

# canola

2021  
PERFORMANCE TRIALS

| FUNDED BY GROWERS FOR GROWERS



## 2021 Complete CPT SMALL PLOT (Standard and Straight Cut) and FIELD SCALE DATA

This report contains all the final 2021 CPT small plot and field scale data.

- For all CPT information, visit [www.canolaperformancetrials.ca](http://www.canolaperformancetrials.ca)
- To view the 2021 CPT standard and straight cut protocols, see [canolaperformancetrials.ca/trial-protocol](http://canolaperformancetrials.ca/trial-protocol)

The CPT results in this report are based on 12 standard or swathed trials small plot trials, 15 straight cut small plot trials and 64 straight cut field scale trials across the Prairies. Site distribution is based on seeded acres in Manitoba, Saskatchewan, and Alberta.

Drought conditions and early season insect pressure proved to be incredibly challenging and contributed to a lower number of successful trial sites. For more information on accumulated precipitation, visit Agriculture and Agri-Food Canada's website: <https://www.agr.gc.ca/DW-GS/historical-historiques.aspx?lang=eng&jsEnabled=true>

The small plot system ensures that:

- All varieties are treated with appropriate commercially associated herbicides: LibertyLink, Roundup Ready, TruFlex and \*Clearfield.  
*\*only in Manitoba.*
- All varieties are treated with appropriate commercially associated seed treatments.
- An independent third-party representative inspects all trials.

The CPT Technical Committee has established protocols and developed research plot designs to ensure the data is representative. Performance objectives were established to provide guidelines on timely field operations and data collection. All sites are inspected to verify these guidelines were followed to allow a fair comparison among the varieties tested.

**The 2021 program was funded by Alberta Canola Producers Commission (Alberta Canola), Saskatchewan Canola Development Commission (SaskCanola) and the Manitoba Canola Growers Association. The 2021 trials were coordinated by Murphy et al Inc. with the direction from the CPT Governance and Technical Committees. The Manitoba Canola Growers Association administered the program with additional support from Alberta Canola, SaskCanola and the Canola Council of Canada.**

**Commercial canola varieties tested in the 2021 small plot trials had seed provided by BASF – InVigor, BrettYoung Seeds, Corteva-Brevant, Canterra Seeds, Bayer-DEKALB, Corteva-Pioneer, Nutrien-Proven Seeds, Corteva-Brevant/Pioneer and Winfield United-CROPLAN.**

Results are organized by short, medium, and long season zones. CPT uses the Western Canada Canola/Rapeseed Recommending Committee season zones, which are based on typical frost-free days, growing degree days and soil type. See the map on page 6 for reference.

The results tables include yield, days to maturity and lodging scores for each variety. Lodging scores are between 1 and 5, with 1 being no lodging and 5 being completely lodged. It was not required by site cooperators to record height values, so they were not provided.

Gross revenue is the yield multiplied by \$20.27/bu. This is based on the October 2021 futures price of \$893.60 per tonne opening price on October 7, 2021, and standard (50-pound) bushel weight. No basis or other deductions were taken off the futures price.

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

Seed is a major input decision that every grower has to make. In addition to evaluating data from sites near your farm, consider several years of data (at [canolaperformancetrials.ca](http://canolaperformancetrials.ca)) from small plot and field scale sites grown in a range of agronomic and environmental conditions across Western Canada to make a well-informed choice. Consider climatic factors, geographic factors, herbicide tolerance systems, disease management, agronomic or special traits and yield potential for your operation when looking at days to maturity, lodging scores, disease tolerance and yield values of the varieties included in this booklet. Use caution when basing hybrid performance off a single site or single-year average yield. Compare varieties over multiple years to better understand performance under different environmental conditions.

**For further information on the CPT Program and data from 2011 through 2021, see [www.canolaperformancetrials.ca](http://www.canolaperformancetrials.ca).**

## 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 and the map for a depiction.

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

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

Small plot data is presented separately in the following tables. For more detailed performance results, use the online CPT database at [canolaperformancetrials.ca](http://canolaperformancetrials.ca).

The tables include yield, days to maturity, and lodging scores for each variety.

## 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 at a 5% level of statistical significance) 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.

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

Small Plot Locations  
Throughout Western Canada

- Long Season Zone
- Mid Season Zone
- Short Season Zone



Season Zone Averages (Standard Trials)																							
				Long Season Zone (5 locations)					Mid Season Zone (6 locations)					Short Season Zone (1 location)					Overall Average (12 locations)				
Distributor	Variety	Pod Shatter Tolerance	Disease Tolerance <sup>1</sup>	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging <sup>**</sup>	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging <sup>***</sup>	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging <sup>****</sup>
<b>LibertyLink</b>																							
Corteva-Pioneer	P501L	NO	BL/CR	48	98	5	91	2.0	51	114	6	93	2.1	34	90	1	90	n/d	48	105	12	92	2.1
Corteva-Brevant	B3011	NO	BL/CR	47	95	5	90	2.1	49	109	6	91	2.3	34	88	1	90	n/d	47	102	12	91	2.2
Nutrien-Proven Seeds	PV 681 LC	NO	BL/CR	45	93	5	90	2.3	48	108	6	91	2.8	37	96	1	84	n/d	46	101	12	90	2.6
Nutrien-Proven Seeds	PV 680 LC	NO	BL/CR	48	99	5	94	1.6	50	112	6	95	1.9	36	95	1	90	n/d	48	105	12	94	1.8
WinField United-CROPLAN	CP21L3C	NO	BL/CR	47	97	5	90	2.0	51	115	6	90	2.6	40	105	1	85	n/d	49	106	12	90	2.4
	LSD			6	12	5			4	9	6			6	15	1			5	11	12		
<b>Roundup</b>																							
Corteva-Pioneer	45CM39	YES	BL/CR	49	100	5	92	2.1	45	100	6	95	2.5	38	100	1	94	n/d	46	100	12	94	2.4
Corteva-Pioneer	45CS40	NO	BL/CR/S	47	95	5	91	1.8	47	107	6	93	2.4	38	99	1	87	n/d	46	101	12	92	2.2
Corteva-Brevant	1028 RR	NO	BL/CR	45	91	5	93	1.6	45	102	6	95	2.1	39	102	1	91	n/d	45	97	12	94	2.0
Canterra Seeds	CS2300	NO	BL	47	95	5	94	1.1	48	109	6	95	2.0	37	97	1	90	n/d	47	102	12	94	1.7
	LSD			5	11	5			4	9	6			3	9	1			5	10	12		
<b>TruFlex</b>																							
Bayer-DEKALB	DKTF 98 CR	NO	BL/CR	45	93	5	91	2.0	46	103	6	92	2.2	28	74	1	83	n/d	44	97	12	90	2.1
BrettYoung Seeds	BY 6207TF	NO	BL/CR	44	90	5	95	1.0	47	105	6	97	1.6	29	76	1	95	n/d	44	96	12	96	1.4
BrettYoung Seeds	BY 6204TF	NO	BL/CR	48	97	5	91	2.0	49	110	6	93	2.2	28	73	1	90	n/d	47	102	12	92	2.1
	LSD			6	13	5			5	12	6			4	11	1			6	12	12		
<b>Clearfield<sup>2</sup></b>																							
Corteva-Pioneer	P502CL	NO	BL	49	100	2	83	2.8	49	109	2	81	2.3	n/d	n/d	n/d	n/d	n/d	49	107	4	82	2.4
Corteva-Brevant/Pioneer	2028CL Nexera	NO	BL/CR	40	81	2	91	2.3	46	102	2	89	1.4	n/d	n/d	n/d	n/d	n/d	43	93	4	90	1.7
BrettYoung Seeds	BY 5125CL	NO	BL/CR	46	95	2	87	2.3	49	109	2	86	1.8	n/d	n/d	n/d	n/d	n/d	48	104	4	87	1.9
Canterra Seeds	CS2700 CL	NO	BL/CR	41	83	2	89	1.5	46	102	2	87	1.3	n/d	n/d	n/d	n/d	n/d	43	94	4	88	1.3
	LSD			4	8	2			7	16	2								5	12	4		

<sup>1</sup> Indicates genetic disease resistance with an "R". BL = Blackleg, CR = Clubroot and improved tolerance to sclerotinia "S", as based on variety descriptions submitted to CFIA

<sup>2</sup> Clearfield hybrids were not tested in all provinces and season zones. Clearfield hybrids should only be compared to other hybrids at their specific site. Clearfield varieties were tested in Manitoba only.

\*\*2 Lodging sites for LSZ LibertyLink, Roundup and TruFlex; 1 lodging site for LSZ Clearfield

\*\*\*5 Lodging sites for MSZ LibertyLink, Roundup and TruFlex; 2 lodging sites for MSZ Clearfield

\*\*\*\*7 Lodging sites for Overall LibertyLink, Roundup and TruFlex; 3 lodging sites for Overall Clearfield

n/d: no data collected

**2021 CPT SMALL PLOT DATA – Standard Trials**

		Long Season Zone											
		Souris, MB						Thornhill, MB					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>													
Corteva-Pioneer	P501L	56	93	\$1,145	97	2.8	n/d	31	108	\$630	80	n/d	n/d
Corteva-Brevant	B3011	62	101	\$1,249	92	2.5	n/d	31	107	\$622	79	n/d	n/d
Nutrien-Proven Seeds	PV 681 LC	63	104	\$1,281	89	3.0	n/d	32	112	\$654	79	n/d	n/d
Nutrien-Proven Seeds	PV 680 LC	63	103	\$1,277	101	1.3	n/d	28	98	\$568	84	n/d	n/d
WinField United-CROPLAN	CP21L3C	61	99	\$1,230	89	2.8	n/d	32	111	\$644	79	n/d	n/d
	LSD	7	11					2	9				
<b>Roundup</b>													
Corteva-Pioneer	45CM39	61	100	\$1,237	94	3.0	n/d	29	100	\$581	80	n/d	n/d
Corteva-Pioneer	45CS40	60	98	\$1,217	93	2.3	n/d	27	93	\$539	81	n/d	n/d
Corteva-Brevant	1028 RR	49	81	\$999	96	2.3	n/d	26	91	\$531	82	n/d	n/d
Canterra Seeds	CS2300	57	94	\$1,164	99	1.3	n/d	25	88	\$510	82	n/d	n/d
	LSD	5	8					2	9				
<b>TruFlex</b>													
Bayer-DEKALB	DKTF 98 CR	61	101	\$1,246	92	2.5	n/d	27	96	\$556	79	n/d	n/d
BrettYoung Seeds	BY 6207TF	59	96	\$1,190	100	1.0	n/d	13	45	\$261	85	n/d	n/d
BrettYoung Seeds	BY 6204TF	69	112	\$1,390	94	2.5	n/d	28	97	\$564	81	n/d	n/d
	LSD	3	4					2	8				
<b>Clearfield</b>													
Corteva-Pioneer	P502CL	66	109	\$1,345	89	2.8	n/d	32	111	\$647	78	n/d	n/d
Corteva-Brevant/Pioneer	2028CL Nexera	53	86	\$1,068	99	2.3	n/d	26	92	\$534	82	n/d	n/d
BrettYoung Seeds	BY 5125CL	66	108	\$1,339	95	2.3	n/d	27	94	\$545	80	n/d	n/d
Canterra Seeds	CS2700 CL	51	84	\$1,036	97	1.5	n/d	30	105	\$609	81	n/d	n/d
	LSD	5	7					3	10				
	CV	5.6						10.4					



