2010

National Winter Canola Variety Trial

Report of Progress 1044

rsity
Research and Extension

Table 2. Results for the 2010 National Winter Canola Variety Trial at Meridianville, A L

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Southern Illinois Universit y												
KSIU331	1201	---	---	67	87	---	---	44	8.6	---	28.5	42.0
University of Arkansa s												
ARC00005-2	1573	1725	1649	88	90	99	95	54	8.3	---	26.8	43.2
ARC00024-2	1621	---	---	90	92	---	---	50	8.3	---	27.7	41.4
ARC2189-2	1142	1989	1566	64	85	97	91	47	8.7	---	29.0	40.9
ARC99009-1	1730	---	---	96	90	---	---	52	8.3	---	26.6	42.7
Virginia State Universit y												
Virginia	2032	1497	1765	113	92	94	93	51	8.5	---	26.0	43.5
Mean												

Griffin, Georgia

Don Day, Mitch Gilmer, John Gassett, and Gary Ware
University of Georgia at Griffin

Planted: 10/20/2009 at 5 lb/a in 7-in. rows
Harvested: 7/9/2010
Herbicides: Poast
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: P=Medium, K=High, and pH=5.9
Fertilizer: 50-100-150 lb N-P-K fertilizer in fall
130-0-0 lb N-P-K fertilizer in spring
Soil Type: Cecil sandy loam
Elevation: 924 ft Latitude: 33° 16'N

Table 3. Results for the 2010 National Winter Canola Variety Trial at Griffin, G A

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M Universit												

Table 3. Results for the 2010 National Winter Canola Variety Trial at Griffin, G A

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Southern Illinois Universit y												
KSIU331	3549	---	---	108	---	---	---	59	8.4	50.9	24.9	44.5
University of Arkansa s												
ARC00005-2	3104	2364	2734	95	---	---	---	59	9.6	50.7	25.0	42.9
ARC00024-2	3430	2213	2821	105	---	---	---	62	8.6	51.4	24.7	43.5
ARC2189-2	2985	2275	2630	91	---	---	---	59	9.6	50.3	25.5	43.6
ARC99009-1	2961	---	---	90	---	---	---	58	8.8	50.8	25.0	44.2
Virginia State Universit y												
Virginia	3223	2465	2844	98	---	---	---	49	8.6	50.5	24.7	43.8
Mean	3275	2280	2778	---	---	---	---	55	8.9	50.8	24.5	44.3
CV	14	15	14	---	---	---	---	7	6.4	2.2	3.2	1.4
LSD (0.05)	720	543	632	---	---	---	---	6	NS	NS	1.6	1.3

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Jackson Springs, North Carolina

Kim Tungate
North Carolina State University

Planted: 10/7/2009 at 5 lb/a in 8-in. rows
Harvested: 6/7/2010
Herbicides: Poast
Insecticides: None
Irrigation: None
Previous Crop: Fallow
Soil Test: P=47 ppm, K=56 ppm, and pH=6.9
Fertilizer: 27-0-0 lb N-P-K fertilizer in fall
80-50-0-26 lb N-P-K-S fertilizer in spring
Elevation: 600 ft Latitude: 35° 11'N

Table 4. Results for the 2010 National Winter Canola Variety Trial at Jackson Springs, NC

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)

Williamsdale, North Carolina

Kim Tungate
North Carolina State University

Planted: 10/20/2009 at 5 lb/a in 8-in. rows
Harvested: 6/9/2010
Herbicides: Poast
Insecticides: None
Irrigation: None
Previous Crop: Fallow
Soil Test: P=349 ppm, K=175 ppm, and pH=6.1
Fertilizer: 27-0-0 lb N-P-K fertilizer in fall
80-0-0-26 lb N-P-K-S fertilizer in spring
Soil Type: Goldsboro loamy sand
Elevation: 148 ft Latitude: 34° 45'N

Table 5. Results for the 2010 National Winter Canola Variety Trial at Williamsdale, NC

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)

Belleville, Illinois

Michael Schmidt and Cathy Schmidt
Southern Illinois University

Planted: 9/20/2009 at 6 lb/a in 7.5-in. rows
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: None
Previous Crop: P=84 ppm, K=304 ppm, and pH=6.6
Soil Test: NA
Fertilizer: 0-25-25 lb N-P-K fertilizer in fall
95-0-0 lb N-P-K fertilizer in spring
Soil Type: Winfield silt loam
Elevation: 415 ft Latitude: 37° 47'N

Table 8. Results for the 2010 National Winter Canola Variety Trial at Belleville, IL

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M Universit y												
AAMU-18-07	3243	---	---	79	100	---	---	49	9.1	48.3	23.0	45.0
AAMU-33-07	3057	---	---	75	100	---	---	50	10.7	48.5	23.6	44.4
DL Seeds Inc.												
Baldur	4578	---	---	112	100	---	---	58	12.3	46.7	21.7	46.1
Dimension	3720	---	---	91	100	---	---	52	10.3	48.0	22.2	45.6
Dynastie	4361	---	---	107	100	---	---	55	11.4	48.3	23.7	45.4
Flash	4795	---	---	117	100	---	---	59	12.9	46.4	22.0	45.9
Safran	3843	---	---	94	100	---	---	54	11.7	49.1	20.9	47.7
Sitro	4894	---	---	120	100	---	---	54	10.5	48.9	22.1	46.0
Visby	4332	---	---	106	100	---	---	52	10.5	48.1	22.8	45.8
High Plains Crop Development												
HPX-501	3355	---	---	82	100	---	---	54	9.2	49.9	22.4	45.7
HPX-6271	4405	---										

