



canola²⁰¹²
PERFORMANCE TRIALS

**INFORMED
SEEDING
DECISIONS.**

This is preliminary data. For the latest data, go to www.canolaperformancetrials.ca

Brought to you by:



THE NEXT GENERATION IN VARIETY EVALUATION.

Canola Performance Trials (CPT) represent the next generation in variety evaluation for Western Canadian canola growers. The trials provide:

- Relevant, unbiased and timely performance data that reflects actual production practices.
- Comparative data on leading varieties and newly introduced varieties.

The CPT system includes both small plot and large field scale trials. Results for 2012 are based on 23 small plot trials and 81 field scale trials across the Prairies. Trial results that missed the print deadline for this brochure will be available online at www.canolaperformancetrials.ca.

Field scale comparisons add extra perspective for assessing consistency in variety performance. For field scale plots, two or more varieties were compared at each site, and each site had a common check, 73-75 RR. Comparisons are based on harvested strips of 0.5 to 1.5 acres each. Field scale data is not necessarily replicated in all cases, but the data presented has been audited to make sure it complies with CPT protocols.

The CPT technical committee established protocols and developed research plot designs to ensure that the data is representative. Performance objectives were established to provide guidelines on timely field operations and data collection.

Site distribution is based on seeded acres in Manitoba, Saskatchewan, Alberta and British Columbia.

The small plot system ensures that:

- All varieties are treated with appropriate commercially associated herbicides and seed treatments.
- An independent third party representative inspects all trials.
- Varieties are in blocks based on maturity. That way, harvest occurs at the appropriate time to minimize harvest losses due to maturity differences.

All sites are inspected to verify these guidelines were followed to allow a fair comparison among the varieties tested.

Audits of field scale projects give growers the confidence that the protocol was conducted in a scientifically sound manner and that comparisons are appropriate. Qualified professionals with extensive background in conducting field scale research trials perform the audits.

This booklet is one of several sources of information to consider in making the best decisions for your farm.



PROGRAM MANAGEMENT

The three Prairie canola grower groups – Alberta Canola Producers Commission, the Saskatchewan Canola Development Commission (SaskCanola) and the Manitoba Canola Growers Association – fund the program.

Seed trade companies that participate pay entry fees. The B.C. Grain Producers Association is conducting trials in the Peace region as their means of participation.

Haplotech (led by Dr. Rale Gjuric) coordinates the trials under the guidance of a governance committee that oversees approval of varieties, protocol design, data collection, analysis and reporting, and financial management. Governance committee members include representatives from the provincial grower groups including B.C.; provincial oilseed specialists from Manitoba, Saskatchewan and Alberta; three commercial Canadian Seed Trade Association representatives; and the Canola Council of Canada (CCC). The CCC delivers the program on their behalf.

Participants in the small plot trials consist of line companies, independent retailers and seed companies including Viterra, Bayer CropScience, Monsanto, Cargill, Canterra Seeds, BrettYoung Seeds, FP Genetics and SeCan. For 2012, Monsanto, Bayer CropScience and Canterra Seeds are also participating in the field-scale component of the program.

USING THE TABLES

Results are organized by short, medium and long season zones. CPT uses the Western Canada Canola/Rapeseed Recommending Committee (WCC/RRC) season zones, which are based on typical frost free days, growing degree days and soil type. Grey wooded soils, for example, are in the short season zone. See Table A for specific numbers for each zone.

Table A: Season Zones		
Season	Frost Free Days	Growing Degree Days (Base 5°C)*
Short	75–95	1,100–1,450
Medium	95–115	1,450–1,700
Long	115+	1,700+

*On a base 5°C scale, growing degree days only accumulate on days when highs are above 5°C.

Small plot and field scale data are presented separately in the following tables. For more detailed performance results, growing conditions and production details for specific trial sites, use the online CPT database at www.canolaperformancetrials.ca.

The tables include yield, days to maturity, height and lodging scores for each variety. Lodging scores are between 1 and 5, with 1 being no lodging and 5 being completely lodged.

Gross revenue is based on yield multiplied by \$14.79/bu. This is based on \$591.60 per tonne, the March 2013 futures close on October 1, 2012, and a 55-pound bushel weight. Premiums are included in the calculations for specialty market varieties.

In the tables, varieties are listed numerically and alphabetically, starting with Clearfield (CL) varieties, followed by Liberty Link (LL) and Roundup Ready (RR).

Each zone and small plot location is identified on the map on page 5.

1. To begin, use the map on page 5. Identify your growing season zone and trial locations closest to your farm.
2. To evaluate yield potential, look at all small plot and field scale locations in your growing season zone and the average yield for your zone.
3. Consider other information such as maturity, lodging resistance and cost. The online database at www.canolaperformancetrials.ca includes an Economic Calculator.
4. Ask your seed dealer for more information on specific varieties.

TOOLS TO HELP YOU MAKE BETTER CHOICES

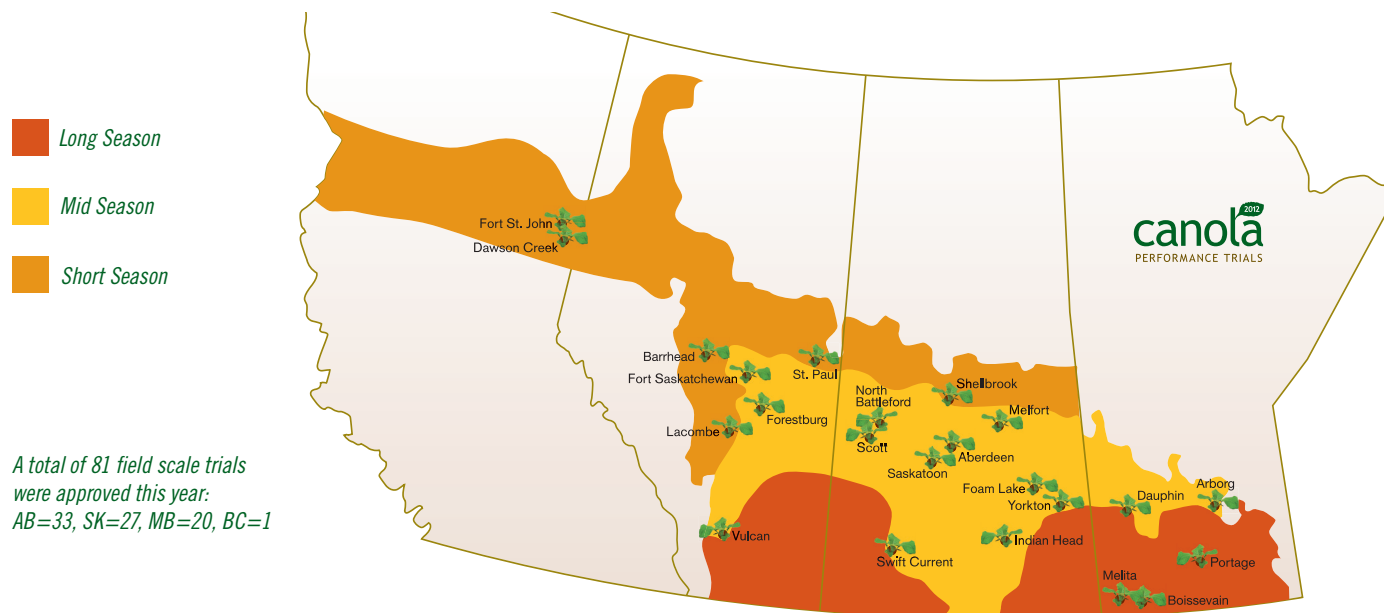
CV – For coefficient of variation (CV), the lower the CV value, the more reliable the test. For example, if comparing results from two test locations, one with a CV of 4% and the other with a CV of 8%, the test with the CV of 4% can be considered more reliable. There is always variability in research trials. The key is designing and managing experiments so CVs stay within a reasonable range. For the CPT, experience has shown that CVs below 15% indicate good test reliability.