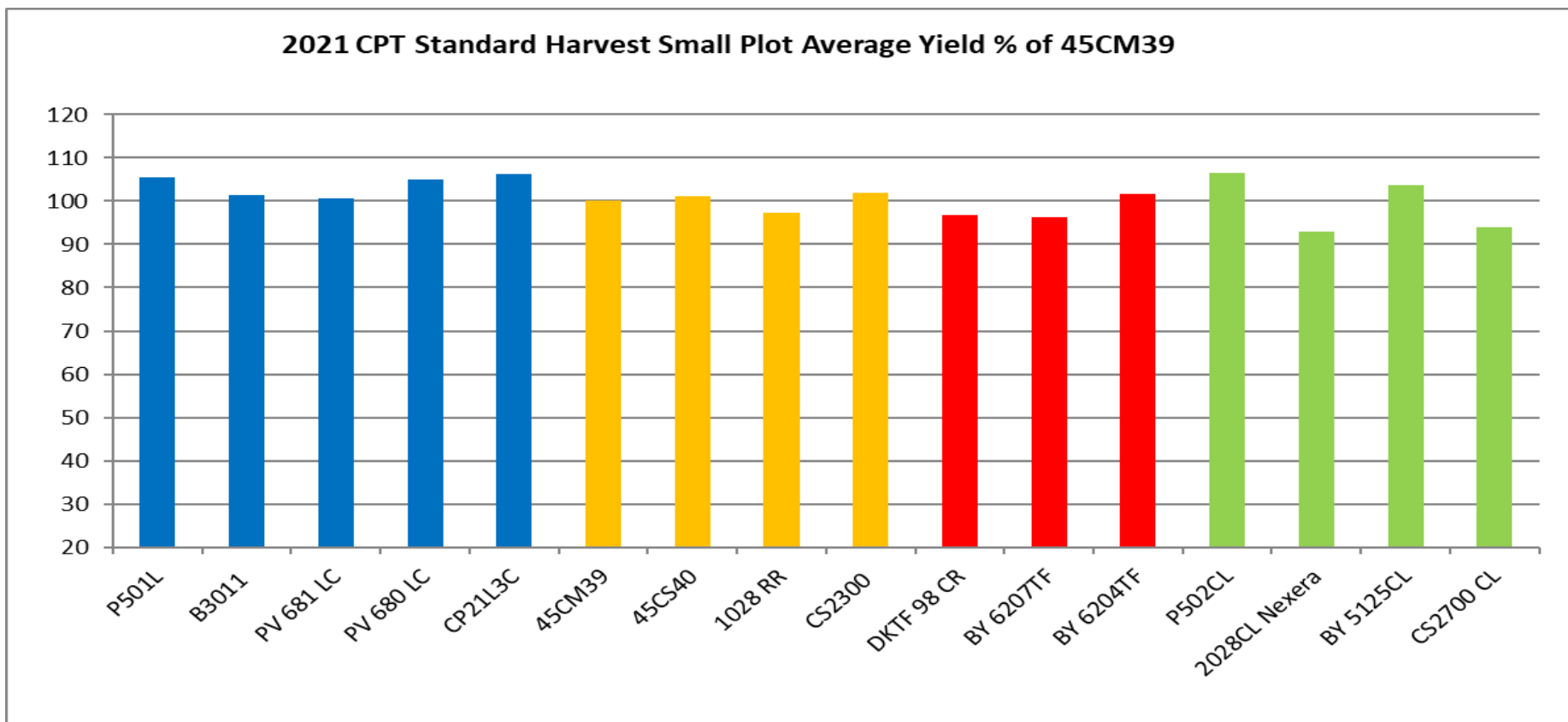
		Long Season Zone																	
		Outlook, SK						Swift Current, SK						Lethbridge, AB (irrigated)					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>																			
Corteva-Pioneer	P501L	66	96	\$1,347	85	n/d	n/d	28	116	\$577	94	n/d	n/d	57	93	\$1,150	101	1.3	n/d
Corteva-Brevant	B3011	58	84	\$1,182	88	n/d	n/d	29	119	\$594	93	n/d	n/d	53	88	\$1,079	100	1.8	n/d
Nutrien-Proven Seeds	PV 681 LC	55	79	\$1,114	89	n/d	n/d	25	101	\$504	94	n/d	n/d	52	85	\$1,048	100	1.5	n/d
Nutrien-Proven Seeds	PV 680 LC	74	107	\$1,500	90	n/d	n/d	27	110	\$549	94	n/d	n/d	50	82	\$1,006	100	2.0	n/d
WinField United-CROPLAN	CP21L3C	61	88	\$1,236	88	n/d	n/d	28	115	\$573	94	n/d	n/d	55	91	\$1,118	99	1.3	n/d
	LSD	5	7					3	11					12	20				
<b>Roundup</b>																			
Corteva-Pioneer	45CM39	69	100	\$1,407	90	n/d	n/d	25	100	\$498	96	n/d	n/d	61	100	\$1,233	100	1.3	n/d
Corteva-Pioneer	45CS40	67	96	\$1,350	90	n/d	n/d	24	96	\$481	95	n/d	n/d	56	93	\$1,141	99	1.3	n/d
Corteva-Brevant	1028 RR	73	105	\$1,471	90	n/d	n/d	22	90	\$449	99	n/d	n/d	53	87	\$1,075	100	1.0	n/d
Canterra Seeds	CS2300	70	101	\$1,416	91	n/d	n/d	24	97	\$485	98	n/d	n/d	56	92	\$1,139	100	1.0	n/d
	LSD	8	12					4	15					8	13				
<b>TruFlex</b>																			
Bayer-DEKALB	DKTF 98 CR	62	89	\$1,258	88	n/d	n/d	23	93	\$465	94	n/d	n/d	53	87	\$1,067	100	1.5	n/d
BrettYoung Seeds	BY 6207TF	69	100	\$1,407	90	n/d	n/d	25	103	\$512	99	n/d	n/d	53	88	\$1,082	101	1.0	n/d
BrettYoung Seeds	BY 6204TF	63	91	\$1,284	87	n/d	n/d	22	89	\$444	95	n/d	n/d	56	92	\$1,136	100	1.5	n/d
	LSD	6	9					4	15					16	27				
<b>Clearfield</b>																			
Corteva-Pioneer	P502CL	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
Corteva-Brevant/Pioneer	2028CL Nexera	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
BrettYoung Seeds	BY 5125CL	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
Canterra Seeds	CS2700 CL	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
	LSD	n/d	n/d					n/d	n/d					n/d	n/d				
	<b>CV</b>	<b>7.3</b>						<b>10.3</b>						<b>14.3</b>					

		Mid Season Zone																		
		Hamiota, MB						Swan River, MB						Kamsack, SK						
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	
<b>LibertyLink</b>																				
Corteva-Pioneer	P501L	47	120	\$953	87	1.3	n/d	56	96	\$1,138	81	2.0	n/d	57	116	\$1,156	97	3.3	n/d	
Corteva-Brevant	B3011	45	115	\$915	82	1.5	n/d	52	89	\$1,058	79	1.3	n/d	55	111	\$1,112	94	3.5	n/d	
Nutrien-Proven Seeds	PV 681 LC	47	118	\$943	84	1.8	n/d	53	90	\$1,066	78	3.3	n/d	53	107	\$1,070	94	4.0	n/d	
Nutrien-Proven Seeds	PV 680 LC	48	121	\$965	89	1.0	n/d	56	96	\$1,139	84	1.5	n/d	57	116	\$1,156	99	3.0	n/d	
WinField United-CROPLAN	CP21L3C	49	125	\$992	82	1.0	n/d	60	103	\$1,219	79	3.0	n/d	56	114	\$1,141	95	3.8	n/d	
	LSD	6	14					4	7					5	10					
<b>Roundup</b>																				
Corteva-Pioneer	45CM39	39	100	\$796	93	1.3	n/d	58	100	\$1,184	85	2.3	n/d	49	100	\$999	97	3.5	n/d	
Corteva-Pioneer	45CS40	42	106	\$848	89	1.8	n/d	59	100	\$1,190	81	2.3	n/d	52	105	\$1,050	95	3.0	n/d	
Corteva-Brevant	1028 RR	42	107	\$851	90	1.0	n/d	56	95	\$1,129	87	1.5	n/d	51	104	\$1,042	98	3.0	n/d	
Canterra Seeds	CS2300	40	101	\$801	92	1.3	n/d	56	97	\$1,144	82	1.3	n/d	59	120	\$1,200	100	2.3	n/d	
	LSD	6	16					4	7					4	7					
<b>TruFlex</b>																				
Bayer-DEKALB	DKTF 98 CR	45	114	\$908	88	1.3	n/d	48	82	\$973	80	1.8	n/d	58	118	\$1,177	95	2.8	n/d	
BrettYoung Seeds	BY 6207TF	41	105	\$834	92	1.0	n/d	55	93	\$1,107	87	1.3	n/d	60	121	\$1,207	100	1.8	n/d	
BrettYoung Seeds	BY 6204TF	43	110	\$878	87	1.3	n/d	54	92	\$1,093	84	1.8	n/d	60	122	\$1,216	95	2.8	n/d	
	LSD	4	9					7	11					6	12					
<b>Clearfield</b>																				
Corteva-Pioneer	P502CL	44	112	\$889	84	1.8	n/d	53	91	\$1,079	78	2.8	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
Corteva-Brevant/Pioneer	2028CL Nexera	36	92	\$735	92	1.0	n/d	55	94	\$1,113	87	1.8	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
BrettYoung Seeds	BY 5125CL	40	102	\$810	91	1.8	n/d	57	98	\$1,160	81	1.8	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
Canterra Seeds	CS2700 CL	37	94	\$749	90	1.0	n/d	54	93	\$1,102	84	1.5	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
	LSD	7	19					7	12					n/d	n/d					
	CV	10.8						6.4						7.0						