Carbondale, Illinois

Michael Schmidt and Cathy Schmidt
Southern Illinois University

Planted: 9/19/2009 at 6 lb/a in 7.5-in. rows
Harvested: 6/15/2010
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: None
Previous Crop: Silage corn
Soil Test: NA
Fertilizer: 27-96-150 lb N-P-K fertilizer in fall
95-0-0 lb N-P-K fertilizer in spring
Elevation: 400 ft Latitude: 38° 30'N

Table 9. Results for the 2010 National Winter Canola Variety Trial at Carbondale, I L

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M Universit y												
AAMU-18-07	1595	---	---	68	---	---	---	42	7.7	51.0	21.5	46.9
AAMU-33-07	2191	---	---	93	---	---	---	42	7.7	50.4	21.5	46.4
DL Seeds Inc.												
Baldur	1637	---	---	70	---	---	---	50	7.8	52.2	21.6	46.0
Dimension	2056	---	---	88	---	---	---	43	7.3	50.8	20.9	48.3
Dynastie	2744	---	---	117	---	---	---	43	7.6			
(3) Dynastie	--88	---	---	---50.4								

Columbia City, Indiana

Shaun Casteel
Purdue University

Planted:	9/10/2009 at 5 lb/a in 6-in. rows
Irrigation:	None
Previous Crop:	Wheat
Soil Test:	NA
Fertilizer:	30-60-60 lb N-P-K fertilizer in fall
	120-0-0 lb N-P-K fertilizer in spring
Soil Type:	Blount silt loam
Elevation:	837 ft Latitude: 41° 6'N

Table 13. Results for the 2010 National Winter Canola Variety Trial at Throckmorton, IN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
University of Arkansa s												
ARC00005-2	2032	---	---	121	---	---	---	56	8.0	60.2	24.6	42.4
ARC00024-2	1729	---	---	103	---	---	---	58	8.7	59.7	25.0	41.6
ARC2189-2	1626	---	---	97	---	---	---	57	5.9	62.4	24.5	42.8
ARC99009-1	1264	---	---	75	---	---	---	53	4.4	20.8	24.4	42.4
Mean	1678	---	---	---	---	---	---	54	6.1	53.5	24.3	42.8
CV	18	---	---	---	---	---	---	6	21.3	28.5	3.1	1.9
LSD (0.05)	530	---	---	---	---	---	---	NS	2.3	27.2	1.5	1.7

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Table 14. Results for the 2010 National Winter Canola Variety Trial at Vincennes, IN

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Southern Illinois Universit y												
KSIU331	1893	---	---	99	---	---	---	60	8.7	59.1	26.4	41.7
University of Arkansa s												
ARC00005-2	1976	1973	1974	103	---	---	---	58	9.5	57.9	26.4	41.0
ARC00024-2	2321	1826	2074	121	---	---	---	61	9.3	58.5	26.7	39.7
ARC2189-2	2221	2104	2162	116	---	---	---	62	8.9	59.3	26.9	40.6
ARC99009-1	1968	---	---	103	---	---	---	59	8.5	59.6	26.5	41.0
Virginia State Universit y												
Virginia	1974	2086	2030	103	---	---	---	54	9.4	58.1	27.4	40.3
Mean	1912	2055	---	---	---	---	---	57	8.7	59.2	26.3	41.4
CV	16	13	---	---	---	---	---	5	9.2	2.2	1.9	1.3
LSD (0.05)	490	446	---	---	---	---	---	4	1.3	NS	1.0	1.0

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Table 15. Results for the 2010 National Winter Canola Variety Trial at East Lansing, MI

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
MOMONT												
Chrome	2248	---	---	109	93	---	---	47	---	---	23.8	44.1
Hybristar	2156	---	---	105	92	---	---	50	---	---	25.3	43.5
Hybrisurf	2723	---	---	133	95	---	---	51	---	---	24.7	44.2
Kadore	2306	---	---	112	95	---	---	47	---	---	24.6	42.3
MH06E10	2163	---	---	105	93	---	---	50	---	---	24.2	43.4
MH06E11	2014	---	---	98	93	---	---	47	---	---	23.5	44.5
MH06E4	2003	---	---	97	92	---	---	50	---	---	24.0	43.9
MH905492	2446	---	---	119	93	---	---	54	---	---	25.9	42.5
University of Arkansas												
ARC00005-2	1986	---	---	97	93	---	---	53	---	---	25.9	42.1
ARC00024-2	2292	---	---	112	92	---	---	50	---	---	25.6	42.2
ARC2189-2	1635	---	---	80	95	---	---	50	---	---	26.2	41.9
ARC99009-1	2061	---	---	100	93	---	---	51	---	---	25.3	42.7
Virginia State University												
Virginia	2340	---	---	114	95	---	---	45	---	---	26.2	41.3
Mean	2054	---	---	---	138	---	---	49	---	---	25.1	43.1
LSD (0.05)	525	---	---	---	4	---	---	7	---	---	1.5	1.6
CV	16	---	---	---	2	---	---	6	---	---	3.0	1.8

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Custar, Ohio

Edwin Lentz
The Ohio State University

Planted: 9/2/2009 at 6 lb/a in 7-in. rows
Harvested: 7/7/2010
Herbicides: 5 oz/a Select
Insecticides: None
Irrigation: None
Pee

26d:

%)DC -7.179 -1.269 Td 30erbicide11

Fremont, Ohio

Edwin Lentz
The Ohio State University

Table 17. Results for the 2010 National Winter Canola Variety Trial at Fremont, OH