LSD – The least significant difference (LSD) for each dataset indicates whether differences between varieties are statistically meaningful. Varieties should only be considered different in yield performance if the numerical difference between them is

greater than the LSD value. Using the sample table below, if the LSD is 5.0, varieties A and B are not statistically different, B and C are not statistically different, but A and C are statistically different. In the yield graphs for each season zone (see page 7), LSD for each variety group is given on the left.

Variety	Yield (bu./ac.)
A	52
B	54
C	58
LSD	5.0

Small Plot Locations throughout Western Canada





CANOLA PERFORMANCE TRIALS 2012 RESULTS

Average Results by Season Zone (small plot data)

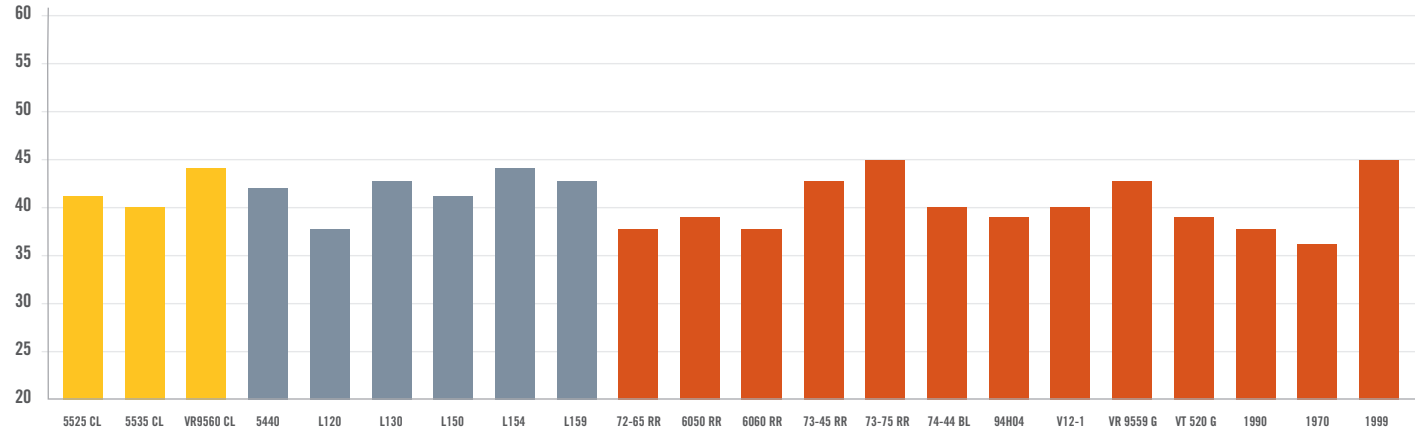
Variety	Long Season Zone (average of 4 sites)				Mid Season Zone (average of 13 sites)				Short Season Zone (average of 6 sites)				Distributor
	Yield (bu./ac.)	Days to Maturity	Lodging	Height (in.)	Yield (bu./ac.)	Days to Maturity	Lodging	Height (in.)	Yield (bu./ac.)	Days to Maturity	Lodging	Height (in.)	
Clearfield													
5525 CL	41	91.7	1.4	46	47	96.1	2.5	43	53	98.9	2.0	45	BrettYoung
5535 CL	40	88.0	1.5	45	43	93.2	3.2	40	52	95.0	3.0	43	BrettYoung
VR 9560 CL	44	92.2	1.8	47	51	97.5	3.0	45	53	100.1	2.6	46	Viterra
LSD	6.4				6.5				7.8				
Liberty Link													
5440	42	90.7	1.2	46	53	95.1	1.9	43	55	97.9	1.5	46	Bayer CropScience
L120	38	90.2	1.4	44	47	94.7	2.3	41	54	95.9	1.9	44	Bayer CropScience
L130	43	88.6	1.3	44	51	93.3	2.2	42	52	96.7	1.3	44	Bayer CropScience
L150	41	90.3	1.8	46	52	95.6	2.9	42	56	98.1	1.9	46	Bayer CropScience
L154	44	91.0	1.5	46	54	95.6	2.5	44	57	97.9	2.1	46	Bayer CropScience
L159	43	91.8	1.4	49	53	95.6	2.1	45	52	98.4	1.5	49	Bayer CropScience
LSD	5.9				5.4				5.4				
Roundup Ready													
72-65 RR	38	90.0	2.2	42	48	95.9	3.3	41	55	98.5	2.8	41	Dekalb
6050 RR	39	87.7	2.2	43	47	94.1	3.4	40	54	96.8	3.2	39	BrettYoung
6060 RR	38	93.2	1.4	47	50	97.5	2.6	43	52	102.0	2.1	45	BrettYoung
73-45 RR	43	87.6	2.2	41	48	93.5	3.2	39	52	95.6	3.1	38	Dekalb
73-75 RR	45	89.3	1.8	44	52	95.0	3.4	41	54	96.9	3.1	42	Dekalb
74-44 BL	40	90.1	1.6	43	50	94.4	2.9	41	55	96.8	2.6	40	Dekalb
94H04	39	88.5	1.9	46	46	94.0	3.5	40	51	96.3	2.9	41	FP Genetics
V12-1*	40	91.1	1.8	45	52	96.8	2.8	43	52	99.1	2.4	44	Cargill – Victory Hybrid Canola
VR 9559 G	43	91.0	1.6	47	50	96.6	2.4	44	55	100.2	2.1	46	Viterra
VT 520 G	39	93.7	1.2	48	52	98.0	1.7	45	52	101.2	1.0	47	Viterra
1990	38	89.7	1.7	45	51	96.3	3.0	41	55	99.8	2.4	42	Canterra Seeds
1970	36	92.9	1.3	48	50	97.1	2.2	44	–	–	–	–	Canterra Seeds
1999	45	89.7	1.5	45	52	95.0	3.0	42	–	–	–	–	Canterra Seeds
74-47 CR	–	–	–	–	52	96	3	42	55	98	3	43	Dekalb
73-15 RR	–	–	–	–	–	–	–	–	51	95	3	40	Dekalb
LSD	5.4				6.2				6.6				

*Indicates premium. For program details, see www.canolaperformancetrials.ca

Long Season Zone:

Average yield for 4 small plot sites (bu./ac.)