		Mid Season Zone																		
		North Battleford, SK						Killam, AB						Fort Saskatchewan, AB						
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	
<b>LibertyLink</b>																				
Corteva-Pioneer	P501L	50	115	\$1,016	92	2.0	n/d	51	109	\$1,030	92	2.0	n/d	45	150	\$910	111	n/d	n/d	
Corteva-Brevant	B3011	47	108	\$958	91	2.0	n/d	52	112	\$1,059	89	3.0	n/d	40	133	\$808	110	n/d	n/d	
Nutrien-Proven Seeds	PV 681 LC	48	110	\$976	91	2.0	n/d	56	119	\$1,131	89	3.0	n/d	33	111	\$673	111	n/d	n/d	
Nutrien-Proven Seeds	PV 680 LC	49	113	\$999	94	2.0	n/d	53	112	\$1,067	93	2.0	n/d	36	121	\$735	111	n/d	n/d	
WinField United-CROPLAN	CP21L3C	49	113	\$1,000	88	2.3	n/d	53	114	\$1,078	87	3.0	n/d	40	132	\$804	111	n/d	n/d	
	LSD	3	7					3	7					4	14					
<b>Roundup</b>																				
Corteva-Pioneer	45CM39	44	100	\$883	93	2.3	n/d	47	100	\$949	91	3.0	n/d	30	100	\$608	110	n/d	n/d	
Corteva-Pioneer	45CS40	46	105	\$926	90	2.8	n/d	50	107	\$1,020	94	2.0	n/d	37	122	\$743	111	n/d	n/d	
Corteva-Brevant	1028 RR	47	107	\$945	92	2.0	n/d	48	103	\$982	89	3.0	n/d	29	96	\$584	110	n/d	n/d	
Canterra Seeds	CS2300	50	115	\$1,018	92	2.0	n/d	48	104	\$983	92	3.0	n/d	37	122	\$742	111	n/d	n/d	
	LSD	4	8					4	8					3	12					
<b>TruFlex</b>																				
Bayer-DEKALB	DKTF 98 CR	41	95	\$841	89	2.3	n/d	47	100	\$948	88	3.0	n/d	38	125	\$763	112	n/d	n/d	
BrettYoung Seeds	BY 6207TF	47	108	\$955	95	2.0	n/d	47	99	\$943	94	2.0	n/d	32	106	\$648	113	n/d	n/d	
BrettYoung Seeds	BY 6204TF	46	106	\$941	89	2.0	n/d	55	118	\$1,118	95	3.0	n/d	35	116	\$707	111	n/d	n/d	
	LSD	7	15					4	9					5	15					
<b>Clearfield</b>																				
Corteva-Pioneer	P502CL	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
Corteva-Brevant/Pioneer	2028CL Nexera	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
BrettYoung Seeds	BY 5125CL	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
Canterra Seeds	CS2700 CL	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
	LSD	n/d	n/d					n/d	n/d					n/d	n/d					
	<b>CV</b>	<b>6.0</b>						<b>6.8</b>						<b>9.2</b>						

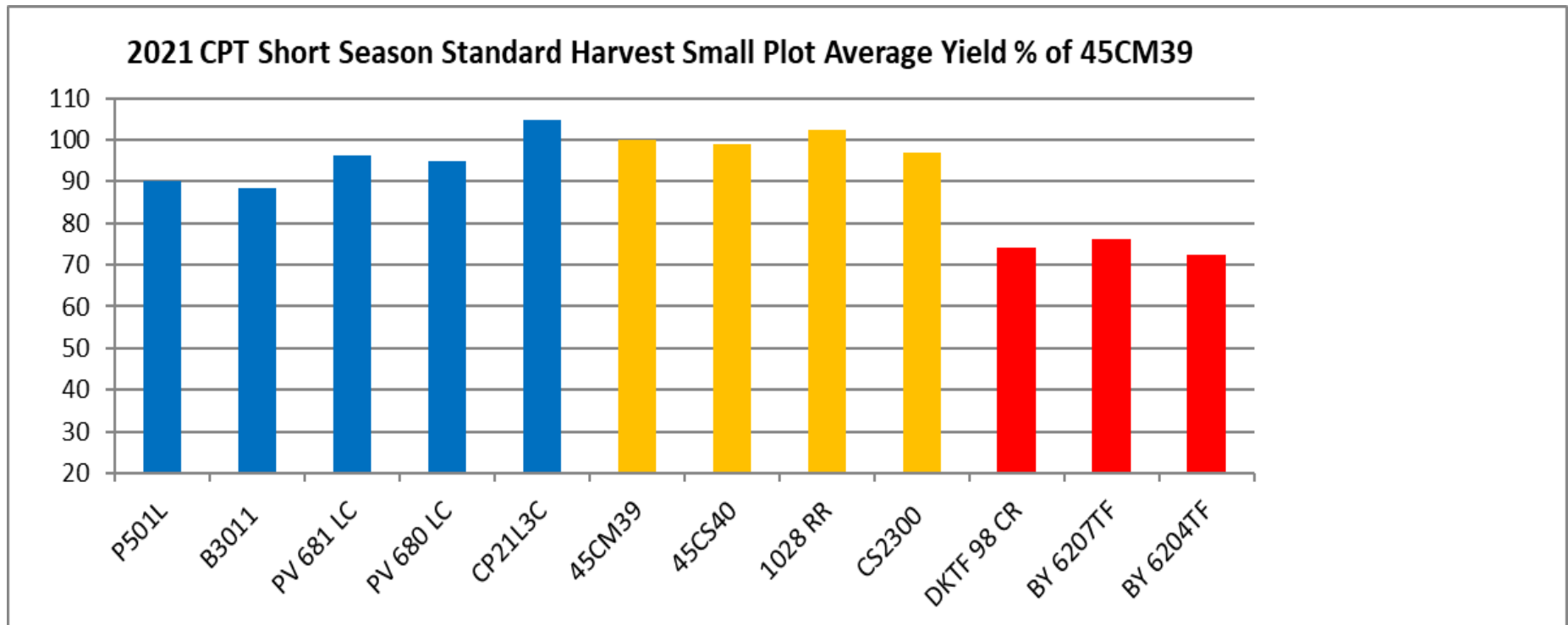
		Short Season Zone					
		Codette, SK					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>							
Corteva-Pioneer	P501L	34	90	\$693	90	n/d	n/d
Corteva-Brevant	B3011	34	88	\$680	90	n/d	n/d
Nutrien-Proven Seeds	PV 681 LC	37	96	\$741	84	n/d	n/d
Nutrien-Proven Seeds	PV 680 LC	36	95	\$731	90	n/d	n/d
WinField United-CROPLAN	CP21L3C	40	105	\$804	85	n/d	n/d
	LSD	6	15				
<b>Roundup</b>							
Corteva-Pioneer	45CM39	38	100	\$769	94	n/d	n/d
Corteva-Pioneer	45CS40	38	99	\$762	87	n/d	n/d
Corteva-Brevant	1028 RR	39	102	\$787	91	n/d	n/d
Canterra Seeds	CS2300	37	97	\$746	90	n/d	n/d
	LSD	3	9				
<b>TruFlex</b>							
Bayer-DEKALB	DKTF 98 CR	28	74	\$571	83	n/d	n/d
BrettYoung Seeds	BY 6207TF	29	76	\$585	95	n/d	n/d
BrettYoung Seeds	BY 6204TF	28	73	\$558	90	n/d	n/d
	LSD	4	11				
<b>Clearfield</b>							
Corteva-Pioneer	P502CL	n/d	n/d	n/d	n/d	n/d	n/d
Corteva-Brevant/Pioneer	2028CL Nexera	n/d	n/d	n/d	n/d	n/d	n/d
BrettYoung Seeds	BY 5125CL	n/d	n/d	n/d	n/d	n/d	n/d
Canterra Seeds	CS2700 CL	n/d	n/d	n/d	n/d	n/d	n/d
	LSD	n/d	n/d				
	<b>CV</b>	<b>11.8</b>					

All Season Zone Averages (Standard Trials)