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Virginia State Universit y												
Virginia	1597	2463	2030	92	100	98	99	39	---	---	22.5	44.6
Mean	1743	2489	---	---	99	94	---	44	---	---	22.6	44.3
CV	21	15	---	---	1	6	---	6	---	---	2.5	1.1
LSD (0.05)	598	621	---	---	NS	NS	---	4	---	---	1.2	1.0

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Table 18. Results for the 2010 National Winter Canola Variety Trial at Fruita, C O

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
University of Arkansa s												
ARC00005-2	1985	3101	2543	80	97	---	---	42	9.9	47.3	22.7	45.3
ARC00024-2	2173	2607	2390	88	92	---	---	45	8.3	47.8	25.4	42.2
ARC2189-2	1546	2768	2157	62	82	---	---	47	10.8	46.3	24.5	43.3
ARC99009-1	2393	---	---	96	97	---	---	44	7.0	49.2	24.6	44.5
Virginia State Universit y												
Virginia	2120	3405	2762	85	87	---	---	41	10.1	47.1	24.0	43.5
Mean	2481	3336	---	---	96	---	---	43	7.2	48.2	23.9	44.4
CV	22	12	---	---	6	---	---	6	25.0	3.6	5.4	3.2
LSD (0.05)	871	642	---	---	10	---	---	4	2.9	2.8	NS	NS

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Yellow Jacket, Colorado

Abdel Berrada
Colorado State University

Planted: 9/3/2009 at 5 lb/a in 8-in. rows
Harvested: 8/12 to 8/13/2010
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: 12.3 in.
Previous Crop: NA
Soil Test: NA
Fertilizer: 83-41-0 lb N-P-K fertilizer in fall
Soil Type: Wetherill loam
Elevation: 6928 ft Latitude: 37° 32'N

Table 20. Results for the 2010 National Winter Canola Variety Trial at Yellow Jacket, C O

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Croplan Genetics												
HyClass154W	1480	---	---	97	98	---	---	47	6.3	45.1	29.4	38.2
DL Seeds Inc.												
Baldur	1746	3818	2782	115	100	96	98	47	6.2	49.0	25.2	41.6
Dimension	1407	3968	2688	92	88	96	92	47	6.0	47.1	27.5	40.6
Dynastie	1507	---	---	99	98	---	---	48	6.2	44.3	28.5	38.4
Flash	1471	3680	2576	97	97	90	93	51	6.2	42.8	29.2	39.2
Safran	1493	4486	2990	98	90	96	93	45	6.3	44.0	25.8	41.7
Sitro	1745	4738	3242	115	91	97	94	47	6.1	46.4	25.6	41.7
Visby	1866	3969	2918	123	97	95	96	48	6.5	45.5	24.7	41.9
High Plains Crop Development												
HPX-501	1758	3493	2626	116	99	97	98	50	6.2	47.4	30.6	37.8
HPX-6271	1485	3770	2628	98	99	96	98	46	6.6	44.0	26.7	42.0
HPX-7019	1375	---	---	90	98	---	---	49	6.1	43.6	29.4	38.5
HPX-7127	1653	---	---	109	97	---	---	51	6.1	47.3	29.8	38.5
HPX-7228	1310	---	---	86	97	---	---	46	6.4	46.0	25.5	41.5
HPX-7341	1269	---	---	83	94	---	---	50	6.2	46.0	29.0	39.3
Kansas State University												
Kiowa	1003	3131	2067	66	97	92	94	49	6.3	43.8	30.1	37.5
KS3254	1758	3732	2745	116	100	92	96	52	6.2	47.8	29.0	39.2
KS4426	1619	---	---	106	97	---	---	51	6.2	45.8	24.7	43.4
KS4475	802	---	---	53	98	---	---	46	6.2	44.7	27.1	41.5
Riley	1588	3632	2610	104	97	92	94	48	6.3	44.5	29.7	39.1
Sumner	1286	3352	2319	84	98	94	96	45	6.0	43.4	26.6	41.9
Wichita	1465	3467	2466	96	100	95	98	49	6.2	46.0	30.5	37.5
MOMONT												
Chrome	2021	---	---	133	94	---	---	48	6.5	48.4	25.0	42.7
Hybristar	1691	---	---	111	98	---	---	47	6.1	44.5	27.8	39.2
Hybrisurf	1633	---	---	107	88	---	---	47	6.2	45.2	27.5	40.7
Kadore	1839	---	---	121	98	---	---	44	6.6	47.6	24.7	41.6
MH06E10	1807	---	---	119	98	---	---	50	6.4	48.6	27.2	40.0
MH06E11	1522	---	---	100	99	---	---	49	6.2	48.0	25.1	41.5
MH06E4	2017	---	---	133	89	---	---	50	6.4	48.5	25.0	42.8
MH905492	1040	---	---	68	92	---	---	43	6.3	42.4	29.5	38.4
Virginia State University												
Virginia	1017	3228	2123	67	99	94	97	40	6.3	42.7	27.6	39.5
Mean	1522	3640	---	---	96	95	---	48	6.3	45.7	27.5	40.2
CV	22	14	---	---	5	5	---	4	4.6	6.5	9.6	7.5
LSD (0.05)	535	840	---	---	8	NS	---	3	NS	NS	NS	NS

