

2011-2012 CANOLA PERFORMANCE TESTS

Edited by J. LaDon Day and John D. Gassett

The Season

Georgia canola farmers in the fall of 2011 faced higher than normal warm temperatures and dry, low soil moisture conditions for the planting season. The unfavorable conditions continued unabated for much of the canola seeding and growing season. With the hindrance of dry fields, land preparation and planting of Canola were delayed in some areas or not planted.

Rainfall amounts recorded monthly at the Griffin location in Georgia during the 2011-2012 growing season are presented in the following table. At this location in the state rainfall amounts were below normal for the nine month reporting period. Rainfall received across the Southern two-thirds of the state averaged 31% less or down 11.5 inches for the growing season. Record warm temperatures lingered for much of the growing season across the state of Georgia and appeared to negatively influence the winter type canola varieties.

2011-2012 Rainfall¹		
Month	Year	Griffin inches
October	2011	3.91
November	2011	3.92
December	2011	4.03
January	2012	2.96
February	2012	1.21
March	2012	3.54
April	2012	0.44
May	2012	5.02
June	2012	1.85
Total (9 months)		26.88
Normal (9 months)		37.65

1. Data submitted by Dr. Ian Flitcroft,
Griffin Campus, Griffin, Ga.

At the University of Georgia we continue to cooperate in the National Canola Program (headquartered at Kansas State University), thus research plots of canola were established at Griffin.

The results of the National Winter Canola trial at Griffin, Ga. are presented on the following page.

Griffin, Georgia: National Canola Variety Trial, 2011-2012

Variety	Yield ¹ lb/A	TWT %	Bloom date	Maturity date	Plant Height in	Lodging %	Shatter ² %
MH06E10	2130	48.4	03/15	05/11	67	0	7
Rumba	2010	47.4	03/15	05/10	62	0	5
MH07J14	1859	50.1	03/22	05/14	60	0	3
NPZ1005	1849	45.3	03/22	05/12	60	0	7
Hornet	1785	48.9	03/20	05/13	62	0	5
HyClass115W	1752	47.7	03/16	05/11	56	0	3
Hybrirock	1738	48.4	03/17	05/11	62	20	13
Sitro	1738	44.2	03/17	05/11	60	0	8
Ulura	1729	48.6	03/17	05/09	66	0	12
DKW41-10	1651	47.7	03/14	04/30	48	0	10
Flash	1642	50.5	03/20	05/12	65	0	5
Baldur	1624	49.1	03/20	05/12	62	0	7
NPZ0903	1613	44.9	03/19	05/12	61	0	8
MH09H19	1610	45.6	03/17	05/09	66	0	10
WRH350	1607	44.9	03/19	05/09	65	0	7
Dynastie	1533	47	03/23	05/13	60	0	2
Safran	1498	49.8	03/25	05/14	64	0	3
Chrome	1496	44.1	03/17	05/11	63	0	8
46W94	1453	47.7	03/17	05/10	63	0	12
HPX-7341	1452	43.8	03/17	05/11	58	0	2
HPX-7228	1421	47.2	03/16	05/08	59	0	7
DKW47-15	1383	47.9	03/20	05/13	63	0	3
Visby	1364	44.1	03/17	05/07	62	0	10
KS4428	1364	49.4	03/19	05/11	62	0	7
Sumner	1327	45.8	03/19	05/11	62	0	7
06.UIWC.1	1325	49.4	03/21	05/14	62	0	5
VSX-3	1310	47.5	03/19	05/09	61	0	10
HyClass154W	1305	45.6	03/20	05/15	65	0	7
Virginia	1304	49.2	03/17	05/09	55	40	10
HyClass125W	1290	47.1	03/18	05/10	59	0	7
DKW44-10	1288	47.8	03/17	05/10	52	0	8
46W99	1231	46.3	03/18	05/09	62	0	15
KS4564	1199	47.3	03/18	05/10	55	0	5
Riley	1181	45.7	03/21	05/13	59	0	5
Wichita	1159	50.4	03/21	05/12	64	0	7
KS4083	1151	46.3	03/21	05/13	65	0	10
Kiowa	1031	47.1	03/24	05/13	63	0	8
Claremore	915	47.7	03/27	05/15	63	0	8
DKW46-15	840	46.8	03/19	05/07	53	0	13
Amanda	759	42.7	03/25	05/16	65	0	7
05.UI.5.6.33	527	45.4	03/27	05/15	62	0	5
Average	1425 ³	47.1	03/19	05/11	61	1	7
LSD at 10% Level	403	N.S. ⁴	02	02	5	1	N.S.
Std. Err. of Entry Mear	172	2.6	01	01	2	1	3

Griffin, Georgia: National Canola Variety Trial, 2011-2012 (Continued)

1. Yields calculated as 50 lb/bu at 8.5% moisture.
2. Estimated yield lost of shattering.
3. C.V. = 20.8%, and df for EMS = 80.
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: October 6, 2011.

Harvested: May 17, 2012.

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

Soil Type: Cecil clay loam.

Soil Test: P = Medium, K = Medium, and pH = 5.6.

Fertilization: Preplant: 20 lb N, 40 lb P_2O_5 , and 60 lb K_2O /acre.

Topdress: 130 lb N/acre.

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

Previous Crop: Fallow.

Test conducted by J. Gassett and G. Ware.