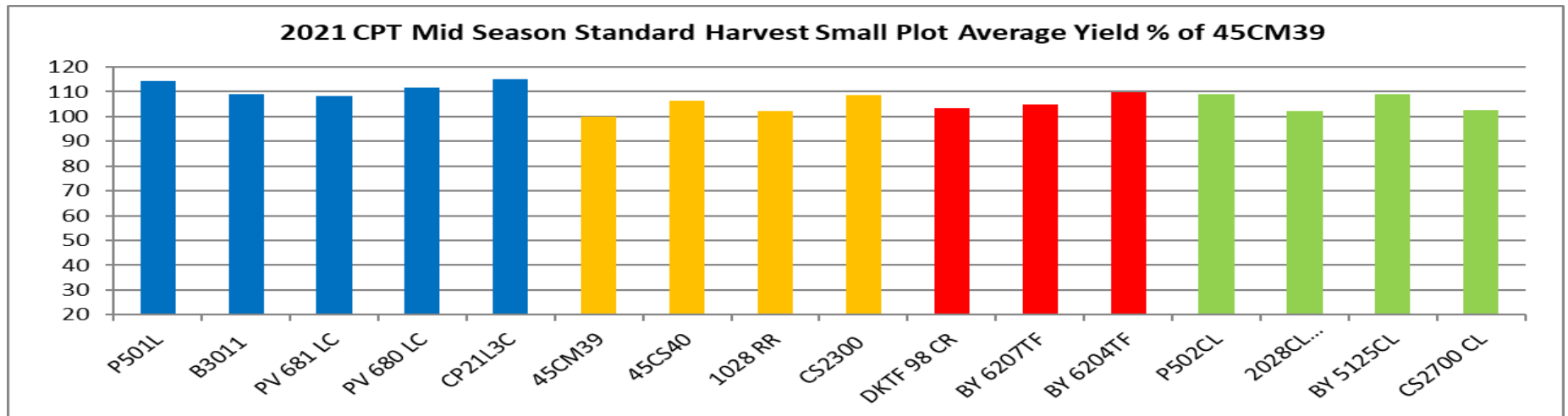
<span style="color: blue;">■</span>	LibertyLink®
<span style="color: yellow;">■</span>	Roundup Ready®
<span style="color: red;">■</span>	TruFlex™
<span style="color: green;">■</span>	Clearfield®

**Short Season Zone Averages (Standard Trials)**

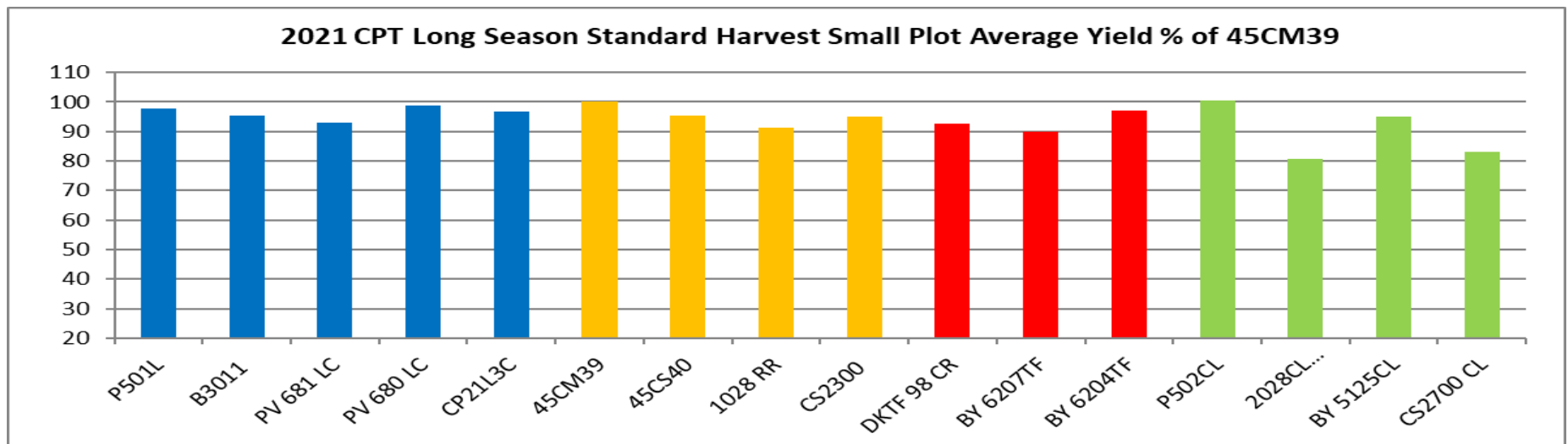


\*Only one site from the short season zone qualified for the 2021 CPT small plot dataset, which is not sufficient to reliably represent variety performance. Please refer to the searchable database at [canolaperformancetrials.ca](http://canolaperformancetrials.ca) for more short season zone data and to generate multi-year short season zone graphs.

**Mid-Season Zone Averages (Standard Trials)**



**Long Season Zone Averages (Standard Trials)**



Season Zone Averages (Straight Cut Trials)																							
				Long Season Zone (6 locations)					Mid Season Zone (7 locations)					Short Season Zone (2 locations)					Overall Average (15 locations)				
Distributor	Variety	Pod Shatter Tolerance	Disease Tolerance <sup>1</sup>	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging (4 sites)	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging (5 sites)	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging (1 site)	Yield (bu/ac)	Yield (% 45CM39)	No. Loc	Days to maturity	Lodging (10 sites)
<b>LibertyLink</b>																							
BASF - InVigor	InVigor L233P	YES	BL	51	115	6	88	1.9	52	115	7	90	2.5	31	125	2	84	2.0	49	116	15	88	2.2
BASF - InVigor	InVigor L340PC	YES	BL/CR	55	125	6	88	1.4	54	121	7	91	2.1	32	130	2	83	2.3	52	124	15	89	1.8
BASF - InVigor	InVigor L345PC	YES	BL/CR	57	130	6	88	1.6	56	124	7	92	2.4	34	137	2	85	2.8	53	128	15	90	2.1
BASF - InVigor	InVigor L357P	YES	BL	52	117	6	90	1.7	55	123	7	94	2.3	32	127	2	89	2.0	51	121	15	91	2.0
BASF - InVigor	InVigor L255PC	YES	BL/CR	53	120	6	91	1.4	54	121	7	94	1.8	29	116	2	88	1.8	50	120	15	92	1.6
Corteva-Brevant	B3010M	YES	BL/CR	47	107	6	90	1.6	46	103	7	94	2.4	27	109	2	90	3.0	44	105	15	92	2.1
Corteva-Pioneer	P506ML	YES	BL/CR	48	108	6	88	2.2	49	109	7	92	2.7	28	111	2	87	3.0	45	109	15	90	2.5
Canterra Seeds	CS4000 LL	YES	BL/CR	48	110	6	89	2.1	49	110	7	94	3.4	28	111	2	88	3.8	46	110	15	91	2.9
Bayer-DEKALB	DKLL 82 SC	YES	BL	45	102	6	88	2.0	45	100	7	92	3.2	27	110	2	86	4.0	43	102	15	90	2.8
Bayer-DEKALB	DKTFLL 21 SC	YES	BL	47	108	6	87	1.7	45	100	7	90	3.2	26	103	2	85	4.0	43	103	15	89	2.7
	LSD			6	14	6			5	11	7			3	13	2			5	12	15		
<b>Roundup</b>																							
Corteva-Pioneer	45CM39	YES	BL/CR	44	100	6	91	1.8	45	100	7	96	2.5	25	100	2	93	3.3	42	100	15	94	2.3
Corteva-Brevant	D3158CM	YES	BL/CR	45	102	6	89	1.7	47	106	7	94	2.6	26	106	2	89	3.0	44	104	15	91	2.3
	LSD			9	21	6			3	6	7			3	12	2			5	13	15		
<b>TruFlex</b>																							
Bayer-DEKALB	DKTF 99 SC	YES	BL	50	114	6	89	1.6	52	115	7	94	2.9	28	110	2	86	3.0	48	114	15	91	2.4
Bayer-DEKALB	DKTF 96 SC	YES	BL	42	96	6	91	1.4	47	105	7	96	2.4	28	111	2	91	3.0	43	102	15	94	2.0
Bayer-DEKALB	DKTF 97 CRSC	YES	BL/CR	46	105	6	89	1.5	47	104	7	94	2.6	24	97	2	86	3.0	44	104	15	91	2.2
Nutrien-Proven Seeds	PV 761 TM	YES	BL	43	98	6	90	1.6	45	99	7	96	2.5	24	96	2	91	3.0	41	99	15	93	2.2
WinField United-CROPLAN	CP21T3P	YES	BL	45	101	6	90	1.6	48	107	7	96	3.1	28	111	2	90	3.0	44	105	15	93	2.5
BrettYoung Seeds	BY 6211TF	YES	BL	46	105	6	89	1.5	49	110	7	95	3.0	29	116	2	87	3.0	45	108	15	92	2.4
Canterra Seeds	CS2600 CR-T	YES	BL/CR	48	109	6	88	1.8	47	106	7	93	3.3	27	107	2	86	2.8	45	107	15	90	2.7
	LSD			5	11	6			5	11	7			2	9	2			5	11	15		

<sup>1</sup> Indicates genetic disease resistance with an "R". BL = Blackleg, CR = Clubroot and improved tolerance to sclerotinia "S", as based on variety descriptions submitted to CFIA

<sup>2</sup> Clearfield hybrids were not tested in all provinces and season zones. Clearfield hybrids should only be compared to other hybrids at their specific site. Clearfield varieties were tested in Manitoba only.  
n/d: no data collected



