKW46-15	2326	.	03/27	05/27	58	1.5	0	100
KS3254	2326	.	04/01	06/03	65	1.2	0	100
Visby	2280	.	03/27	05/26	61	0	0	100

**Griffin, Georgia:
National Winter Canola Variety Trial, 2008-2009 (Continued)**

Variety	Yield ¹ lb/A	Oil %	Bloom date	Maturity date	Plant Height in	Lodging ² rating	Shatter %	Winter Survival %
ARC00004-2	2251	.	03/30	06/02	67	3.0	0	100
Sumner	2220	.	04/02	06/03	65	2.5	0	100
HyClass110W	2212	.	03/25	05/26	59	3.2	0	100
KS4158	2204	.	03/31	06/02	62	1.2	0	100
Hybrisurf	2176	.	04/04	06/01	62	0	0	100
Wichita	2166	.	04/02	06/01	65	1.5	0	100
DKW41-10	2103	.	03/22	05/22	58	3.0	0	100
HyClass107W	2058	.	04/01	05/27	63	4.7	0	100
NPZ0604	1997	.	03/26	05/25	58	1.6	0	100
DKW45-10	1962	.	03/22	05/22	58	3.0	0	100
Average	2492 ³	.	03/30	05/30	63	1.6	0	100
LSD at 10% Level	497		02	02	5	2.2	-	-
Std. Err. of Entry Mean	212		01	01	2	1.5	-	-

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. = 14.7%, and df for EMS = 98.

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

Planted: October 16, 2008.

Harvested: June 10, 2009.

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

Soil Type: Cecil sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.6.

Fertilization: Preplant: 35 lb N, 70 lb P₂O₅, and 105 lb K₂O/acre.

Topdress: 130 lb N/acre.

Management: Chisel plowed, disked and rototilled; Poast applied for ryegrass control; Mustang Mix applied for aphid control.

Previous Crop: Wheat.

Test conducted by J. Gassett and G. Ware.