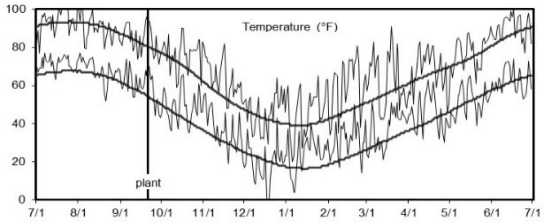
Hutchinson, Kansas

Gary Cramer
Kansas State University

Planted: 9/21/2016 in 9-in. rows
Seeding Rate OP: 500,000 seeds/acre
Seeding Rate Hybrid: 300,000 seeds/acre
Swathed: 6/10/2017
Harvested: 6/24/2017
Herbicides: 10 oz/a Assure II
Insecticides: Sprayed for diamondback moth larvae
Irrigation: None
Previous crop: Wheat
Soil test: NA
Fertilizer: 75-0-0-0 lb N-P-K-S fertilizer in the fall
75-0-0-0 lb N-P-K-S fertilizer in the spring
Soil type: Funmar-Taver loam
Elevation: 1630 ft Latitude: 37° 56'N
Comments: Plants attained the optimum amount of fall growth going into the winter. Winterkill was minimal as a result. Yields were above average.



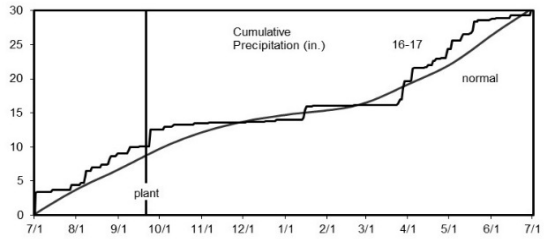


Table 1. Results for the 2017 National Winter Canola Variety Trial, open-pollinated cultivars, at Hutchinson, KS

Name	Type	Yield (lb/a)			Yield (% of test avg.)	Winter survival (%)			Fall stand	50% bloom	Plant height	Moisture	Test weight
		2017	2016	2 yr.	2017	2017	2016	2 yr.	(1-10)	(d)	(in.)	(%)	(lb/bu)
CROPLAN by WinField													
HyCLASS115W	OP	2474	1996	2235	99	96.7	---	---	8.0	89.3	42	6.6	50.6
HyCLASS225W	OP	2241	2497	2369	90	96.0	---	---	8.7	92.7	42	6.8	52.1
CROPLAN EXP52-16	OP	2647	---	---	106	99.3	---	---	8.7	89.0	41	6.8	51.3
Kansas State University													
KS4675	OP	2817	---	---	113	99.3	---	---	8.0	90.7	46	6.8	50.9
KSR4653S	OP	2437	---	---	97	96.0	---	---	9.0	90.3	42	6.6	51.4
KSR07363	OP	2316	2193	2255	93	99.3	---	---	9.0	91.7	41	6.7	51.1
KSUR1211	OP	2743	2724	2733	110	100	---	---	7.7	94.7	46	7.1	51.7
Riley	OP	2723	2578	2650	109	97.7	---	---	9.0	90.3	45	6.5	51.8
Sumner	OP	2538	1928	2233	102	99.3	---	---	8.0	87.3	43	7.0	52.3
Torrington	OP	2935	2600	2768	117	100	---	---	7.3	89.3	47	7.1	51.0
Wichita	OP	2374	1802	2088	95	98.7	---	---	8.3	94.0	46	7.1	52.2
MOMONT													
MH 09DJ058	OP	2756	---	---	110	86.7	---	---	9.0	92.0	37	6.5	50.2
Quartz	OP	**3423**	2334	2879	137	98.7	---	---	8.7	92.7	41	7.0	51.1
Monsanto / DEKALB													
DKW44-10	OP	2778	2501	2639	111	99.3	---	---	9.0	92.3	40	6.5	51.2
DKW45-25	OP	2451	2774	2612	98	93.3	---	---	9.7	90.7	43	6.7	51.6
DKW46-15	OP	2487	1823	2155	99	97.0	---	---	8.3	91.0	41	5.8	51.4
Star Specialty Seed													
Star 915W	OP	2421	2000	2210	97	98.7	---	---	7.7	91.7	44	6.2	50.9
University of Idaho													
15.WC.1	OP	2143	2317	2230	86	95.3	---	---	8.7	95.3	45	7.3	51.4
15.WC.05633	OP	1846	2034	1940	74	88.3	---	---	8.7	96.7	41	7.6	50.9
WC.9.7.5.7	OP	1933	---	---	77	96.0	---	---	9.3	95.3	44	7.4	49.8
WC.15.7.5	OP	2147	---	---	86	99.3	---	---	9.0	99.7	50	7.5	50.7
Grand Mean		2500	2235	2368	---	96.9	---	---	8.6	92.2	43	6.8	51.2
Common Check OP Mean		2840	---	---	---	98.3	---	---	8.7	92.3	44	6.8	51.7
Common Check Hybrid Mean		3033	---	---	---	98.4	---	---	8.4	92.1	46	7.4	51.1
CV (%)		10	20	---	---	2.6	---	---	5.2	1.2	3	3.5	1.3
LSD (0.05)		421	NS	---	---	4.2	---	---	0.7	1.8	3	0.4	1.2