**2021 CPT SMALL PLOT DATA – Straight Cut Trials**

		Long Season Zone																	
		Souris, MB						High Bluff, MB						Thornhill, MB					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>																			
BASF - InVigor	InVigor L233P	65	105	\$1,313	90	2.5	n/d	35	171	\$709	74	1.5	n/d	30	138	\$614	78	n/d	n/d
BASF - InVigor	InVigor L340PC	71	115	\$1,436	90	2.0	n/d	43	210	\$874	75	1.5	n/d	32	145	\$646	79	n/d	n/d
BASF - InVigor	InVigor L345PC	72	116	\$1,453	94	2.3	n/d	45	221	\$920	77	1.3	n/d	36	166	\$739	79	n/d	n/d
BASF - InVigor	InVigor L357P	65	105	\$1,308	92	2.8	n/d	39	190	\$788	78	2.0	n/d	29	134	\$595	80	n/d	n/d
BASF - InVigor	InVigor L255PC	62	100	\$1,248	99	2.3	n/d	40	197	\$820	77	1.0	n/d	34	156	\$694	80	n/d	n/d
Corteva-Brevant	B3010M	62	101	\$1,265	97	2.8	n/d	29	144	\$596	77	1.0	n/d	30	138	\$615	79	n/d	n/d
Corteva-Pioneer	P506ML	64	103	\$1,289	89	3.3	n/d	32	154	\$641	75	1.8	n/d	31	139	\$619	79	n/d	n/d
Canterra Seeds	CS4000 LL	66	106	\$1,330	90	3.0	n/d	29	143	\$595	76	1.5	n/d	31	139	\$621	79	n/d	n/d
Bayer-DEKALB	DKLL 82 SC	63	103	\$1,283	92	3.3	n/d	26	125	\$519	76	1.3	n/d	30	134	\$599	78	n/d	n/d
Bayer-DEKALB	DKTFLL 21 SC	62	100	\$1,251	91	3.3	n/d	27	132	\$549	74	1.3	n/d	34	155	\$690	77	n/d	n/d
	LSD	5	9					4	20					3	12				
<b>Roundup</b>																			
Corteva-Pioneer	45CM39	62	100	\$1,251	94	3.0	n/d	20	100	\$415	78	1.0	n/d	22	100	\$445	81	n/d	n/d
Corteva-Brevant	D3158CM	60	96	\$1,207	90	2.8	n/d	26	125	\$517	75	1.0	n/d	23	103	\$457	81	n/d	n/d
	LSD	9	14					10	49					7	30				
<b>TruFlex</b>																			
Bayer-DEKALB	DKTF 99 SC	60	98	\$1,221	92	2.8	n/d	29	140	\$581	77	1.0	n/d	34	156	\$694	80	n/d	n/d
Bayer-DEKALB	DKTF 96 SC	52	85	\$1,060	97	2.0	n/d	22	107	\$443	79	1.3	n/d	18	82	\$365	81	n/d	n/d
Bayer-DEKALB	DKTF 97 CRSC	60	97	\$1,212	91	2.3	n/d	27	132	\$549	77	1.3	n/d	27	121	\$541	80	n/d	n/d
Nutrien-Proven Seeds	PV 761 TM	59	96	\$1,200	94	2.8	n/d	22	108	\$449	77	1.0	n/d	22	99	\$441	80	n/d	n/d
WinField United-CROPLAN	CP21T3P	59	96	\$1,201	96	3.0	n/d	26	128	\$533	76	1.0	n/d	28	128	\$570	80	n/d	n/d
BrettYoung Seeds	BY 6211TF	63	101	\$1,267	93	2.8	n/d	24	119	\$496	76	1.0	n/d	29	131	\$582	80	n/d	n/d
Canterra Seeds	CS2600 CR-T	64	104	\$1,307	87	3.0	n/d	25	120	\$497	73	1.5	n/d	27	122	\$541	79	n/d	n/d
	LSD	5	8					4	22					3	12				
	<b>CV</b>	<b>6.7</b>						<b>11.0</b>						<b>7.5</b>					

		Long Season Zone																	
		Outlook, SK						Swift Current, SK						Lethbridge, AB (irrigated)					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>																			
BASF - InVigor	InVigor L233P	78	109	\$1,590	87	2.3	n/d	38	145	\$771	92	n/d	n/d	59	95	\$1,200	105	1.3	n/d
BASF - InVigor	InVigor L340PC	86	119	\$1,734	88	1.0	n/d	39	150	\$797	92	n/d	n/d	61	97	\$1,228	105	1.0	n/d
BASF - InVigor	InVigor L345PC	83	115	\$1,688	88	1.8	n/d	38	146	\$779	92	n/d	n/d	69	111	\$1,400	102	1.0	n/d
BASF - InVigor	InVigor L357P	80	111	\$1,622	89	1.0	n/d	33	126	\$674	94	n/d	n/d	65	104	\$1,311	106	1.0	n/d
BASF - InVigor	InVigor L255PC	77	106	\$1,554	90	1.3	n/d	37	140	\$747	92	n/d	n/d	68	110	\$1,382	107	1.0	n/d
Corteva-Brevant	B3010M	68	95	\$1,385	88	1.5	n/d	32	123	\$656	93	n/d	n/d	61	98	\$1,235	106	1.0	n/d
Corteva-Pioneer	P506ML	74	103	\$1,509	88	2.0	n/d	34	129	\$689	92	n/d	n/d	52	83	\$1,048	103	1.8	n/d
Canterra Seeds	CS4000 LL	77	106	\$1,554	89	2.8	n/d	30	113	\$603	94	n/d	n/d	59	95	\$1,194	106	1.3	n/d
Bayer-DEKALB	DKLL 82 SC	66	92	\$1,340	89	2.0	n/d	33	126	\$671	92	n/d	n/d	53	85	\$1,070	105	1.3	n/d
Bayer-DEKALB	DKTFLL 21 SC	75	104	\$1,519	88	1.3	n/d	31	120	\$638	92	n/d	n/d	55	89	\$1,123	103	1.0	n/d
	LSD	10	13					4	15					11	18				
<b>Roundup</b>																			
Corteva-Pioneer	45CM39	72	100	\$1,462	90	1.0	n/d	26	100	\$533	94	n/d	n/d	62	100	\$1,260	107	2.0	n/d
Corteva-Brevant	D3158CM	80	110	\$1,615	89	1.0	n/d	26	100	\$535	92	n/d	n/d	56	90	\$1,138	106	2.0	n/d
	LSD	8	11					4	16					19	30				
<b>TruFlex</b>																			
Bayer-DEKALB	DKTF 99 SC	83	114	\$1,673	87	1.5	n/d	30	115	\$614	92	n/d	n/d	67	107	\$1,351	108	1.3	n/d
Bayer-DEKALB	DKTF 96 SC	75	104	\$1,518	90	1.3	n/d	27	102	\$542	95	n/d	n/d	60	97	\$1,217	106	1.0	n/d
Bayer-DEKALB	DKTF 97 CRSC	74	102	\$1,495	88	1.3	n/d	28	105	\$561	94	n/d	n/d	64	103	\$1,297	107	1.3	n/d
Nutrien-Proven Seeds	PV 761 TM	75	105	\$1,529	89	1.0	n/d	26	97	\$520	95	n/d	n/d	56	91	\$1,141	107	1.8	n/d
WinField United-CROPLAN	CP21T3P	73	102	\$1,484	90	1.0	n/d	25	94	\$502	94	n/d	n/d	57	92	\$1,156	107	1.3	n/d
BrettYoung Seeds	BY 6211TF	72	100	\$1,455	89	1.0	n/d	28	105	\$560	93	n/d	n/d	63	101	\$1,271	107	1.3	n/d
Canterra Seeds	CS2600 CR-T	80	111	\$1,627	88	1.0	n/d	30	114	\$609	93	n/d	n/d	61	99	\$1,241	108	1.8	n/d
	LSD	5	6					4	17					7	12				
	CV	7.2						13.0						13.3					

**2021 CPT SMALL PLOT DATA – Straight Cut Trials**

		Mid Season Zone																	
		Dauphin, MB						Swan River, MB						Roblin, MB					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>																			
BASF - InVigor	InVigor L233P	36	98	\$727	89	2.3	n/d	60	111	\$1,222	80	2.4	n/d	61	117	\$1,237	93	n/d	n/d
BASF - InVigor	InVigor L340PC	43	117	\$866	91	1.8	n/d	61	111	\$1,227	82	1.9	n/d	62	119	\$1,265	93	n/d	n/d
BASF - InVigor	InVigor L345PC	38	105	\$772	94	1.5	n/d	65	120	\$1,324	83	2.3	n/d	63	120	\$1,272	94	n/d	n/d
BASF - InVigor	InVigor L357P	27	73	\$542	92	1.0	n/d	63	116	\$1,278	83	4.4	n/d	62	118	\$1,254	93	n/d	n/d
BASF - InVigor	InVigor L255PC	33	91	\$670	95	1.3	n/d	65	119	\$1,315	89	1.8	n/d	60	116	\$1,224	95	n/d	n/d
Corteva-Brevant	B3010M	34	93	\$689	92	2.0	n/d	57	104	\$1,151	86	1.8	n/d	51	98	\$1,034	97	n/d	n/d
Corteva-Pioneer	P506ML	34	93	\$684	91	2.0	n/d	56	104	\$1,142	83	2.0	n/d	59	112	\$1,191	95	n/d	n/d
Canterra Seeds	CS4000 LL	33	89	\$659	90	2.8	n/d	54	99	\$1,091	83	4.1	n/d	58	110	\$1,167	97	n/d	n/d
Bayer-DEKALB	DKLL 82 SC	32	89	\$655	90	2.0	n/d	56	102	\$1,126	82	4.3	n/d	54	104	\$1,101	95	n/d	n/d
Bayer-DEKALB	DKTFLL 21 SC	39	108	\$800	84	2.8	n/d	57	104	\$1,152	80	4.5	n/d	51	98	\$1,037	94	n/d	n/d
	LSD	5	15					5	10					5	9				
<b>Roundup</b>																			
Corteva-Pioneer	45CM39	36	100	\$738	91	2.0	n/d	54	100	\$1,103	89	2.3	n/d	52	100	\$1,060	107	n/d	n/d
Corteva-Brevant	D3158CM	38	105	\$777	92	1.8	n/d	54	99	\$1,094	85	2.8	n/d	54	103	\$1,094	100	n/d	n/d
	LSD	2	6					5	10					1	2				
<b>TruFlex</b>																			
Bayer-DEKALB	DKTF 99 SC	43	118	\$873	90	2.8	n/d	57	105	\$1,156	84	2.9	n/d	58	110	\$1,169	99	n/d	n/d
Bayer-DEKALB	DKTF 96 SC	27	73	\$541	93	1.3	n/d	52	96	\$1,064	89	2.3	n/d	48	91	\$969	102	n/d	n/d
Bayer-DEKALB	DKTF 97 CRSC	36	98	\$722	87	2.3	n/d	56	103	\$1,131	89	2.1	n/d	50	95	\$1,011	98	n/d	n/d
Nutrien-Proven Seeds	PV 761 TM	31	84	\$620	88	2.8	n/d	49	91	\$1,002	89	2.3	n/d	48	93	\$983	104	n/d	n/d
WinField United-CROPLAN	CP21T3P	41	112	\$828	88	3.3	n/d	52	96	\$1,061	90	3.3	n/d	51	97	\$1,025	105	n/d	n/d
BrettYoung Seeds	BY 6211TF	42	117	\$861	89	3.0	n/d	53	97	\$1,066	88	3.3	n/d	53	102	\$1,078	101	n/d	n/d
Canterra Seeds	CS2600 CR-T	37	103	\$758	85	4.0	n/d	49	89	\$984	84	3.5	n/d	55	105	\$1,109	101	n/d	n/d
	LSD	5	14					5	9					6	12				
	<b>CV</b>	<b>14.6</b>						<b>6.7</b>						<b>6.5</b>					