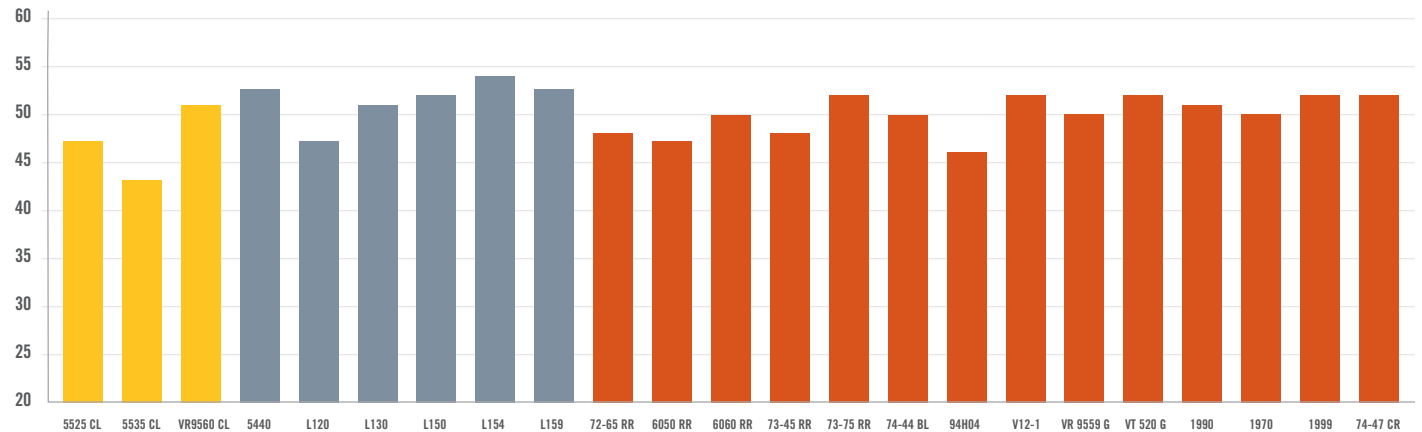
- Clearfield LSD: 6.4
- Liberty Link LSD: 5.9
- Roundup Ready LSD: 5.4



Mid Season Zone:

Average yield for 13 small plot sites (bu./ac.)

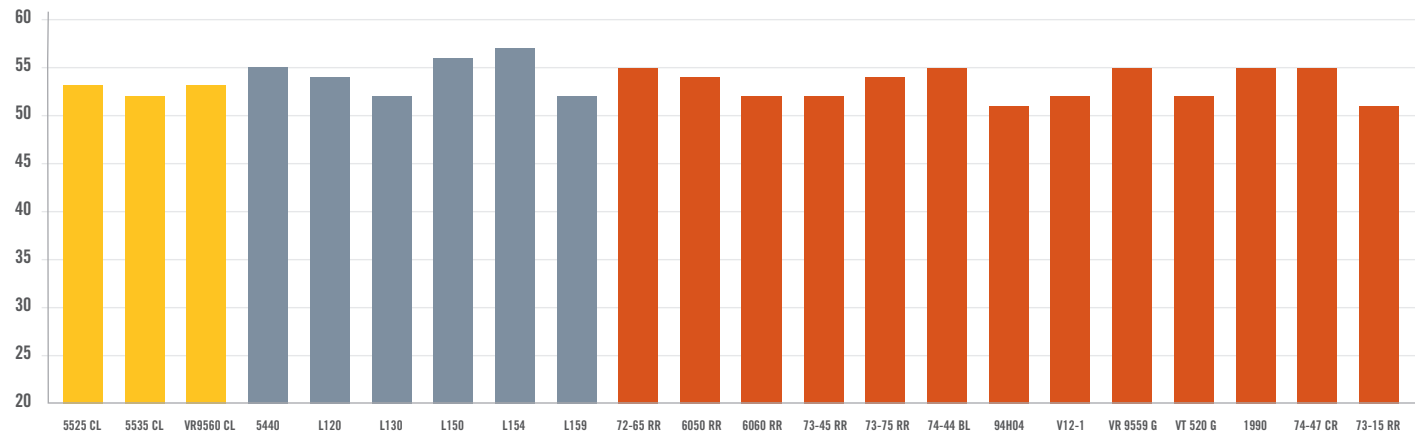
- Clearfield LSD: 6.5
- Liberty Link LSD: 5.4
- Roundup Ready LSD: 6.2



Short Season Zone:

Average yield for 6 small plot sites (bu./ac.)

- Clearfield LSD: 7.8
- Liberty Link LSD: 5.4
- Roundup Ready LSD: 6.6



CANOLA PERFORMANCE TRIALS 2012 RESULTS

Long Season Zone: Small plot results by location

Variety	Boissevain, MB					Dauphin, MB					Melita, MB					Portage, MB					
	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	
Clearfield																					
5525 CL	38	\$565	88.0	1.3	47	35	\$519	88.5	1.8	42	34	\$505	110.0	–	50	58	\$852	84.8	1.3	47	
5535 CL	41	\$600	82.8	1.8	45	30	\$442	82.8	1.8	40	39	\$571	109.0	–	48	53	\$783	82.8	1.0	48	
VR 9560 CL	44	\$658	90.8	1.8	49	39	\$572	86.8	1.5	44	34	\$505	110.7	–	52	58	\$859	85.3	2.0	45	
LSD	3.9					6.9					4.6					10.3					
Liberty Link																					
5440	34	\$507	87.8	1.3	47	39	\$570	88.3	1.3	41	37	\$546	109.3	–	49	57	\$840	82.3	1.0	48	
L120	40	\$596	84.5	1.0	47	31	\$462	86.8	1.8	40	26	\$388	110.3	–	46	53	\$787	84.3	1.5	45	
L130	46	\$675	83.5	1.5	43	35	\$524	83.8	1.3	39	32	\$479	110.7	–	46	57	\$847	82.0	1.0	47	
L150	39	\$571	87.3	2.0	46	36	\$530	85.5	1.8	42	31	\$460	110.3	–	50	58	\$853	83.3	1.5	48	
L154	40	\$595	87.3	1.3	47	40	\$597	88.0	1.8	41	36	\$535	110.3	–	52	58	\$861	83.3	1.5	47	
L159	42	\$620	90.5	1.0	50	32	\$470	88.3	1.8	45	36	\$539	109.0	–	51	60	\$888	83.8	1.5	49	
LSD	4.4					6.1					7.5					5.5					
Roundup Ready																					
72-65 RR	41	\$610	84.5	1.8	42	31	\$462	87.0	3.0	36	33	\$483	109.0	–	49	48	\$710	84.3	1.8	41	
6050 RR	44	\$646	81.0	2.0	40	29	\$427	83.0	3.0	41	34	\$497	108.3	–	48	49	\$722	83.8	1.5	44	
6060 RR	32	\$473	89.3	1.3	48	32	\$479	92.3	2.0	42	33	\$492	110.0	–	51	54	\$804	85.5	1.0	48	
73-45 RR	44	\$654	80.3	2.0	39	31	\$451	84.0	3.0	37	37	\$541	106.7	–	46	59	\$877	84.3	1.5	44	
73-75 RR	46	\$679	82.8	2.0	44	38	\$565	86.8	2.0	38	41	\$610	109.3	–	46	55	\$816	83.3	1.3	48	
74-44 BL	39	\$582	83.3	1.3	42	33	\$488	89.5	2.3	39	32	\$469	107.7	–	50	55	\$818	84.3	1.3	45	
94H04	40	\$594	82.8	1.3	47	33	\$484	86.8	2.8	40	30	\$442	107.0	–	51	52	\$773	82.0	1.8	45	
V12-1*	42	\$658	88.3	1.5	46	34	\$533	87.5	2.0	41	35	\$548	110.0	–	48	51	\$788	83.5	2.0	45	
VR 9559 G	41	\$605	87.8	1.3	48	39	\$579	88.5	2.0	43	37	\$542	109.3	–	52	55	\$819	83.0	1.5	47	
VT 520 G	35	\$512	91.3	1.0	49	36	\$532	91.0	1.5	42	33	\$494	112.0	–	49	52	\$766	85.0	1.0	52	
1990	29	\$425	86.5	1.5	43	34	\$507	87.0	2.0	42	36	\$529	108.0	–	52	54	\$800	81.8	1.5	43	
1970	36	\$529	89.8	1.0	48	31	\$456	91.0	2.0	45	25	\$369	110.3	–	52	54	\$802	85.0	1.0	48	
1999	48	\$717	84.5	1.5	45	39	\$571	85.5	2.0	39	38	\$561	109.0	–	52	55	\$808	84.5	1.0	47	
LSD	5.2					5.0					6.1					5.5					
CV	11.0					12.2					11.9					7.8					