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 2. Results for the 2017 National Winter Canola Variety Trial, hybrid cultivars, at Hutchinson, KS

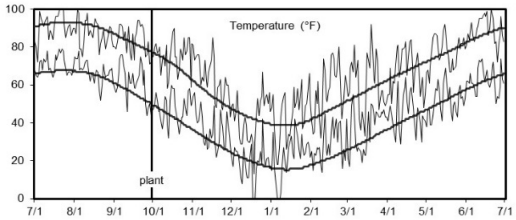
Name	Type	Yield (lb/a)			Yield (% of test avg.)	Winter survival (%)			Fall stand	50% bloom	Plant height	Moisture	Test weight
		2017	2016	2 yr.	2017	2017	2016	2 yr.	(1-10)	(d)	(in.)	(%)	(lb/bu)
DL Seeds Inc													
Einstein	Hybrid	3143	3045	3094	102	90.0	---	---	8.0	92.3	43	7.4	51.6
Kuga	Hybrid	3167	---	---	97	98.0	---	---	8.7	88.7	43	7.4	51.6
Plurax CL	Hybrid	2996	---	---	103	99.3	---	---	8.0	88.7	46	7.4	52.1
Popular	Hybrid	**3204**	2173	2688	103	98.0	---	---	9.0	91.3	43	7.3	51.8
Kansas State University													
Riley	OP	2875	---	---	88	98.0	---	---	8.3	89.3	46	7.2	51.2
Wichita	OP	2715	---	---	101	98.7	---	---	8.7	94.3	46	7.5	50.4
MOMONT													
Hekip	Hybrid	3121	2630	2876	113	91.7	---	---	8.7	89.7	41	7.3	50.9
Quartz	OP	**3509**	---	---	87	98.7	---	---	8.3	92.7	46	7.6	51.7
MH 12AY04	Hybrid	2703	---	---	95	88.3	---	---	8.7	95.7	49	7.5	50.8
MH 12AY27	Hybrid	2943	2380	2662	94	87.7	---	---	8.3	97.3	48	8.0	48.9
MH 12AY36	Hybrid	2906	---	---	113	89.3	---	---	7.7	95.7	48	7.6	50.9
Monsanto / DEKALB													
DK Imiron CL	Hybrid	**3502**	2424	2963	105	99.3	---	---	8.0	94.0	49	7.9	51.1
DK Imistar CL	Hybrid	**3261**	2424	2842	112	100	---	---	7.0	94.3	48	7.7	51.0
DK Sensei	Hybrid	**3464**	2272	2868	101	99.3	---	---	8.0	94.3	45	7.8	50.7
DK Severnyi	Hybrid	3119	2449	2784		91.7	---	---	8.3	94.0	40	7.6	50.5
Rubisco Seeds													
Edimax CL	Hybrid	3185	2552	2869	93	93.7	---	---	8.3	94.0	49	7.8	51.2
Inspiration	Hybrid	2871	2499	2685	101	91.0	---	---	7.7	91.0	48	7.8	50.7
Mercedes	Hybrid	3148	3024	3086	101	95.3	---	---	8.3	94.3	45	7.4	50.7
Grand Mean		3102	2449	2775	---	94.9	---	---	8.2	92.9	46	7.6	51.0
Common Check Hybrid Mean		3033	---	---	---	98.4	---	---	8.4	92.1	46	7.4	51.1
Common Check OP Mean		2840	---	---	---	98.3	---	---	8.7	92.3	44	6.8	51.7
CV (%)		6	18	---	---	0.0	---	---	7.2	1.0	4	1.9	1.6
LSD (0.05)		319	NS	---	---	6.4	---	---	NS	1.6	3	0.2	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.