## 2021 CPT SMALL PLOT DATA – Straight Cut Trials

		Mid Season Zone											
		Kamsack, SK						North Battleford, SK					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>													
BASF - InVigor	InVigor L233P	52	117	\$1,055	92	2.8	n/d	54	110	\$1,102	85	2.0	n/d
BASF - InVigor	InVigor L340PC	58	129	\$1,167	92	1.8	n/d	59	118	\$1,193	86	2.0	n/d
BASF - InVigor	InVigor L345PC	59	132	\$1,189	94	3.0	n/d	60	120	\$1,213	87	2.0	n/d
BASF - InVigor	InVigor L357P	66	149	\$1,339	98	2.0	n/d	65	131	\$1,314	90	2.0	n/d
BASF - InVigor	InVigor L255PC	57	129	\$1,163	95	1.8	n/d	57	115	\$1,158	89	2.0	n/d
Corteva-Brevant	B3010M	49	110	\$995	95	3.0	n/d	53	106	\$1,069	90	2.0	n/d
Corteva-Pioneer	P506ML	52	117	\$1,054	94	4.0	n/d	52	105	\$1,054	88	2.5	n/d
Canterra Seeds	CS4000 LL	53	118	\$1,066	96	3.8	n/d	55	110	\$1,110	91	2.5	n/d
Bayer-DEKALB	DKLL 82 SC	38	86	\$771	95	4.5	n/d	48	97	\$974	88	2.0	n/d
Bayer-DEKALB	DKTFLL 21 SC	36	81	\$734	95	4.5	n/d	49	98	\$986	87	2.3	n/d
	LSD	4	9					5	9				
<b>Roundup</b>													
Corteva-Pioneer	45CM39	44	100	\$901	96	3.3	n/d	50	100	\$1,007	92	2.0	n/d
Corteva-Brevant	D3158CM	51	114	\$1,027	95	3.0	n/d	51	102	\$1,032	87	2.3	n/d
	LSD	2	4					5	10				
<b>TruFlex</b>													
Bayer-DEKALB	DKTF 99 SC	49	111	\$996	96	3.8	n/d	56	113	\$1,134	90	2.0	n/d
Bayer-DEKALB	DKTF 96 SC	51	115	\$1,037	98	3.3	n/d	55	111	\$1,120	92	3.0	n/d
Bayer-DEKALB	DKTF 97 CRSC	48	108	\$969	95	3.3	n/d	50	102	\$1,022	87	2.3	n/d
Nutrien-Proven Seeds	PV 761 TM	50	112	\$1,009	97	3.0	n/d	54	110	\$1,103	91	2.5	n/d
WinField United-CROPLAN	CP21T3P	46	104	\$941	97	3.5	n/d	55	111	\$1,115	91	2.5	n/d
BrettYoung Seeds	BY 6211TF	47	106	\$959	96	3.5	n/d	54	108	\$1,091	90	2.0	n/d
Canterra Seeds	CS2600 CR-T	49	110	\$996	94	3.5	n/d	54	109	\$1,096	88	2.5	n/d
	LSD	5	11					3	7				
	CV	6.6						5.3					

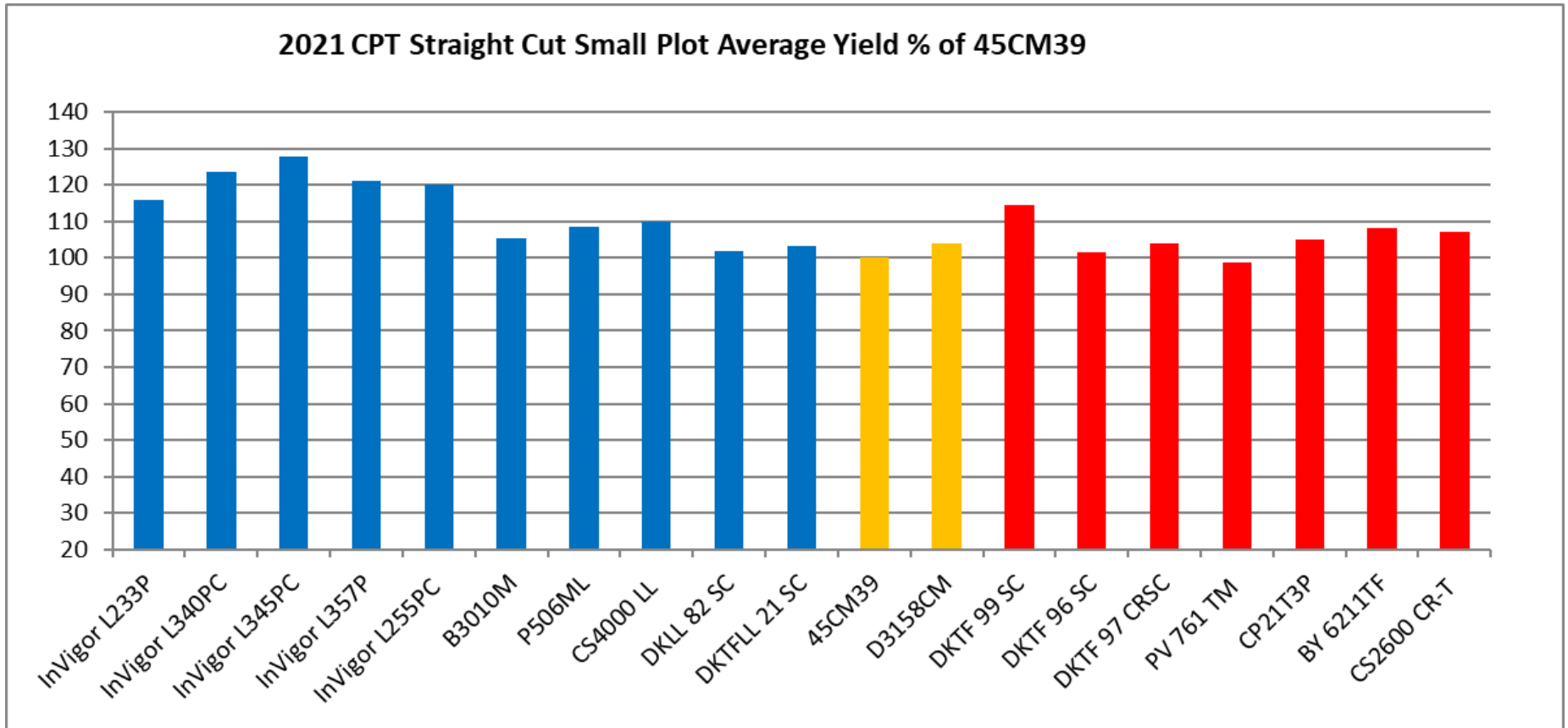
## 2021 CPT SMALL PLOT DATA – Straight Cut Trials

		Mid Season Zone											
		Killam, AB						Fort Saskatchewan, AB					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>													
BASF - InVigor	InVigor L233P	59	124	\$1,192	85	3.0	n/d	38	132	\$778	109	n/d	n/d
BASF - InVigor	InVigor L340PC	60	126	\$1,207	84	3.0	n/d	39	132	\$780	111	n/d	n/d
BASF - InVigor	InVigor L345PC	57	120	\$1,148	86	3.0	n/d	48	166	\$980	109	n/d	n/d
BASF - InVigor	InVigor L357P	61	130	\$1,246	90	2.0	n/d	42	142	\$843	110	n/d	n/d
BASF - InVigor	InVigor L255PC	63	132	\$1,272	90	2.0	n/d	43	146	\$864	109	n/d	n/d
Corteva-Brevant	B3010M	44	93	\$894	88	3.0	n/d	36	123	\$726	109	n/d	n/d
Corteva-Pioneer	P506ML	47	100	\$960	85	3.0	n/d	41	139	\$824	109	n/d	n/d
Canterra Seeds	CS4000 LL	51	108	\$1,041	91	4.0	n/d	41	141	\$836	109	n/d	n/d
Bayer-DEKALB	DKLL 82 SC	51	107	\$1,030	88	3.0	n/d	36	124	\$731	109	n/d	n/d
Bayer-DEKALB	DKTFLL 21 SC	45	96	\$920	85	2.0	n/d	35	121	\$716	109	n/d	n/d
	LSD	6	13					4	12				
<b>Roundup</b>													
Corteva-Pioneer	45CM39	47	100	\$960	91	3.0	n/d	29	100	\$592	109	n/d	n/d
Corteva-Brevant	D3158CM	48	101	\$970	89	3.0	n/d	36	122	\$724	110	n/d	n/d
	LSD	3	6					1	5				
<b>TruFlex</b>													
Bayer-DEKALB	DKTF 99 SC	55	116	\$1,111	92	3.0	n/d	43	148	\$874	111	n/d	n/d
Bayer-DEKALB	DKTF 96 SC	54	115	\$1,104	91	2.0	n/d	41	140	\$826	111	n/d	n/d
Bayer-DEKALB	DKTF 97 CRSC	51	108	\$1,039	91	3.0	n/d	35	121	\$716	110	n/d	n/d
Nutrien-Proven Seeds	PV 761 TM	50	105	\$1,009	92	2.0	n/d	29	100	\$593	110	n/d	n/d
WinField United-CROPLAN	CP21T3P	56	118	\$1,137	93	3.0	n/d	35	121	\$714	110	n/d	n/d
BrettYoung Seeds	BY 6211TF	56	119	\$1,140	92	3.0	n/d	39	134	\$794	110	n/d	n/d
Canterra Seeds	CS2600 CR-T	50	105	\$1,009	90	3.0	n/d	39	133	\$786	111	n/d	n/d
	LSD	7	15					3	10				
	<b>CV</b>	<b>8.3</b>						<b>13.0</b>					