*Gross revenue for this Cargill Specialty Canola hybrid includes a premium of \$1.13 per bushel for the first 30 bushels. Cargill has the option to purchase growers' full production with applicable premiums. Yield is rounded to the nearest whole number. Gross revenue is based on non-rounded yield. Gross revenue is yield multiplied by \$14.79/bu.

Mid Season Zone: Small plot results by location

Variety	Arborg, MB					Aberdeen, SK					Foam Lake, SK					Indian Head, SK					Melfort, SK					
	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	
Clearfield																										
5525 CL	40	\$595	94.0	1.3	41	34	\$500	–	–	37	57	\$846	99.3	2.8	36	34	\$502	93.9	2.4	51	38	\$555	90.3	3.0	41	
5535 CL	40	\$599	94.0	1.5	39	29	\$426	–	–	34	50	\$740	92.0	3.0	32	27	\$403	90.9	2.6	49	38	\$559	89.3	3.8	35	
VR 9560 CL	41	\$613	102.0	2.0	42	37	\$551	–	–	38	56	\$829	100.8	3.8	39	35	\$513	96.0	3.0	54	46	\$682	90.3	3.8	45	
LSD	8.5					4.2					8.2					4.7					8.4					
Liberty Link																										
5440	39	\$572	95.0	1.0	42	40	\$594	–	–	35	61	\$903	96.3	2.0	37	32	\$477	92.6	2.1	50	52	\$767	89.7	2.0	43	
L120	25	\$372	94.0	1.3	38	31	\$462	–	–	33	55	\$820	96.0	2.3	36	33	\$483	93.3	1.5	50	46	\$675	89.5	3.5	40	
L130	37	\$548	94.0	1.5	41	32	\$472	–	–	34	61	\$903	94.0	2.8	36	28	\$416	90.1	2.0	49	51	\$755	89.3	2.8	43	
L150	35	\$521	95.0	1.8	40	36	\$525	–	–	35	64	\$947	97.5	3.3	36	32	\$467	94.0	3.5	51	50	\$742	90.3	3.8	41	
L154	35	\$517	95.0	1.3	39	39	\$572	–	–	35	65	\$966	96.5	3.3	35	32	\$468	93.8	2.4	53	49	\$719	90.5	3.3	44	
L159	37	\$547	94.0	1.3	41	36	\$530	–	–	36	68	\$1,003	98.3	2.3	40	31	\$465	93.5	2.1	55	51	\$749	90.0	3.0	46	
LSD	7.2					7.4					6.5					4.0					7.21					
Roundup Ready																										
72-65 RR	41	\$607	95.0	1.8	39	37	\$548	–	–	36	52	\$770	97.0	3.8	33	34	\$505	93.3	1.8	47	44	\$649	90.3	4.5	37	
6050 RR	35	\$516	94.0	1.5	37	39	\$572	–	–	37	53	\$780	94.3	3.8	33	29	\$435	91.3	2.0	47	38	\$560	89.3	4.5	36	
6060 RR	36	\$536	94.0	2.0	39	40	\$595	–	–	36	59	\$880	99.0	2.8	35	38	\$561	96.4	2.6	51	48	\$709	91.3	2.8	41	
73-45 RR	44	\$653	94.8	1.3	37	38	\$560	–	–	35	51	\$753	94.0	3.3	33	29	\$422	90.1	2.3	46	44	\$645	89.3	4.3	37	
73-75 RR	56	\$833	94.0	2.8	36	44	\$657	–	–	37	58	\$862	96.5	3.0	37	32	\$469	92.9	3.0	48	44	\$649	90.3	4.3	39	
74-44 BL	39	\$571	94.0	1.3	37	41	\$599	–	–	36	53	\$785	96.3	2.8	35	37	\$547	92.3	1.9	48	45	\$667	89.5	4.0	39	
94H04	40	\$597	94.0	2.3	38	37	\$551	–	–	38	48	\$710	94.8	4.3	32	31	\$453	92.0	2.3	51	43	\$641	89.3	3.8	35	
V12-1*	37	\$584	102.0	2.3	42	42	\$656	–	–	37	66	\$1,015	99.0	3.5	38	34	\$530	93.9	2.3	51	51	\$791	89.5	3.3	42	
VR 9559 G	48	\$712	102.0	1.3	41	40	\$599	–	–	36	60	\$881	98.0	2.8	37	36	\$527	94.1	2.3	53	43	\$635	90.5	2.5	45	
VT 520 G	41	\$610	102.0	1.3	41	33	\$483	–	–	37	60	\$894	99.5	2.0	39	32	\$469	96.4	1.8	53	44	\$653	91.8	2.0	45	
1990	43	\$641	95.0	1.5	38	41	\$602	–	–	37	55	\$811	97.3	3.3	33	42	\$621	94.8	2.8	50	46	\$680	90.0	3.5	40	
1970	39	\$574	95.0	1.5	41	35	\$515	–	–	39	56	\$825	99.8	2.5	38	37	\$543	97.4	2.4	53	46	\$680	91.8	2.0	45	
1999	48	\$703	95.0	1.5	39	41	\$608	–	–	36	57	\$842	94.8	3.3	37	35	\$523	92.6	2.4	47	44	\$656	90.0	3.5	38	
74-47 CR	47	\$694	95.0	2.0	38	45	\$671	–	–	38	60	\$894	98.0	4.0	38	33	\$488	94.0	3.0	51	41	\$611	90.0	5.0	40	
LSD	7.2					5.5					7.0					3.2					9.8					
CV	14.1					10.4					8.9					7.3					9.7					

*Gross revenue for this Cargill Specialty Canola hybrid includes a premium of \$1.13 per bushel for the first 30 bushels. Cargill has the option to purchase growers' full production with applicable premiums. Yield is rounded to the nearest whole number. Gross revenue is based on non-rounded yield. Gross revenue is yield multiplied by \$14.79/bu.