Bold -

Table 23. Results for the 2010 National Winter Canola Variety Trial at Hutchinson, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Southern Illinois Universit y												
KSIU331	2113	---	---	102	---	---	---	---	8.5	52.5	25.9	40.1
University of Arkansa s												
ARC00005-2	2069	864	1466	100	---	---	---	---	8.1	52.0	25.3	40.4
ARC00024-2	2127	936	1532	103	---	---	---	---	8.5	52.6	26.8	38.9
ARC2189-2	2102	1148	1625	101	---	---	---	---	8.4	51.4	26.2	39.8
ARC99009-1	1957	---	---	94	---	---	---	---	8.6	51.3	24.9	41.3
Virginia State Universit y												
Virginia	1967	876	1421	95	---	---	---	---	7.6	51.1	23.8	42.8
Mean	2074	1084	---	---	---	---	---	---	8.2	52.0	25.0	41.4
CV	12	25	---	---	---	---	---	---	9.0	1.3	3.8	2.9
LSD (0.05)	398	433	---	---	---	---	---	---	1.2	1.1	1.9	2.4

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Manhattan, Kansas

Michael Stamm
Kansas State University

Planted: 9/12/2009 at 5 lb/a in 9-in. rows
Harvested: 6/23/2010
Herbicides: Select
Insecticides: None
Irrigation: None
Previous Crop: Soybean
Soil Test: NA
Fertilizer: 75-0-0 lb N-P-K fertilizer in fall
75-0-0 lb N-P-K fertilizer in spring
Soil Type: Smolan silt loam
Elevation: 1064 ft Latitude: 39° 12'N
Comments: Severe sulfur deficiency in the third replication. Only two reps summarized.

Table 24. Results for the 2010 National Winter Canola Variety Trial at Manhattan, KS

Name	Yield (lb/a)	Yield (% of test avg.)	Winter Survival (%)	Plant Height	Test Moisture

Table 24. Results for the 2010 National Winter Canola Variety Trial at Manhattan, KS

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Southern Illinois Universit y												
KSIU331	2601	---	---	160	100	---	---	54	8.5	49.6	24.7	42.3
University of Arkansa s												
ARC00005-2	2074	974	1524	127	95	80	88	53	9.4	47.9	24.8	39.6
ARC00024-2	2075	984	1530	127	90	83	86	52	9.0	49.5	25.2	40.5
ARC2189-2	1896	1017	1457	116	98	80	89	51	8.8	48.6	25.1	40.7
ARC99009-1	1727	---	---	106	100	---	---	52	8.7	48.8	24.1	40.0
Virginia State Universit y												
Virginia	2421	718	1570	149	98	77	87	45	9.2	50.1	23.6	42.1
Mean	2063	861	---	---	97	79	88	50	8.4	48.9	24.1	41.0
CV	21	37	---	---	5	128	67	4	11.5	2.9	2.1	3.2
LSD (0.05)	NS	519	---	---	11	16	13	4	NS	NS	1.1	2.7

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

Clovis, New Mexico

Sangu Angadi
New Mexico State University

Planted: 9/15/2009 at 6 lb/a in 6-in. rows
Harvested: 6/11 to 6/23/2010
Herbicides: None
Insecticides: Lorsban and Trimax
Irrigation: 11.5 in.
Previous Crop: Fallow
Soil Test: P=17 ppm, K=526 ppm, and pH=7.5
Fertilizer: 60-25-0-10 lb N-P-K-S fertilizer in fall
40-0-0 lb N-P-K fertilizer in spring
Soil Type: Olton clay loam
Elevation: 4435 ft Latitude: 35° 103'N

Table 26. Results for the 2010 National Winter Canola Variety Trial at Clovis, NM

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Croplan Genetics												
HyClass110W	3505	---	---	101	---	---	---	42	4.7	52.5	28.5	38.8
HyClass115W	3368	---	---	97	---	---	---	46	5.1	51.8	29.5	39.1
HyClass154W	3618	---	---	104	---	---	---	50	5.5	51.9	28.6	38.5
DEKAL B												
DKW41-10	3582	---	---	103	---	---	---	36	5.1	50.1	30.6	38.2
DKW46-15	3525	---	---	102	---	---	---	44	5.4	52.0	28.4	40.0
DKW47-15	3260	---	---	94	---	---	---	46	4.9	51.7	27.3	40.4
DL Seeds Inc.												
Dimension	3238	---	---	94	---	---	---	48	5.2	52.5	27.6	39.9
Flash	3260	---	---	94	---	---	---	48	5.3	52.4	26.7	39.9
Safran	3635	---	---	105	---	---	---	48	5.7	51.2	26.4	40.9
Sitro	3544	---	---	102	---	---	---	49	5.2	53.0	27.4	39.4
Kansas State Universit y												
Kiowa	3338	---	---	96	---	---	---	51	4.9	51.9	28.9	38.4
Sumner	3657	---	---	106	---	---	---	46	5.3	52.4	28.2	39.7
Wichita	3487	---	---	101	---	---	---	49	5.1	51.4	27.7	40.3
MOMONT												
Hybristar	3427	---	---	99	---	---	---	47	5.1	51.4	27.8	40.3
Hybrisurf	3162	---	---	91	---	---	---	49	5.4	51.5	28.3	40.3
Kadore	3799	---	---	110	---	---	---	43	4.9	51.9	28.4	37.2
Mean	3463	---	---	---	---	---	---	---	---	---	---	---

Farmington, New Mexico

Mick O'Neill and Curtis Owen
New Mexico State University

Planted: 9/3/2009 at 5 lb/a in 10-in. rows
Harvested: 7/29/2010
Herbicides: None
Insecticides: None
Irrigation: 26 in.