Manhattan, Kansas

Michael Stamm
Kansas State University

Planted:	9/30/2016 in 9-in. rows
Seeding Rate OP:	500,000 seeds/acre
Seeding Rate Hybrid:	300,000 seeds/acre
Swathed:	6/5/2017
Harvested:	6/9/2017
Herbicides:	1 qt/a Treflan, 10 oz/a Assure II
Insecticides:	None
Irrigation:	None
Previous crop:	Wheat
Soil test:	NA
Fertilizer:	35-0-0-30 lb N-P-K-S fertilizer in fall 100-0-0 lb N-P-K fertilizer in spring
Soil type:	Smolan silt loam
Elevation:	1064 ft Latitude: 39° 12'N
Comments:	Planting was delayed because of wet soils. Despite warm autumn temperatures the plots did not have excessive growth.



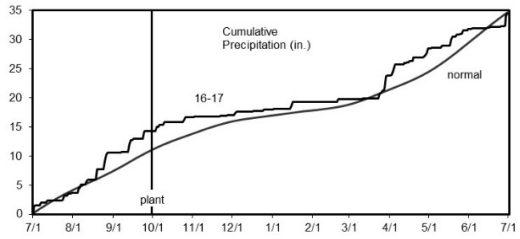


Table 3. Results for the 2017 National Winter Canola Variety Trial, open-pollinated cultivars, at Manhattan, KS

Name	Type	Yield (lb/a)			Yield (% of test avg.)	Winter survival (%)			Fall stand	50% bloom	Plant height	Moisture	Test weight
		2017	2016	2 yr.	2017	2017	2016	2 yr.	(1-10)	(d)	(in.)	(%)	(lb/bu)
CROPLAN by WinField													
HyCLASS115W	OP	**1997**	---	---	110	99.3	---	---	8.7	94.3	49.3	6.8	49.3
HyCLASS225W	OP	**2006**	---	---	110	98.3	---	---	9.3	96.0	51.3	7.4	48.4
CROPLAN EXP52-16	OP	**1929**	---	---	106	100	---	---	9.0	94.3	47.3	6.8	48.9
Kansas State University													
KS4675	OP	**1926**	---	---	106	99.3	---	---	8.7	95.3	53.3	7.1	48.1
KSR4653S	OP	**1881**	---	---	104	95.0	---	---	8.7	95.7	52.7	7.1	49.2
KSR07363	OP	**1796**	---	---	99	99.3	---	---	9.0	95.7	52.0	6.8	49.1
KSUR1211	OP	**2093**	---	---	115	99.3	---	---	9.3	97.7	54.0	8.0	48.3
Riley	OP	**2036**	---	---	112	99.3	---	---	9.0	96.0	52.0	7.1	48.5
Sumner	OP	1602	---	---	88	100	---	---	9.3	94.0	47.3	6.6	48.3
Torrington	OP	**2007**	---	---	111	100	---	---	7.7	94.7	58.7	7.1	48.5
Wichita	OP	1756	---	---	97	96.7	---	---	8.7	97.0	54.0	7.1	48.9
MOMONT													
MH 09DJ058	OP	1663	---	---	92	91.7	---	---	8.7	97.0	47.3	6.6	47.7
Quartz	OP	**1886**	---	---	104	99.3	---	---	8.3	96.7	49.3	8.7	48.2
Monsanto / DEKALB													
DKW44-10	OP	**2012**	---	---	111	99.3	---	---	9.3	95.3	45.3	7.8	46.9
DKW45-25	OP	**1842**	---	---	101	97.0	---	---	9.0	96.7	53.3	7.1	48.2
DKW46-15	OP	**1816**	---	---	100	99.3	---	---	8.7	95.7	51.3	5.5	48.8
Star Specialty Seed													
Star 915W	OP	1705			94	98.3			8.0	95.7	50.0	7.2	48.9
University of Idaho													
15.WC.1	OP	1574	---	---	87	87.7	---	---	9.7	99.3	50.0	8.3	47.2
15.WC.05633	OP	1409	---	---	78	91.7	---	---	9.0	98.7	48.0	8.7	47.5
WC.9.7.5.7	OP	1514	---	---	83	94.3	---	---	9.0	99.0	51.3	8.1	45.8
WC.15.7.5	OP	1685	---	---	93	96.7	---	---	9.7	99.0	58.0	9.3	47.7
Grand Mean		1816	---	---	---	97.2	---	---	8.9	96.4	51.2	7.4	48.2
Common Check OP Mean		1893	---	---	---	98.4	---	---	8.7	96.6	51.8	7.6	48.6
Common Check Hybrid Mean		1818	---	---	---	98.4	---	---	8.8	96.9	51.8	7.0	48.2
CV (%)		10	---	---	---	3.4	---	---	9.1	1.3	5.5	6.7	2.4
LSD (0.05)		305	---	---	---	5.5	---	---	NS	2.1	4.7	0.8	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.