CANOLA PERFORMANCE TRIALS 2012 RESULTS

Mid Season Zone: Small plot results by location

Variety	North Battelford, SK					Saskatoon, SK					Scott, SK					Swift Current, SK					
	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)	
Clearfield																					
5525 CL	63	\$929	98.5	2.0	47	62	\$919	91.3	2.8	44	46	\$684	97.3	2.0	45	25	\$362	90.0	–	37	
5535 CL	53	\$787	95.3	2.8	44	54	\$802	87.8	3.8	41	38	\$559	94.5	3.8	41	24	\$360	90.3	–	37	
VR 9560 CL	64	\$950	98.3	2.0	53	71	\$1,044	92.5	3.0	44	52	\$767	99.3	2.5	47	27	\$407	88.0	–	42	
LSD		6.21				7.3					7.2					4.2					
Liberty Link																					
5440	65	\$958	97.5	1.5	48	73	\$1,078	92.8	2.0	48	53	\$781	96.3	2.8	42	25	\$371	89.5	–	38	
L120	63	\$934	96.8	2.0	45	68	\$1,011	90.5	3.0	43	47	\$701	97.3	2.8	43	22	\$320	89.0	–	37	
L130	65	\$955	96.3	1.3	45	69	\$1,015	90.5	2.5	45	50	\$734	95.3	3.0	41	26	\$380	88.5	–	38	
L150	66	\$972	97.5	2.5	48	76	\$1,120	92.3	3.0	46	50	\$739	97.5	3.0	41	25	\$366	89.8	–	39	
L154	69	\$1,022	97.8	2.3	49	77	\$1,143	92.5	2.5	47	51	\$755	97.3	2.8	45	26	\$380	89.5	–	41	
L159	66	\$978	97.5	1.8	50	75	\$1,107	92.8	2.0	47	52	\$772	97.8	2.3	47	27	\$403	88.3	–	40	
LSD		2.95				5.0					3.0					3.2					
Roundup Ready																					
72-65 RR	58	\$864	99.0	2.8	42	63	\$936	90.5	4.0	40	49	\$723	99.0	3.8	39	23	\$346	90.0	–	45	
6050 RR	57	\$845	96.0	3.3	43	64	\$951	89.3	4.3	39	44	\$649	97.3	3.8	40	25	\$376	90.0	–	38	
6060 RR	65	\$968	101.0	2.0	50	68	\$1,002	94.8	2.8	41	49	\$728	101.0	3.0	43	23	\$344	89.8	–	39	
73-45 RR	58	\$861	94.0	3.3	41	66	\$974	90.3	4.3	38	45	\$669	97.0	3.8	39	27	\$397	90.3	–	38	
73-75 RR	64	\$943	97.8	3.0	45	69	\$1,026	90.8	4.0	41	48	\$711	96.3	3.3	41	27	\$397	89.5	–	38	
74-44 BL	61	\$898	96.0	2.3	44	67	\$996	91.3	4.5	38	45	\$671	97.8	3.8	40	26	\$381	90.0	–	38	
94H04	57	\$843	97.0	3.3	44	65	\$961	90.5	3.8	40	46	\$687	97.0	4.0	42	24	\$351	88.3	–	38	
V12-1*	64	\$985	98.8	2.3	49	72	\$1,097	93.5	3.0	44	50	\$766	99.3	3.0	45	27	\$439	89.8	–	37	
VR 9559 G	63	\$926	98.8	2.0	49	67	\$984	93.5	3.0	47	49	\$720	98.3	3.0	44	27	\$397	89.3	–	39	
VT 520 G	61	\$908	98.8	1.0	51	67	\$994	95.0	2.0	49	50	\$738	98.8	1.8	45	–	–	–	–	–	
1990	64	\$948	98.8	2.3	44	67	\$992	92.8	3.5	43	49	\$726	100.0	3.3	45	26	\$387	89.3	–	38	
1970	65	\$962	99.8	2.0	48	66	\$974	93.8	2.3	46	47	\$702	99.5	2.8	46	26	\$382	90.8	–	40	
1999	64	\$946	97.0	2.8	47	73	\$1,078	91.8	4.0	41	50	\$737	98.3	3.3	43	27	\$397	90.5	–	38	
74-47 CR	63	\$936	99.0	3.0	46	71	\$1,056	93.0	3.0	44	49	\$728	98.0	3.0	43	26	\$378	89.0	–	39	
LSD	4.1					5.0					8.5					2.6					
CV	4.5					5.5					10.3					7.8					

*Gross revenue for this Cargill Specialty Canola hybrid includes a premium of \$1.13 per bushel for the first 30 bushels. Cargill has the option to purchase growers' full production with applicable premiums. Yield is rounded to the nearest whole number. Gross revenue is based on non-rounded yield. Gross revenue is yield multiplied by \$14.79/bu.