Table 27. Results for the 2010 National Winter Canola Variety Trial at Farmington, NM

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
University of Arkansas												
ARC00005-2	2956	4242	3599	99	---	---	---	42	8.3	41.0	28.3	37.1
ARC00024-2	1670	3450	2560	56	---	---	---	46	8.1	37.0	29.1	33.9
ARC2189-2	2628	3969	3298	88	---	---	---	46	8.0	39.2	28.2	38.8
ARC99009-1	2423	---	---	81	---	---	---	44	7.9	37.3	28.9	34.6
Virginia State University												
Virginia	3408	4382	3895	114	---	---	---	41	8.7	38.3	28.6	36.7
Mean	2989	4150	---	---	---	---	---	43	7.9	39.3	27.8	37.4
CV	19	25	---	---	---	---	---	9	36.9	10.6	3.4	5.1
LSD (0.05)	936	1669	---	---	---	---						

Enid, Oklahoma

John Lamle

Table 28. Results for the 2010 National Winter Canola Variety Trial at Enid, O K

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Southern Illinois Universit y												
KSIU331	2678	---	---	147	73	---	---	53	11.2	52.1	25.5	43.3
University of Arkansa s												
ARC00005-2	1644	2592	2118	90	12	---	---	49	11.8	51.4	26.7	42.3
ARC00024-2	1299	2254	1776	71	5	---	---	55	12.7	51.3	27.6	39.4
ARC2189-2	1441											

Fort Cobb, Oklahoma

Chad Godsey
Oklahoma State University

Planted: 9/30/2009 at 5 lb/a in 7.5-in. rows
Swathed: 5/28/2010
Harvested: 6/2/2010
Herbicides: 1.5 pt/a Treflan
Insecticides: None
Irrigation: None
Previous Crop: Wheat
Soil Test: P=50 ppm, K=426 ppm, and pH=7.1
Fertilizer: 43-23-0 lb N-P-K fertilizer in fall
100-0-0-20 lb N-P-K-S fertilizer in spring
Soil Type: Sandy loam
Elevation: 1255 ft Latitude: 35° 5'N

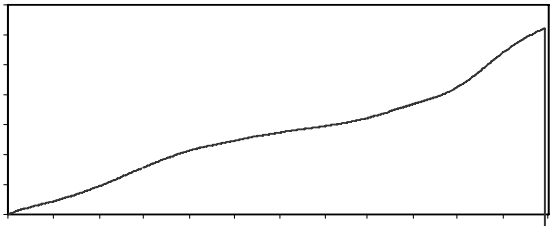

Table 29. Results for the 2010 National Winter Canola Variety Trial at Fort Cobb, O K

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M Universit y												
AAMU-18-07	2277	---	---	96	---	---	---	40	5.3	49.1	24.8	42.2
AAMU-33-07	2348	---	---	99	---	---	---	40	4.9	50.6	24.7	41.9
Croplan Genetics												
HyClass110W	2118	---	---	89	---	---	---	40	5.4	50.4	26.4	40.9
HyClass115W	2410	---	---	101	---	---	---	42	5.4	50.3	26.5	41.7
HyClass154W	2161	---	---	91	---	---	---	44	5.3	50.2	27.1	38.9
DEKAL B												
DKW41-10	1853	---	---	78	---	---	---	37	5.2	49.9	29.4	39.2
DKW46-15	2072	---	---	87	---	---	---	41	5.5	50.2	25.6	41.8
DKW47-15	2360	---	---	99	---	---	---	44	5.2	50.6	26.4	40.3
DL Seeds Inc.												
Baldur	2343	---	---	99	---	---	---	44	5.4	50.7	25.0	40.4
Dimension	2629	---	---	111	---	---	---	42	5.2	50.5	24.8	41.8
Dynastie	2624	---	---	110	---	---	---	42	5.3	49.7	23.6	42.0
Flash	2140	---	---	90	---	---	---	43	5.1	49.6	25.8	41.6
Safran	2451	---	---	103	---	---	---	41	5.0	50.9	25.6	40.7
Sitro	2740	---	---	115	---	---	---	44	5.0	50.6	25.0	40.5
Visby	2806	---	---	118	---	---	---	42	5.1	50.7	24.3	40.7
High Plains Crop Development												
HPX-501	2160	---	---	91	---	---	---	41	5.2	50.9	27.2	40.9
HPX-6271	2337	---	---	98	---	---	---	42	5.2	50.1	26.5	41.4
HPX-7019	2492	---	---	105	---	---	---	41	5.4	50.7	26.6	40.9
HPX-7127	2441	---	---	103	---	---	---	42	5.3	50.3	25.9	40.2
HPX-7228	2433	---	---	102	---	---	---	40	5.0	51.2	25.2	41.2
HPX-7341	2519	---	---	106	---	---	---	42	5.1	51.6	26.8	40.6
Kansas State Universit y												
Kiowa	2341	---	---	98	---	---	---	41	5.3	50.5	26.1	40.5
KS3132	2384	---	---	100	---	---	---	43	5.0	50.7	25.4	41.5
KS4426	2340	---	---	98	---	---	---	44	5.2	50.6	25.4	41.5
KS4475	2320	---	---	98	---	---	---	44	5.0	50.7	26.5	40.8
Riley	2450	---	---	103	---	---	---	40	5.1	50.9	25.9	41.9
Sumner	2343	---	---	99	---	---	---	41	5.0	50.3	26.2	41.2
Wichita	2229	---	---	94	---	---	---	40	5.2	51.0	26.3	40.7
MOMONT												
Chrome	2659	---	---	112	---	---	---	40	5.2	50.6	24.0	42.3
Hybristar	2340	---	---	98	---	---	---	43	5.1	50.1	25.9	40.6
Hybrisurf	2420	---	---	102	---	---	---	41	5.4	49.9	24.3	42.1
Kadore	2349	---	---	99	---	---	---	39	5.3	51.3	25.7	39.2
MH06E10	2603	---	---	110	---	---	---	45	5.3	50.3	25.6	40.4
MH06E11	2614	---	---	110	---	---	---	45	5.2	50.1	24.4	40.9
MH06E4	2741	---	---	115	---	---	---	43	5.3	50.1	24.7	41.2
MH905492	2527	---	---	106	---	---	---	42	5.4	50.3	25.5	41.8