## 2021 CPT SMALL PLOT DATA – Straight Cut Trials

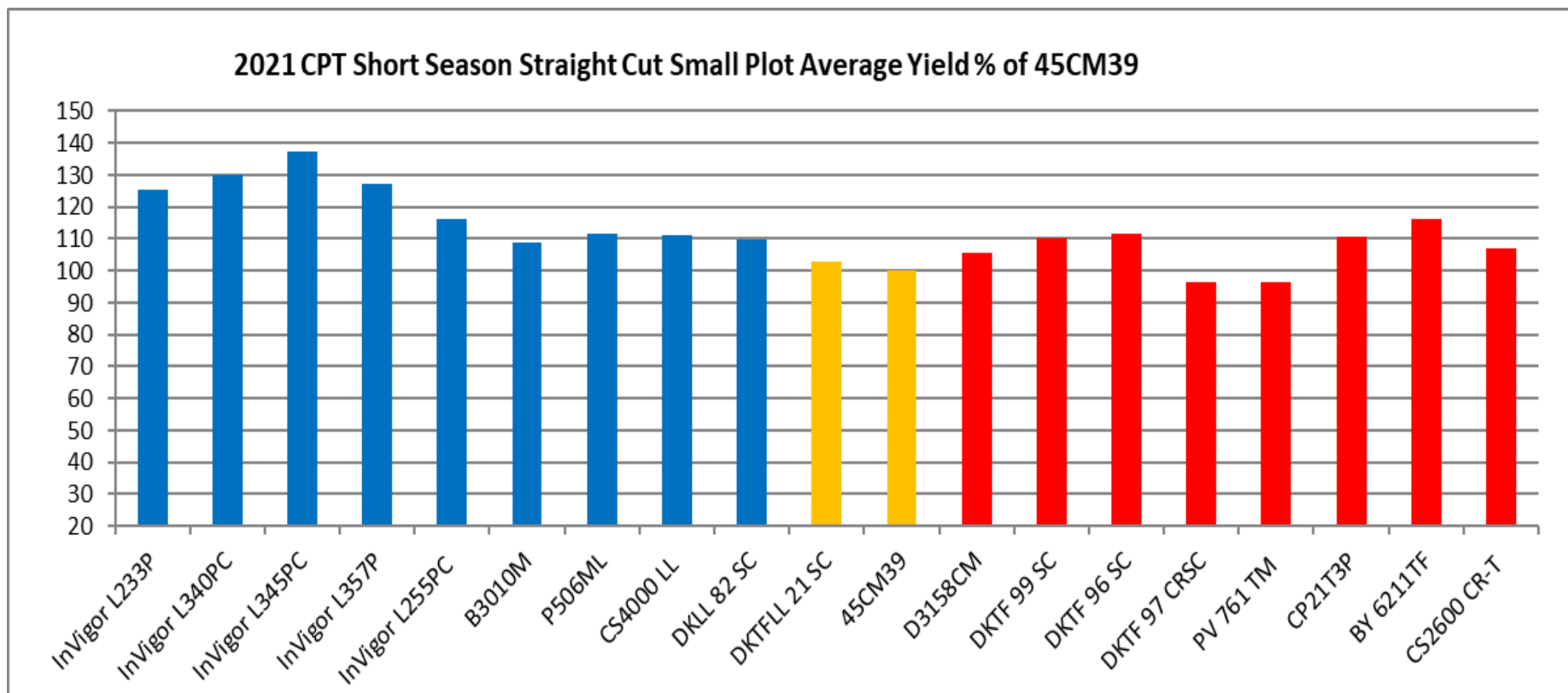
		Short Season Zone											
		Tisdale, SK						Codette, SK					
Distributor	Variety	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)	Yield (bu/ac)	Yield (% 45CM39)	Gross Revenue/ac	Days to maturity	Lodging	Height (Inch)
<b>LibertyLink</b>													
BASF - InVigor	InVigor L233P	24	101	\$483	84	2.0	n/d	39	146	\$785	85	n/d	n/d
BASF - InVigor	InVigor L340PC	26	109	\$521	83	2.3	n/d	39	148	\$793	84	n/d	n/d
BASF - InVigor	InVigor L345PC	26	112	\$535	84	2.8	n/d	42	159	\$854	86	n/d	n/d
BASF - InVigor	InVigor L357P	27	113	\$539	86	2.0	n/d	37	140	\$750	93	n/d	n/d
BASF - InVigor	InVigor L255PC	24	102	\$488	87	1.8	n/d	34	129	\$691	89	n/d	n/d
Corteva-Brevant	B3010M	19	83	\$395	88	3.0	n/d	35	132	\$706	92	n/d	n/d
Corteva-Pioneer	P506ML	20	84	\$398	87	3.0	n/d	36	136	\$730	87	n/d	n/d
Canterra Seeds	CS4000 LL	21	89	\$424	88	3.8	n/d	35	131	\$700	87	n/d	n/d
Bayer-DEKALB	DKLL 82 SC	20	87	\$415	88	4.0	n/d	34	130	\$696	85	n/d	n/d
Bayer-DEKALB	DKTFLL 21 SC	20	84	\$400	88	4.0	n/d	32	119	\$640	83	n/d	n/d
	LSD	2	8					5	18				
<b>Roundup</b>													
Corteva-Pioneer	45CM39	24	100	\$476	92	3.3	n/d	26	100	\$536	95	n/d	n/d
Corteva-Brevant	D3158CM	19	80	\$381	87	3.0	n/d	34	128	\$688	90	n/d	n/d
	LSD	2	8					4	16				
<b>TruFlex</b>													
Bayer-DEKALB	DKTF 99 SC	20	86	\$408	87	3.0	n/d	35	132	\$708	85	n/d	n/d
Bayer-DEKALB	DKTF 96 SC	21	91	\$433	89	3.0	n/d	34	130	\$696	92	n/d	n/d
Bayer-DEKALB	DKTF 97 CRSC	19	82	\$390	87	3.0	n/d	29	110	\$588	86	n/d	n/d
Nutrien-Proven Seeds	PV 761 TM	19	81	\$385	89	3.0	n/d	29	110	\$589	93	n/d	n/d
WinField United-CROPLAN	CP21T3P	24	101	\$481	88	3.0	n/d	32	119	\$640	92	n/d	n/d
BrettYoung Seeds	BY 6211TF	25	107	\$511	88	3.0	n/d	33	124	\$666	87	n/d	n/d
Canterra Seeds	CS2600 CR-T	19	80	\$379	87	2.8	n/d	35	131	\$703	85	n/d	n/d
	LSD	2	7					3	11				
	<b>CV</b>	<b>6.4</b>						<b>10.7</b>					

All Season Zone Averages (Straight Cut Trials)



<span style="color: blue;">■</span>	LibertyLink®
<span style="color: yellow;">■</span>	Roundup Ready®
<span style="color: red;">■</span>	TruFlex™

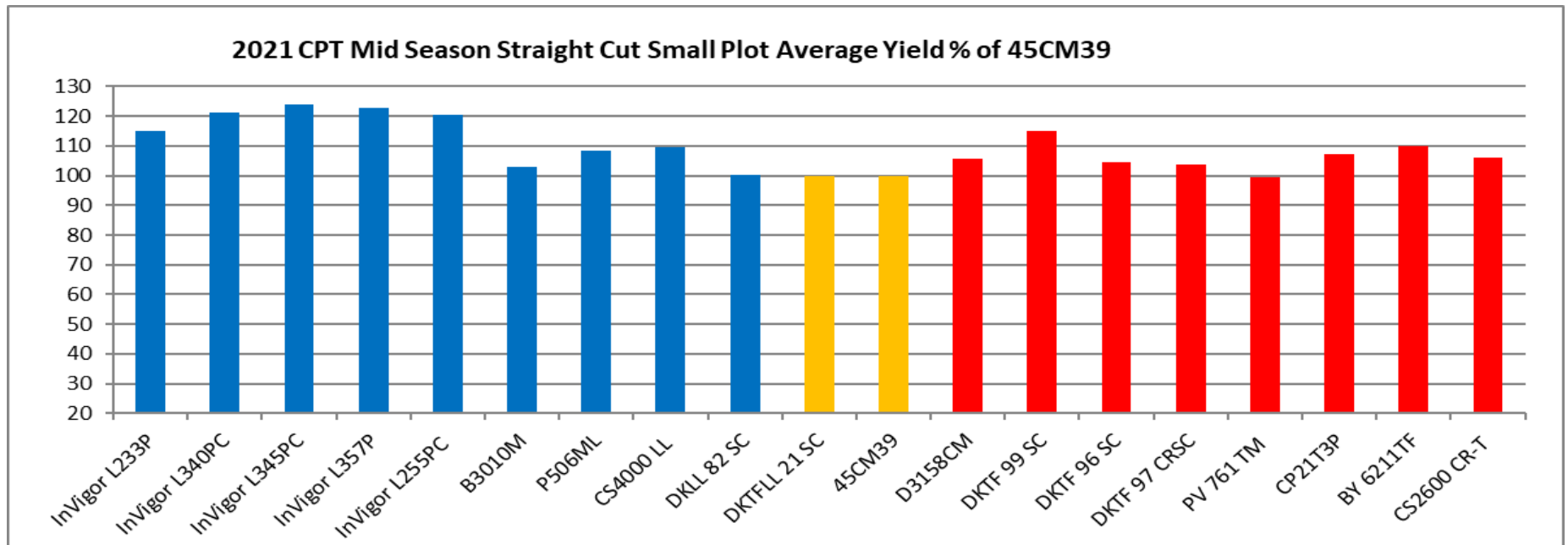
Short Season Zone Averages (Straight Cut Trials)