Variety	Yorkton, SK					Forestburg, AB					Fort Saskatchewan, AB					Vulcan, AB				
	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)	Yield (bu/ac)	Gross revenue/ac	Days to maturity	Lodging	Height (In.)
Clearfield																				
5525 CL	45	\$666	93.5	2.0	42	61	\$899	100.0	–	42	63	\$924	108.3	4.0	50	48	\$704	98.3	–	44
5535 CL	45	\$669	89.0	2.5	39	48	\$707	98.0	–	39	64	\$942	102.0	4.8	47	48	\$712	96.8	–	41
VR 9560 CL	51	\$755	97.0	3.5	46	66	\$970	100.0	–	41	70	\$1,029	108.3	3.8	51	47	\$692	99.5	–	46
LSD	6.2					6.2					12.3					2.7				
Liberty Link																				
5440	56	\$821	92.5	1.8	40	57	\$847	99.0	–	40	82	\$1,216	104.0	1.8	50	49	\$727	98.0	–	44
L120	49	\$723	92.0	2.0	40	56	\$827	98.0	–	38	66	\$972	105.0	2.8	48	46	\$676	97.8	–	41
L130	53	\$786	90.5	1.8	41	58	\$855	98.0	–	39	78	\$1,152	101.3	2.3	47	51	\$750	95.8	–	45
L150	52	\$774	93.8	2.8	43	66	\$973	99.0	–	39	78	\$1,147	105.8	3.0	47	49	\$722	97.8	–	46
L154	62	\$920	94.0	2.3	44	69	\$1,022	99.0	–	43	81	\$1,201	106.3	2.8	50	49	\$728	97.8	–	46
L159	58	\$857	94.5	2.3	46	62	\$914	99.0	–	40	80	\$1,183	106.0	2.0	53	50	\$733	97.3	–	47
LSD	5.8					8.5					8.5					1.5				
Roundup Ready																				
72-65 RR	41	\$608	94.3	3.5	35	58	\$852	100.0	–	41	71	\$1,045	107.8	3.5	50	48	\$716	97.5	–	43
6050 RR	43	\$631	90.8	3.0	38	51	\$761	99.0	–	40	82	\$1,219	104.5	4.3	46	54	\$797	96.5	–	46
6060 RR	49	\$729	96.0	2.3	42	59	\$868	100.0	–	43	69	\$1,016	109.8	3.3	49	48	\$715	99.0	–	48
73-45 RR	50	\$745	89.8	2.8	36	51	\$759	98.0	–	35	64	\$944	103.3	4.0	48	54	\$799	94.3	–	44
73-75 RR	53	\$790	93.3	2.8	39	53	\$787	98.0	–	42	72	\$1,064	105.5	5.0	47	51	\$751	98.0	–	45
74-44 BL	50	\$736	90.5	2.8	38	58	\$864	98.0	–	42	72	\$1,068	104.8	3.3	47	51	\$752	95.5	–	46
94H04	39	\$584	91.5	4.0	37	57	\$849	98.0	–	38	63	\$929	103.7	4.7	47	49	\$730	97.0	–	46
V12-1*	47	\$723	94.8	2.3	41	73	\$1,115	99.0	–	41	69	\$1,048	106.5	3.0	49	47	\$736	97.5	–	48
VR 9559 G	48	\$717	94.3	2.3	40	60	\$892	98.0	–	45	65	\$967	106.0	2.8	49	50	\$740	98.0	–	48
VT 520 G	55	\$813	97.3	1.8	41	61	\$902	100.0	–	46	74	\$1,098	109.0	1.5	49	43	\$634	99.5	–	47
1990	45	\$671	94.3	2.5	40	62	\$920	100.0	–	37	69	\$1,028	106.5	4.3	46	52	\$768	97.8	–	49
1970	47	\$694	96.3	2.3	43	58	\$863	100.0	–	40	82	\$1,207	107.0	2.0	51	49	\$724	96.8	–	47
1999	53	\$780	93.0	3.3	40	53	\$778	100.0	–	41	79	\$1,174	104.5	3.3	51	56	\$829	96.3	–	47
74-47 CR	58	\$857	95.0	3.0	41	52	\$776	99.0	–	38	75	\$1,115	104.0	5.0	47	51	\$758	98.0	–	47
LSD	5.4					10.6					8.3					3.0				
CV	7.5					9.9					8.5					4.4				

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CANOLA PERFORMANCE TRIALS 2012 RESULTS

Short Season Zone: Small plot results by location

Variety	Shellbrook, SK					Barrhead, AB					Lacombe, AB				
	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)
Clearfield															
5525 CL	49	\$725	93.3	3.0	45	62	\$922	98.5	1.8	47	62	\$920	101.5	2.0	51
5535 CL	45	\$668	88.8	5.0	41	59	\$877	94.3	2.0	48	59	\$877	98.8	3.0	49
VR 9560 CL	56	\$834	93.3	3.8	49	62	\$918	102.5	2.5	49	56	\$835	102.8	2.8	49
LSD	5.2					4.5					4.5				
Liberty Link															
5440	61	\$905	93.5	1.3	48	64	\$944	98.5	1.8	47	59	\$867	101.3	1.8	53
L120	53	\$778	88.8	2.8	47	62	\$913	97.8	1.5	45	61	\$907	99.0	2.0	47
L130	55	\$812	90.8	1.5	46	63	\$931	97.3	1.3	47	60	\$894	99.5	1.5	48
L150	56	\$828	93.5	2.5	46	70	\$1,042	98.0	1.5	50	57	\$844	101.0	2.3	49
L154	57	\$840	92.5	3.3	46	71	\$1,054	97.5	2.0	50	60	\$894	101.0	2.0	49
L159	56	\$832	94.3	2.0	50	67	\$991	98.0	1.3	49	58	\$854	101.8	1.5	56
LSD	3.0					4.7					4.7				
Roundup Ready															
72-65 RR	51	\$755	92.0	4.3	44	65	\$963	101.0	2.3	41	52	\$774	102.0	2.0	45
6050 RR	51	\$754	88.8	4.5	46	67	\$984	97.3	2.3	43	50	\$746	100.3	2.8	42
6060 RR	54	\$793	96.5	2.5	53	58	\$855	106.0	1.8	47	54	\$799	104.5	2.0	52
73-45 RR	51	\$748	87.0	4.3	41	61	\$901	96.5	2.8	43	50	\$739	99.3	2.3	42
73-75 RR	54	\$798	90.8	4.5	46	52	\$769	96.3	2.5	44	56	\$823	100.5	3.0	46
74-44 BL	52	\$773	89.0	3.3	46	58	\$852	98.3	1.8	45	53	\$791	99.5	2.3	45
94H04	50	\$741	90.3	3.8	45	60	\$881	97.5	2.5	44	48	\$703	100.3	2.3	46
V12-1*	53	\$817	92.5	3.5	47	60	\$923	102.3	2.3	45	53	\$823	103.3	2.3	51
VR 9559 G	54	\$798	94.3	2.5	53	61	\$906	102.5	1.5	46	58	\$863	104.0	2.0	52
VT 520 G	54	\$797	96.3	1.0	50	60	\$890	103.8	1.0	48	52	\$768	104.8	1.0	53
1990	57	\$837	94.0	3.0	46	60	\$886	101.3	1.8	45	53	\$789	103.0	2.5	47
74-47 CR	51	\$756	92.0	4.0	50	61	\$899	97.0	2.0	44	53	\$778	101.0	3.0	47
73-15 RR	41	\$603	87.0	5.0	47	58	\$862	94.0	2.0	43	56	\$827	99.0	3.0	44
LSD	4.3					8.7					8.7				
CV	5.3					8.5					8.5				