Chillicothe, Texas

John Sij
Texas AgriLife Research & Extension Center at Vernon

Planted: 9/23/2009 at 5 lb/a in 10-in. rows
Harvested: 6/7/2010
Herbicides: 1 pt/a Treflan
Insecticides: None
Irrigation: None
Previous Crop: Canola
Soil Test: NA
Fertilizer: 60-20-0 lb N-P-K fertilizer in fall
Soil Type: Abilene clay loam
Elevation: 1401 ft Latitude: 34° 11'N

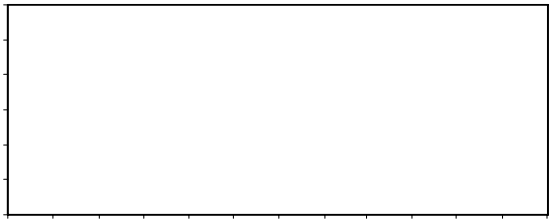

Table 30. Results for the 2010 National Winter Canola Variety Trial at Chillicothe, T X

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M Universit y												
AAMU-18-07	2129	---	---	82	---	---	---	49	6.5	51.4	23.3	43.7
AAMU-33-07	2614	---	---	100	---	---	---	52	6.9	53.1	25.6	42.2
Croplan Genetics												
HyClass110w	2396	---	---	92	---	---	---	51	6.5	53.3	24.3	43.2
HyClass115W	2287	---	---	88	---	---	---	50	7.1	53.9	25.8	42.8
HyClass154W	2595	---	---	100	---	---	---	48	7.4	53.8	26.3	40.9
DEKAL B												
DKW41-10	1951	---	---	75	---	---	---	42	6.8	55.1	27.5	41.8
DKW46-15	2287	---	---	88	---	---	---	48	6.5	53.7	23.5	44.8
DKW47-15	2323	---	---	89	---	---	---	50	6.7	53.7	26.8	41.3
DL Seeds Inc.												
Baldur	2623	---	---	101	---	---	---	51	7.0	54.6	22.6	44.0
Dimension	2686	---	---	103	---	---	---	54	7.0	53.8	23.0	45.1
Dynastie	3312	---	---	127	---	---	---	53	6.5	54.6	24.8	43.8
Flash	3149	---	---	121	---	---	---	55	7.0	54.6	24.4	44.3
Safran	3158	---	---	121	---	---	---	50	6.6	54.6	23.5	43.9
Sitro	2977	---	---	114	---	---	---	53	6.7	54.4	22.6	44.4
Visby	2904	---	---	111	---	---	---	53	7.0	54.5	23.0	43.6
High Plains Crop Development												
HPX-501	2487	---	---	95	---	---	---	52	6.7	54.4	24.7	42.5
HPX-6271	2541	---	---	98	---	---	---	52	6.9	54.1	24.2	43.9
HPX-7019	2532	---	---	97	---	---	---	55	6.6	53.8	24.9	43.3
HPX-7127	2450	---	---	94	---	---	---	50	6.8	53.8	23.9	43.3
HPX-7228	2804	---	---	108	---	---	---	48	6.8	55.0	23.8	43.6
HPX-7341	2623	---	---	101	---	---	---	56	7.0	54.5	24.7	43.3
Kansas State Universit y												
Kiowa	2514	---	---	96	---	---	---	54	7.6	52.9	25.7	41.5
KS3254	2931	---	---	113	---	---	---	54	7.1	54.1	24.2	43.8
KS4426	2577	---	---	99	---	---	---	54	7.0	54.5	23.7	43.4
KS4475	2550	---	---	98	---	---	---	53	7.5	53.7	26.3	41.8
Riley	2641	---	---	101	---	---	---	49	7.2	53.9	25.1	43.2
Sumner	2296	---	---	88	---	---	---	56	6.7	54.2	26.6	42.9
Wichita	2205	---	---	85	---	---	---	48	6.8	52.9	24.8	42.8
MOMONT												
Chrome	3185	---	---	122	---	---	---	51	6.6	54.6	22.8	44.6
Hybristar	2623	---	---	101	---	---	---	52	6.7	53.8	23.7	43.0
Hybrisurf	2360	---	---	91	---	---	---	50	7.0	53.9	23.4	44.6
Kadore	2795	---	---	107	---	---	---	44	6.9	53.9	22.9	42.6
MH06E10	2732	---	---	105	---	---	---	52	6.5	54.3	22.7	44.1
MH06E11	3086	---	---	118	---	---	---	54	6.9	53.9	23.0	45.0
MH06E4	2813	---	---	108	---	---	---	49	6.8	54.0	23.2	43.9
MH905492	2550	---	---	98	---	---	---	50	6.6	54.2	25.3	43.8

Table 30. Results for the 2010 National Winter Canola Variety Trial at Chillicothe, T X

Name	Yield (lb/a)		Yield (% of test avg.)	Winter Survival (%)	Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009							

Lubbock, Texas

Dick Auld
Texas Tech University

Planted: 9/15/2009 at 5 lb/a
Harvested: 5/15/2010
Herbicides: None
Insecticides: Malithion
Irrigation: 8 in.
Previous Crop: Cotton
Soil Test: NA
Fertilizer: 40-0-0 lb N-P-K fertilizer
Soil Type: Acuff and Amarillo fine sandy loams
Elevation: 3239 ft Latitude: 33° 35'N