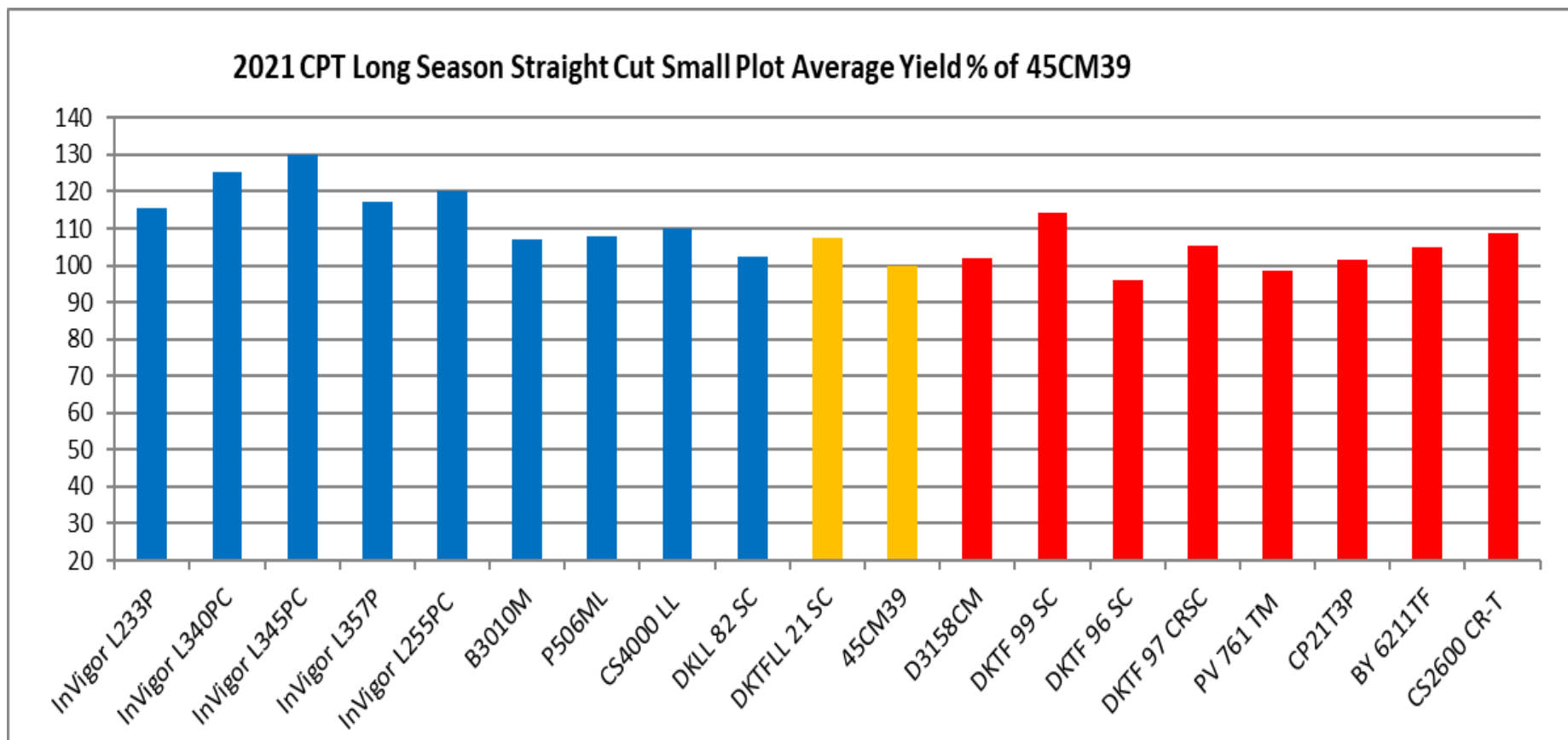
\*Only one site from the short season zone qualified for the 2021 CPT small plot dataset, which is not sufficient to reliably represent variety performance. Please refer to the searchable database at [canolaperformancetrials.ca](http://canolaperformancetrials.ca) for more short season zone data and to generate multi-year short season zone graphs.



**Mid-Season Zone Averages (Straight Cut Trials)**



**Long Season Zone Averages (Straight Cut Trials)**



Field scale trials are managed by growers using their typical production practices. Only data collected with weigh wagons is admissible for CPT. Trials are planted, swathed and harvested or straight cut 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. When comparing average results between varieties, consider the number of field 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 CPT Technical Committee. If the data falls outside the limits, it is removed. See the CPT standard and straight cut protocols for small plot and field scale trials at: [canolaperformancetrials.ca/trial-protocol](http://canolaperformancetrials.ca/trial-protocol).

2021 Straight Cut Trials - Yield as % of L340PC						
Location	LibertyLink					InVigor L340PC (bu/ac)
	InVigor L233P	InVigor L345PC	InVigor L357P	Pioneer® P506ML	Brevant™ B3010M	
<b>Long Season Zone</b>						
Argyle, MB	92	98	92	78	n/d	100 (28.9)
Assiniboia, SK	n/d	84	84	71	n/d	100 (22.1)
Bagot, MB	n/d	108	n/d	91	94	100 (40.9)
Balcarres, SK	103	102	86	85	n/d	100 (39.7)
Coaldale, AB*	89	94	95	93	n/d	100 (81.8)
Crystal City, MB	n/d	92	n/d	80	74	100 (52.4)
Deloraine, MB	96	100	102	101	n/d	100 (56.2)
Dominion City, MB	97	99	97	93	n/d	100 (56.4)
East Selkirk, MB	96	119	103	90	n/d	100 (36.8)
Foremost, AB	98	94	64	73	73	100 (13.6)
Gull Lake, SK	96	97	93	n/d	88	100 (34.3)
Howden, MB	90	95	92	76	78	100 (20.2)
Indian Head, SK	n/d	101	n/d	89	83	100 (49.4)
Lampman, SK	89	95	96	81	n/d	100 (49.4)
Langbank, SK	96	n/d	108	83	81	100 (29.2)
Magrath, AB	96	100	95	84	n/d	100 (51.9)
Manitou, MB	n/d	92	n/d	74	71	100 (33.8)
Medicine Hat, AB	98	101	95	91	n/d	100 (70.3)
Neville, SK	91	98	79	n/d	76	100 (20.6)
Oxbow, SK	n/d	96	n/d	57	62	100 (46.6)
Rivers, MB	93	92	97	79	n/d	100 (62.4)
Welwyn, SK	n/d	97	n/d	85	70	100 (49.6)

## 2021 FIELD SCALE PLOT DATA – Straight Cut Trials

2021 Straight Cut Trials - Yield as % of L340PC						
Location	LibertyLink					InVigor L340PC (bu/ac)
	InVigor L233P	InVigor L345PC	InVigor L357P	Pioneer® P506ML	Brevant™ B3010M	
<b>Mid Season Zone</b>						
Beiseker, AB	n/d	104	n/d	99	96	100 (45.3)
Biggar, SK	86	86	70	87	n/d	100 (23.3)
Birch Hills, SK	n/d	95	n/d	n/d	83	100 (36.8)
Canora, SK*	84	101	88	101	n/d	100 (38.7)
Ceylon, SK	92	n/d	85	70	77	100 (48.5)
Craik, SK	118	112	94	74	n/d	100 (20.5)
Dauphin, MB	103	n/d	92	101	96	100 (37.8)
Daysland, AB	n/d	95	n/d	n/d	89	100 (48.3)
Doddsland, SK	90	96	92	69	n/d	100 (24.8)
Erskine, AB	n/d	98	n/d	89	90	100 (51.8)
Foxwarren, MB	97	n/d	94	85	88	100 (53.2)
Kinistino, SK	97	98	96	101	n/d	100 (24.4)
Lashburn, SK	n/d	103	n/d	97	99	100 (38.2)
Mundare, AB	n/d	106	n/d	n/d	93	100 (40.6)
New Norway, AB	n/d	104	n/d	n/d	93	100 (60.7)
Norquay, SK	n/d	102	n/d	105	102	100 (52.7)
North Battleford, SK*	n/d	103	n/d	n/d	101	100 (15.9)
Preeceville, SK	93	103	97	96	n/d	100 (38.0)
Provost, AB	n/d	108	n/d	94	116	100 (32.0)
Rockyford, AB	n/d	95	n/d	74	78	100 (21.2)
St Brieux, SK	95	97	98	91	n/d	100 (28.6)
Sturgeon County, AB	n/d	122	n/d	n/d	100	100 (45.8)
Unity, SK	n/d	98	n/d	n/d	92	100 (30.3)
Vermilion, AB	n/d	107	n/d	96	91	100 (27.5)
Wadena, SK	88	99	86	59	n/d	100 (43.7)
Watrous, SK*	n/d	107	98	88	n/d	100 (29.2)
Weyburn, SK	n/d	97	n/d	85	88	100 (56.9)
Wilcox, SK	n/d	93	n/d	80	76	100 (42.5)
Wiseton, SK	n/d	180	n/d	95	142	100 (11.2)
Yorkton, SK	90	n/d	92	91	n/d	100 (44.3)

2021 Straight Cut Trials - Yield as % of L340PC						
Location	LibertyLink					InVigor L340PC (bu/ac)
	InVigor L233P	InVigor L345PC	InVigor L357P	Pioneer® P506ML	Brevant™ B3010M	
<b>Short Season Zone</b>						
Brownvale, AB	n/d	122	n/d	86	81	100 (15.6)
Fairview, AB	n/d	91	n/d	77	73	100 (36.3)
Girouxville, AB	n/d	105	n/d	88	n/d	100 (56.2)
Grandview, MB	n/d	113	n/d	93	97	100 (30.8)
High River, AB	95	97	n/d	78	n/d	100 (36.5)
Meadow Lake, SK	n/d	106	n/d	92	88	100 (41.4)
Nampa, AB	n/d	103	n/d	n/d	79	100 (45.8)
Nanton, AB	93	152	n/d	129	n/d	100 (10.8)
Nipawin, SK	n/d	95	n/d	96	91	100 (59.8)
Red Deer County, AB	n/d	114	n/d	118	109	100 (41.3)
Valhalla Centre, AB	n/d	118	n/d	100	97	100 (29.3)
Westlock, AB	n/d	104	n/d	103	96	100 (59.3)

\*Four sites were swathed due to the impact of environmental conditions. All trials were initiated with the intention to be straight cut. Since the impact of environment impacted the ability to straight cut, all the hybrids in the trial contained shatter reduction technology and the hybrids used are part of the small plot straight-cut trials, BASF made the decision to present the field scale data as a single set.

n/d: no data collected. Missing data for some varieties due to the fact that not all varieties are included at all sites.

**For more details and for interactive search and comparison tools on final CPT datasets since 2011, visit**  
[canolaperformancetrials.ca](http://canolaperformancetrials.ca)