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Variety	St. Paul, AB					Dawson Creek, BC					Fort St. John, BC				
	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)	Yield (bu/ac)	Gross Revenue/ac	Days to Maturity	Lodging	Height (in.)
Clearfield															
5525 CL	46	\$676	–	1.3	41	45	\$671	100.3	–	43	51	\$753	100.0	–	43
5535 CL	41	\$603	–	1.7	37	49	\$721	95.7	–	39	56	\$827	98.7	–	42
VR 9560 CL	43	\$629	–	1.0	44	48	\$708	101.3	–	41	55	\$810	101.0	–	44
LSD	21.1					3.8					3.2				
Liberty Link															
5440	49	\$732	–	1.0	41	43	\$643	98.0	–	41	55	\$809	98.7	–	43
L120	46	\$673	–	1.3	41	46	\$682	97.0	–	43	55	\$818	98.0	–	43
L130	40	\$584	–	1.0	40	41	\$612	98.7	–	39	56	\$821	98.0	–	43
L150	47	\$692	–	1.0	41	46	\$684	99.0	–	42	61	\$903	99.3	–	44
L154	51	\$759	–	1.0	45	46	\$677	100.3	–	41	59	\$870	99.3	–	45
L159	31	\$461	–	1.0	46	43	\$635	98.7	–	45	56	\$824	100.0	–	45
LSD	10.8					6.0					4.0				
Roundup Ready															
72-65 RR	61	\$907	–	2.7	33	48	\$705	97.0	–	40	55	\$820	100.7	–	39
6050 RR	51	\$751	–	3.3	21	50	\$741	100.0	–	38	57	\$847	99.0	–	40
6060 RR	53	\$780	–	2.0	33	42	\$627	101.0	–	39	52	\$776	101.7	–	40
73-45 RR	44	\$646	–	3.0	24	51	\$760	99.0	–	36	58	\$856	97.7	–	38
73-75 RR	55	\$810	–	2.3	32	48	\$713	98.0	–	39	60	\$887	100.3	–	39
74-44 BL	62	\$914	–	3.3	22	50	\$740	98.7	–	39	57	\$850	100.0	–	37
94H04	53	\$778	–	3.0	25	44	\$651	97.3	–	40	51	\$758	96.7	–	44
V12-1*	48	\$751	–	1.3	37	43	\$643	98.0	–	39	55	\$811	99.3	–	42
VR 9559 G	55	\$808	–	2.3	37	48	\$703	100.7	–	41	55	\$809	99.7	–	43
VT 520 G	55	\$810	–	1.0	47	39	\$581	99.7	–	40	53	\$786	101.0	–	40
1990	57	\$839	–	2.3	32	47	\$695	100.7	–	38	58	\$863	100.7	–	40
74-47 CR	52	\$763	–	2.0	32	50	\$733	101.0	–	40	63	\$938	100.0	–	40
73-15 RR	49	\$728	–	3.0	22	48	\$715	97.0	–	39	56	\$834	98.0	–	38
LSD	7.5					6.6					3.3				
CV	11.3					11.4					4.4				

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CANOLA PERFORMANCE TRIALS 2012 RESULTS

Field Scale Trial Yield Results

Field scale trials are managed by growers using their typical production practices. Trials are planted, swathed, harvested and, when necessary, sprayed by growers using the respective herbicide systems according to established protocols. Individual plots range from 0.5 to 1.5 acres. Results below are given as a percentage of the check, 73-75 RR. Yield in bu./ac. for 73-75 RR for each location is given in brackets at the end of each row.

Location	Yield Results (% of check, 73-75 RR)															
	Variety															
	L120	L130	L150	L154	L159	5440	1970	1990	1999	6060	72-65 RR	73-15 RR	73-45 RR	74-44 BL	74-47 CR	73-75 RR (bu./ac.)
Long Season Zone (avg.)	81	97	91	98	94	97	98	94	103	94	94	98	93	99	100	(42)
Brandon 1 MB	–	87	103	–	–	–	–	94	–	95	100	–	102	96	–	100 (41)
Brandon 2 MB	–	96	90	98	94	93	–	–	–	–	–	–	89	–	–	100 (43)
Broadview SK	81	–	78	–	–	–	–	77	–	83	86	–	96	91	–	100 (23)
Cranford 1 AB	–	96	91	–	–	–	–	88	–	89	92	–	104	101	–	100 (68)
Cranford 2 AB	–	132	120	106	115	126	–	–	–	–	–	–	–	–	–	100 (55)
Elie MB	–	–	–	–	–	–	–	93	–	87	89	–	88	84	98	100 (50)
Halbstadt MB	–	93	94	104	99	94	–	–	–	–	–	–	–	–	–	100 (42)
Hamiota MB	–	108	94	95	96	105	–	–	–	–	–	–	–	–	–	100 (42)
Howden MB	–	86	75	–	–	–	–	85	–	83	85	–	92	84	–	100 (48)
Kenton MB	–	108	105	–	–	–	–	102	–	106	101	–	101	105	–	100 (50)
Killarney MB	–	–	–	–	–	–	–	100	–	96	102	–	99	96	96	100 (41)
Lampman SK	–	113	100	102	101	114	–	–	–	–	–	–	–	–	–	100 (35)
Langenburg SK	–	90	77	94	85	94	–	–	–	–	–	–	85	–	–	100 (36)
Lauder MB	–	97	93	99	99	97	–	–	–	–	–	–	–	–	–	100 (43)
Melita MB	–	–	–	–	–	–	–	100	–	98	–	–	–	108	106	100 (37)
Oakville MB	–	–	–	–	–	–	101	97	103	–	–	–	–	–	–	100 (27)
Portage la Prairie MB	–	90	85	92	83	89	–	–	–	–	–	–	85	–	–	100 (50)
Regina SK	–	–	–	–	–	–	–	98	–	94	96	–	99	100	98	100 (37)
Rosburn MB	–	–	–	–	–	–	95	95	–	104	–	–	–	101	–	100 (51)
Somerset 1 MB	–	95	95	–	–	–	–	94	–	97	92	–	100	91	–	100 (51)
Somerset 2 MB	–	102	93	105	94	91	–	–	–	–	–	–	78	–	–	100 (34)
St. Adolphe MB	–	81	76	88	81	83	–	–	–	–	–	–	–	–	–	100 (46)
Stonewall MB	–	89	86	96	86	93	–	–	–	–	–	–	–	92	–	100 (33)
Swift Current SK	–	92	89	101	96	81	–	–	–	–	–	–	–	–	–	100 (51)