Table 32. Results for the 2010 National Winter Canola Variety Trial at Lubbock, TX

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Alabama A&M University												
AAMU-18-07	1018	---	---	71	---	---	---	---	---	---	25.5	39.4
AAMU-33-07	**1726**	---	---	120	---	---	---	---	---	---	25.5	41.1
Croplan Genetics												
HyClass110W	352	---	---	24	---	---	---	---	---	---	30.1	37.7
HyClass115W	**1424**	---	---	99	---	---	---	---	---	---	26.8	40.4
HyClass154W	913	---	---	63	---	---	---	---	---	---	25.8	38.9
DEKALB												
DKW41-10	353	---	---	24	---	---	---	---	---	---	31.0	37.9
DKW46-15	988	---	---	68	---	---	---	---	---	---	26.0	41.1
DKW47-15	819	---	---	57	---	---	---	---	---	---	26.8	38.8
DL Seeds Inc.												
Baldur	**1518**	---	---	105	---	---	---	---	---	---	24.5	42.8
Dimension	**1894**	---	---	131	---	---	---	---	---	---	23.8	44.3
Dynastie	1270	---	---	88	---	---	---	---	---	---	23.6	41.8
Flash	962	---	---	67	---	---	---	---	---	---	25.5	42.2
Safran	**1978**	---	---	137	---	---	---	---	---	---	25.8	41.5
Tiro	1147	---	---	80	---	---	---	---	---	---	24.8	41.4
Visby	**1924**	---	---	133	---	---	---	---	---	---	26.0	40.4
High Plains Crop Development												
HPX-501	**1652**	---	---	115	---	---	---	---	---	---	28.5	40.2
HPX-6271	1151	---	---	80	---	---	---	---	---	---	26.6	41.5
HPX-7019	1230	---	---	85	---	---	---	---	---	---	29.2	39.2
HPX-7127	**1813**	---	---	126	---	---	---	---	---	---	26.0	42.4
HPX-7228	1286	---	---	89	---	---	---	---	---	---	28.8	39.5
HPX-7341	1402	---	---	97	---	---	---	---	---	---	26.2	41.6
Kansas State University												
Iowa	**1762**	---	---	122	---	---	---	---	---	---	26.5	41.5
K3254	**1997**	---	---	138	---	---	---	---	---	---	26.0	42.4
K4426	**1507**	---	---	104	---	---	---	---	---	---	25.7	41.4
K4475	1001	---	---	69	---	---	---	---	---	---	27.0	42.1
Key	**2033**	---	---	141	---	---	---	---	---	---	26.3	42.2
Omner	**1809**	---	---	125	---	---	---	---	---	---	27.4	42.4
Pochita	1134	---	---	79	---	---	---	---	---	---	26.5	42.3
MONT												
Prome	1391	---	---	96	---	---	---	---	---	---	25.7	40.0
Tribristar	**1858**	---	---	129	---	---	---	---	---	---	26.0	43.0
Tribrisurf	**1954**	---	---	135	---	---	---	---	---	---	26.1	41.0
Tridore	**2142**	---	---	148	---	---	---	---	---	---	25.2	40.4
TH06E10	**1572**	---	---	109	---	---	---	---	---	---	25.5	41.4
TH06E11	**1758**	---	---	122	---	---	---	---	---	---	23.6	44.2
TH06E4	**1934**	---	---	134	---	---	---	---	---	---	26.2	41.9
TH905492	**1631**	---	---	113	---	---	---	---	---	---	27.1	40.2

40.2

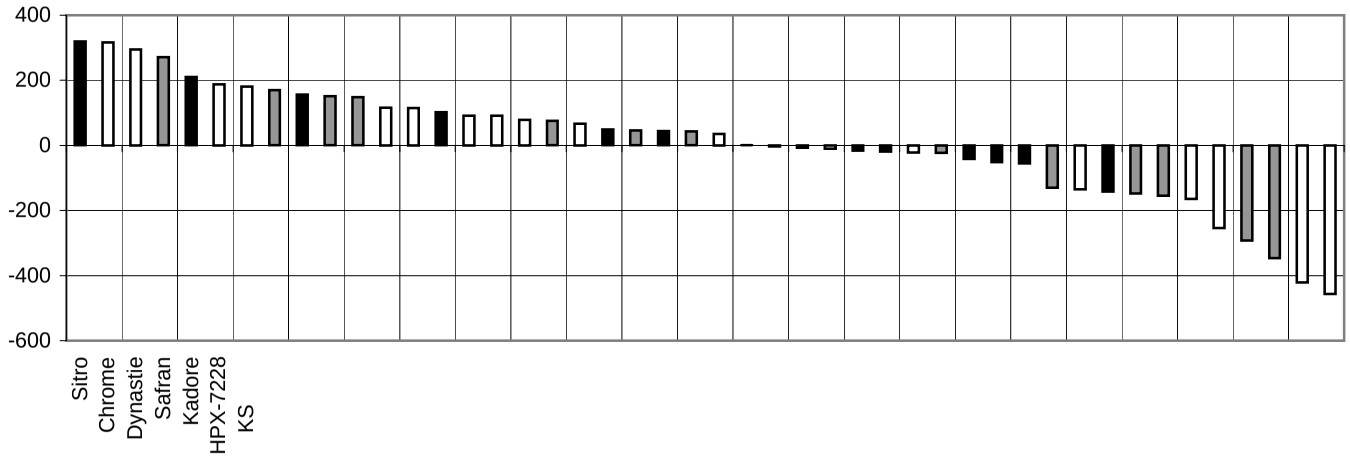

Figure 3. Great Plains Winter Canola Summary, 2005-2010.