Table 4. Results for the 2017 National Winter Canola Variety Trial, hybrid cultivars, at Manhattan, KS

Name	Type	Yield (lb/a)			Yield (% of test avg.)	Winter survival (%)			Fall stand	50% bloom	Plant height	Moisture	Test weight
		2017	2016	2 yr.	2017	2017	2016	2 yr.	(1-10)	(d)	(in.)	(%)	(lb/bu)
DL Seeds Inc.													
Einstein	Hybrid	1842	---	---	90	94.3			8.7	96.0	52.0	7.4	49.2
Kuga	Hybrid	**2335**	---	---	114	98.7	---	---	9.0	94.0	50.7	7.0	49.5
Plurax CL	Hybrid	1938	---	---	94	98.3	---	---	7.7	94.3	51.3	6.5	50.0
Popular	Hybrid	2010	---	---	98	96.7	---	---	8.7	95.7	52.7	6.2	49.7
Kansas State University													
Riley	OP	1842	---	---	90	100	---	---	9.0	96.3	52.7	6.9	47.7
Wichita	OP	1747	---	---	85	99.3	---	---	8.3	97.3	55.3	6.5	48.7
MOMONT													
MH 12AY04	Hybrid	1824			89	93.7	---	---	9.0	99.3	56.0	6.1	47.8
MH 12AY27	OP	**2137**	---	---	104	94.3	---	---	9.3	99.7	54.7	9.0	48.0
MH 12AY36	Hybrid	**2315**	---	---	113	93.7	---	---	9.0	99.0	58.0	8.2	48.2
Hekip	Hybrid	**2326**	---	---	113	96.0	---	---	9.0	94.0	52.7	7.2	48.5
Quartz	Hybrid	1867	---	---	91	96.0	---	---	9.0	97.0	47.3	7.5	48.3
Monsanto / DEKALB													
DK Imiron CL	Hybrid	**2148**	---	---	105	100	---	---	8.3	96.7	52.7	6.5	49.7
DK Imistar CL	Hybrid	2044	---	---	99	100	---	---	9.0	97.3	50.7	6.7	50.0
DK Sensei	Hybrid	2013	---	---	98	99.3	---	---	9.0	97.7	52.7	6.6	49.5
DK Severnyi	Hybrid	1982	---	---	96	99.3	---	---	9.0	96.0	45.3	5.8	48.4
Rubisco Seeds			---	---									
Edimax CL	Hybrid	2014	---	---	98	94.3	---	---	8.3	96.3	55.3	7.6	49.4
Inspiration	Hybrid	**2118**	---	---	103	90.0	---	---	9.0	96.3	54.7	7.3	48.4
Mercedes	Hybrid	**2351**	---	---	114	98.7	---	---	9.0	96.0	52.7	7.5	49.6
Grand Mean		2055	---	---	---	96.8	---	---	8.8	96.6	52.6	7.0	48.9
Common Check Hybrid Mean		1818	---	---	---	98.4	---	---	8.8	96.9	51.8	7.0	48.2
Common Check OP Mean		1893	---	---	---	98.4	---	---	8.7	96.6	51.8	7.6	48.6
CV (%)		8	---	---	---	4.2	---	---	8.5	0.8	5.1	8.6	1.4
LSD (0.05)		269	---	---	---	NS	---	---	NS	1.3	4.4	1.0	1.2

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.