Location	Yield Results (% of check, 73-75 RR)															
	Variety															
	L120	L130	L150	L154	L159	5440	1970	1990	1999	6060	72-65 RR	73-15 RR	73-45 RR	74-44 BL	74-47 CR	73-75 RR (bu./ac.)
Mid Season Zone (avg.)	91	106	100	99	99	107	100	101	102	99	101	108	103	106	101	100 (41)
Andrew AB	–	–	–	–	–	–	–	95	–	96	104	–	102	102	96	100 (46)
Arborg MB	–	–	–	–	–	–	–	81	–	73	91	–	88	87	90	100 (59)
Archerwill SK	–	–	–	–	–	–	–	105	–	–	–	–	–	–	–	100 (44)
Bassano AB	–	–	–	–	–	–	–	101	103	–	–	106	–	–	–	100 (30)
Biggar SK	–	–	–	–	–	–	97	101	–	–	–	–	–	–	–	100 (40)
Bradwell SK	83	–	89	–	–	–	–	97	–	98	101	–	109	104	–	100 (37)
Calmar 1 AB	–	–	–	–	–	–	97	97	93	–	–	–	–	81	–	100 (42)
Calmar 2 AB	–	101	98	96	95	101	–	–	–	–	–	–	–	–	–	100 (50)
Camrose AB	–	112	103	–	–	–	–	–	–	94	101	–	96	93	101	100 (41)
Canora 1 SK	77	–	75	–	–	–	–	93	–	83	111	127	115	133	–	100 (19)
Carseland AB	–	126	106	102	115	125	–	–	–	–	–	–	–	–	–	100 (50)
Dauphin MB	–	112	108	112	98	100	–	–	–	–	–	–	–	106	–	100 (40)
Davidson SK	–	103	100	–	–	106	–	–	–	–	–	–	–	–	–	100 (38)
Foam Lake SK	–	84	69	87	70	86	–	–	–	–	–	–	–	–	–	100 (27)
Forestburg AB	–	104	104	100	97	103	–	–	–	–	–	–	–	–	–	100 (48)
Ft. Saskatchewan 1 AB	–	–	–	–	–	–	–	107	105	–	–	–	–	–	–	100 (45)
Ft. Saskatchewan 2 AB	–	101	94	90	93	103	–	–	–	–	–	–	104	–	–	100 (53)
Herschel SK	–	–	–	–	–	–	104	92	101	–	–	–	–	–	–	100 (41)
Indian Head SK	–	113	106	95	100	114	–	–	–	–	–	–	–	–	–	100 (39)
Kamsack SK	–	–	–	–	–	–	103	115	106	92	–	–	94	–	–	100 (39)
Lake Lenore SK	–	124	127	120	120	122	–	–	–	–	–	–	–	–	–	100 (32)
Lavoy AB	–	93	92	92	89	104	–	–	–	–	–	–	–	–	–	100 (52)
Lumsden SK	–	105	103	96	96	104	–	–	–	–	–	–	–	–	–	100 (48)
Macklin SK	95	–	104	–	–	–	–	–	–	99	100	99	100	104	–	100 (37)

When comparing average results between varieties, consider the number of test sites for each variety. Field scale trials occasionally produce data that is above or below the expected range. If agronomic observations cannot explain these “outliers,” then they are checked against the statistical limits of deviation established by the Canola Performance Trial technical committee. If the data falls outside the limits, it is removed. For more details on individual trials and for data from sites that reported after this booklet went to print, visit www.canolaperformancetrials.ca.

Location	Yield Results (% of check, 73-75 RR)															
	Variety															
	L120	L130	L150	L154	L159	5440	1970	1990	1999	6060	72-65 RR	73-15 RR	73-45 RR	74-44 BL	74-47 CR	73-75 RR (bu./ac.)
Mid Season Zone (avg.)	91	106	100	99	99	107	100	101	102	99	101	108	103	106	101	100 (41)
Mannville AB	-	104	106	-	-	-	-	-	-	-	100	-	99	107	103	100 (50)
Margo SK	-	-	-	-	-	-	-	105	102	-	-	-	102	-	-	100 (39)
Marshall SK	-	-	-	-	-	-	-	106	-	108	106	-	107	110	102	100 (38)
Millet AB	-	130	124	115	125	128	-	-	-	-	-	-	-	125	-	100 (42)
Nisku AB	-	-	-	-	-	-	-	109	-	-	102	104	105	106	108	100 (48)
North Battleford SK	-	-	-	-	-	-	-	105	-	109	104	-	-	107	107	100 (37)
Paradise Valley AB	-	111	104	99	105	109	-	-	-	-	-	-	-	-	-	100 (51)
Quill Lake SK	-	100	92	83	75	106	-	-	-	-	-	-	-	-	-	100 (41)
Rosetown SK	-	76	82	-	-	-	-	81	-	87	92	-	101	99	-	100 (45)
Rosthern SK	-	-	-	-	-	-	-	102	-	99	100	-	101	106	100	100 (43)
Strasbourg SK	-	-	-	-	-	-	-	100	-	102	107	-	105	117	94	100 (32)
Strathmore AB	-	-	-	-	-	-	-	105	-	112	102	107	105	98	106	100 (54)
Swan River MB	101	-	69	-	-	-	-	126	-	121	95	93	117	112	-	100 (31)
Unity SK	-	112	116	96	101	101	-	-	-	-	-	-	-	-	-	100 (42)
Vegreville AB	103	-	116	-	-	-	-	-	-	-	99	104	96	109	103	100 (41)
Vermilion AB	-	-	-	-	-	-	-	104	-	105	101	125	100	114	103	100 (44)
Vulcan 1 AB	-	111	107	-	-	-	-	-	-	-	-	106	103	113	94	100 (47)
Vulcan 2 AB	88	-	93	-	-	-	-	100	-	99	99	-	105	105	-	100 (45)
Watrous SK	-	102	106	101	-	97	-	-	-	-	-	-	-	-	-	100 (37)

Location	Yield Results (% of check, 73-75 RR)															
	Variety															
	L120	L130	L150	L154	L159	5440	1970	1990	1999	6060	72-65 RR	73-15 RR	73-45 RR	74-44 BL	74-47 CR	73-75 RR (bu./ac.)
Short Season Zone (avg.)	92	105	100	98	101	103	-	102	-	96	94	96	97	101	100	100 (46)
Baytree AB	-	114	116	99	108	119	-	-	-	-	-	-	89	-	-	100 (19)
Blackfalds AB	-	96	93	94	88	101	-	-	-	-	-	-	-	-	-	100 (46)
Carrot River SK	-	97	98	97	102	95	-	-	-	-	-	-	-	-	-	100 (37)
Girouxville AB	-	-	93	-	-	-	-	-	-	-	-	98	103	101	101	100 (56)
High Prairie 1 AB	-	-	-	-	-	-	-	-	-	-	-	99	102	97	94	100 (66)
High Prairie 2 AB	-	107	103	96	99	104	-	-	-	-	-	-	-	-	-	100 (58)
La Crete AB	-	-	-	-	-	-	-	-	-	-	-	84	93	112	106	100 (27)
Rolla BC	89	-	-	-	-	-	-	99	-	93	95	93	89	94	-	100 (40)
Sexsmith 1 AB	-	104	104	-	-	-	-	99	-	89	-	99	100	99	-	100 (45)
Sexsmith 2 AB	-	115	116	112	109	99	-	-	-	-	-	-	99	-	-	100 (53)
Valleyview AB	95	-	97	-	-	-	-	107	-	100	-	98	104	98	-	100 (47)
Wanham AB	92	-	95	-	-	-	-	102	-	96	91	99	100	102	-	100 (52)
Westlock 1 AB	91	-	91	-	-	-	-	-	-	103	97	99	97	103	-	100 (52)
Westlock 2 AB	-	99	94	88	97	100	-	-	-	-	-	-	-	100	-	100 (58)

	L120	L130	L150	L154	L159	5440	1970	1990	1999	6060	72-65 RR	73-15 RR	73-45 RR	74-44 BL	74-47 CR	73-75 RR (bu./ac.)
Overall Average	90	103	97	98	97	103	99	99	102	97	98	102	100	101	100	100 (42)

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For more information on CPT results:

Visit www.canolaperformancetrials.ca to source all the canola variety information by location and to use the Economic Calculator.

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