

2009-2010 CANOLA PERFORMANCE TESTS

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The Season

Georgia farmers in the Fall of 2009, for the first time in a decade, faced adequate soil moistures for the fall planting season. Rain continued through the fall with Hurricane Ida dropping excessive amounts around September 10th. Very little canola was planted in the fall of 2009 due to farmer disinterest mainly attributed to the absence of a market for the commodity. At The University of Georgia we continue to participate in the National Winter Canola Program (headquartered at Kansas State University), thus, research plots of canola were established at Griffin.

Rainfall amount recorded monthly at Griffin, Georgia during the 2009-2010 growing season is presented in the following table. Rainfall amount was well above normal for the nine month reporting period. The abundant rainfall occurred during prime canola planting time, and wet soil along with cold conditions lingered during the growing season. The amount of rainfall received at Griffin was over 10 inches more than normal (27% more), while across the rest of the state the average was 30.0% above normal.

2009-2010 Rainfall ¹		
Month	Year	Griffin inches
October	2009	9.22
November	2009	5.89
December	2009	9.81
January	2010	4.73
February	2010	4.12
March	2010	5.67
April	2010	2.33
May	2010	4.99
June	2010	1.52
Total (9 months)		48.28
Normal (9 months)		37.96

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

Along with the wet conditions the weather remained cold throughout the canola growing season which was beneficial for canola production. The results of the National Winter Canola trial at Griffin are available on following pages.

Griffin, Georgia: National Winter Canola Variety Trial, 2009-2010

Variety	Yield ¹ lb/A	Oil %	Bloom date	Maturity date	Plant Height in	Lodging ² rating	Shatter ³ %	Winter Survival %
Hybrisurf	4318	.	04/08	05/31	57	1	3	100
Sitro	4071	.	04/05	05/28	54	1	3	100
Flash	4012	.	04/07	05/30	56	1	3	100
CHHE96	3886	.	04/08	05/30	53	1	7	100
MH06E11	3883	.	04/07	05/28	58	1	7	100
Dynastie	3814	.	04/06	05/29	50	1	5	100
BSX-7228	3702	.	04/06	05/27	54	1	5	100
MH06E10	3699	.	04/06	05/29	58	1	7	100
Hybristar	3619	.	04/07	05/29	59	1	7	100
Baldur	3565	.	04/03	05/29	54	1	3	100
KSIU331	3551	.	04/09	05/30	59	1	8	100
Safran	3517	.	04/08	05/29	53	1	3	100
KS4475	3504	.	04/11	05/31	57	1	7	100
Kadore	3464	.	04/10	05/30	47	1	5	100
ARC00024-2	3427	.	04/10	05/29	62	1	7	100
KS4158	3411	.	04/07	05/29	55	1	3	100
MH905492	3340	.	04/06	05/28	58	1	5	100
MH06E4	3318	.	04/06	05/29	59	1	12	100
Visby	3265	.	04/06	05/29	56	1	8	100
BSX-7127	3231	.	04/08	05/30	52	1	8	100
Virginia	3222	.	04/07	05/27	49	1	5	100
AAMU-33-07	3214	.	04/07	05/28	52	1	3	100
HyClass110W	3205	.	04/04	05/25	52	1	5	100
Wichita	3200	.	04/07	05/29	53	1	5	100
BSX-6271	3196	.	04/05	05/29	55	1	5	100
ARC00005-2	3073	.	04/09	05/30	59	1	10	100
DKW47-15	3015	.	04/08	05/29	62	1	5	100
Dimension	3014	.	04/05	05/29	58	1	8	100
HyClass154W	3000	.	04/07	05/30	57	1	5	100
Kiowa	2963	.	04/09	05/29	53	1	8	100
ARC99009-1	2953	.	04/07	05/27	58	1	10	100
ARC2189-2	2945	.	04/09	05/29	59	1	12	100
BSX-7341	2936	.	04/07	05/29	50	1	7	100
BSX-7019	2906	.	04/07	05/26	55	1	8	100
Sumner	2904	.	04/07	05/26	50	1	12	100
DKW46-15	2852	.	04/07	05/28	48	1	5	100
KS4426	2849	.	04/07	05/29	57	1	8	100
HyClass115W	2825	.	04/06	05/27	52	1	7	100
AAMU-18-07	2679	.	04/03	05/24	52	1	8	100
BSX-501	2555	.	04/10	05/28	54	1	8	100
DKW41-10	2508	.	04/04	05/25	48	1	7	100
KS4022	2415	.	04/08	05/30	51	1	8	100
Average	3263 ⁴	.	04/07	05/28	55	1	7	100
LSD at 10% Level	602		01	02	5	-	4	-
Std. Err. of Entry Mean	256		01	01	5	-	2	-

Griffin, Georgia: National Winter Canola Variety Trial, 2009-2010 (Continued)

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. = 13.6%, and df for EMS = 82.

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

Planted: October 20, 2009.

Harvested: June 9, 2010.

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

Soil Type: Cecil sandy loam.

Soil Test: P = Medium, K = High, and pH = 5.9.

Fertilization: Preplant: 50 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre.

Topdress: 130 lb N/acre.

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

Previous Crop: Wheat.

Test conducted by J. Gassett and G. Ware.