Note: Values are 6-year moving averages of the differences between each cultivar and the mean of Baldur, Sumner, and Wichita for yield (lb/a), winter survival (%), plant height (in.), 50% bloom date (days), and total oil content (%). The number of observations for each trait is represented by the different colored bars (shown at right).

Figure 3. Great Plains Winter Canola Summary, 2005-2010 (continued).

Lamberton, Minnesota

Steve Quiring
University of Minnesota

Planted:

Table 35. Results for the 2010 National Winter Canola Variety Trial at Torrington, WY

Name	Yield (lb/a)			Yield (% of test avg.)	Winter Survival (%)			Plant Height	Moisture	Test Weight	Protein	Oil
	2010	2009	2-Yr.	2010	2010	2009	2-Yr.	(in.)	(%)	(lb/bu)	(%)	(%)
Virginia State University												
Virginia	**2498**	1949	2224	114	83	53	68	34	6.0	---	25.6	**41.5**
Mean	2192	2693	---	---	82	77	---	37	5.8	---	26.7	40.3
CV	14	14	---	---	10	13	---	4	19.8	---	3.4	2.5
LSD (0.05)	515	621	---	---	13	16	---	3	NS	---	1.8	2.0

Bold - Superior LSD Group - Unless two entries differ by more than the LSD, little confidence can be placed in one being superior to the other.

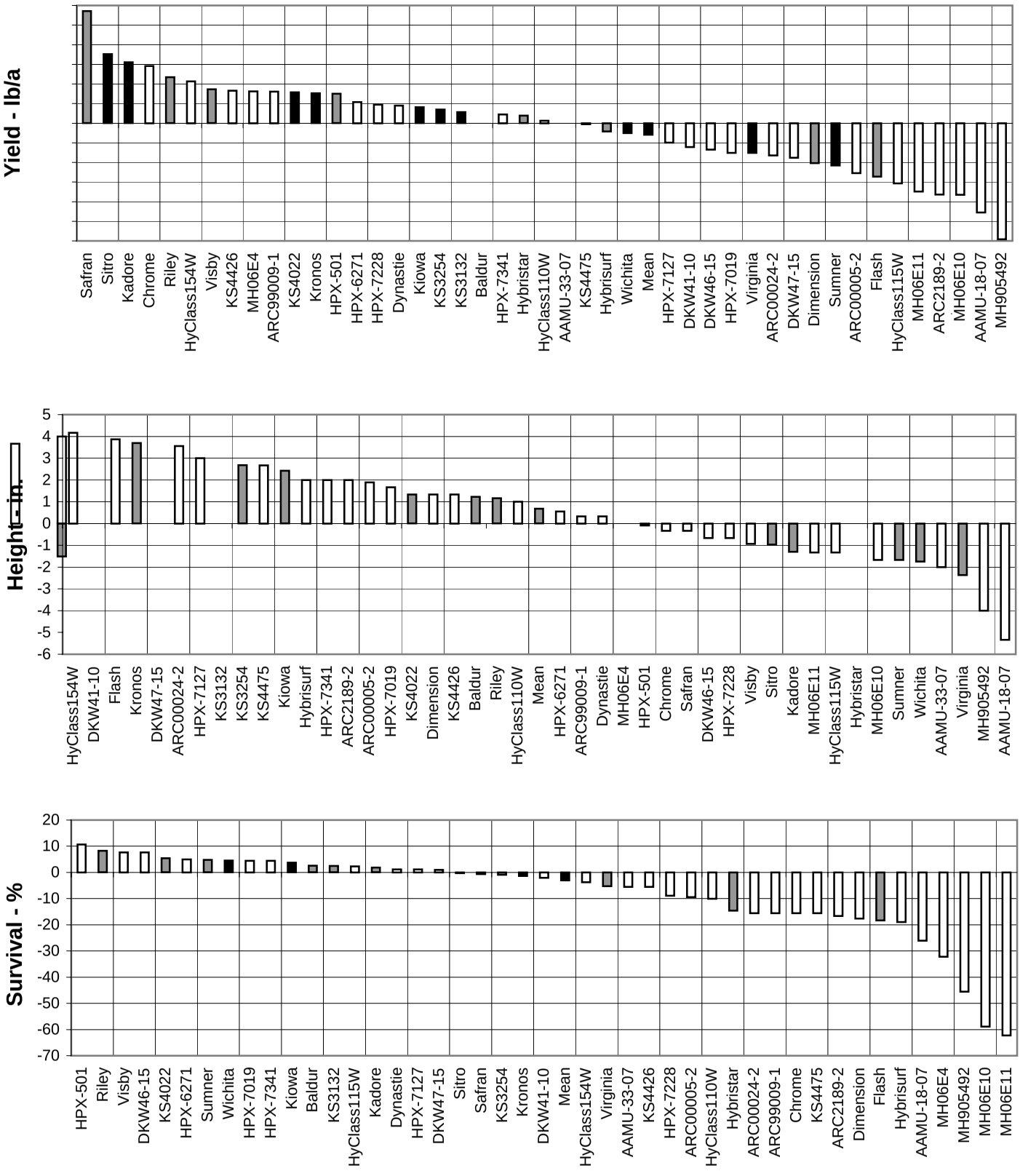

Figure 4. Northern Winter Canola Summary, 2005-2010.

Table 37. Seed sources for entries in the 2009-2010 National Winter Canola Variety Trial

Brand/Name	Type[1]

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