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# North Dakota Canola

## *Variety Trial Results for 2020 and Selection Guide*

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Canola is a major oil crop in the northern Great Plains, particularly in North Dakota. In 2020, North Dakota accounted for approximately 83% of the 1.85 million canola acres planted in the U.S. This publication summarizes canola hybrid performance at the various North Dakota State University Research Extension Centers. The relative performance of the hybrids is presented in table form.

Give special attention to yield results of those trials nearest to your production area when evaluating varieties or hybrids in these trials. Also, attempt to view yield averages of several years rather than using only one year's data as a determining factor. In addition, consider other agronomic characteristics, such as maturity, lodging score and oil percentages, if available.

Research specialists and technicians helped with the field work and data compilation. The assistance given by many secretaries in entering data in respective portions of the document is very much appreciated. A special thank you goes to Lisa Johnson, Extension Plant Sciences secretary, for assisting in the compilation of this publication.

### **2020 Growing Season Update**

Canola fieldwork began at the end of April, with 2% of the acres planted by April 26. Planting progress was delayed due to some cool conditions and by May 10, only 11% of the acres had been planted, compared with the average of 30% on the same date. On May 10, the topsoil moisture was rated at 59% adequate.

Early canola stands varied across the region, depending on soil moisture availability and rainfall after planting. By July 5, 54% of the canola crop was flowering, compared with the average of 75% on the same day. Many parts of the state experienced a warm midsummer, and in western North Dakota, drought conditions existed. By the last week in July 2020, the North Dakota office of the National Agricultural Statistics Service reported the canola crop condition as 61% "good" and 15% "excellent."

By Sept. 14, 69% of the canola acres were harvested, which was slightly behind the 75% average on the same date. In general, the 2019 season was average and yield is estimated to be about 1,770 pounds per acre for North Dakota.

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**Table 1. Canola Production, North Dakota 2008-2020.**

<b>Year</b>	<b>Acres Planted</b>	<b>Acres Harvested</b>	<b>Yield Per Acre</b>	<b>Production</b>
	------(1,000 Acres)-----		(lb.)	(1,000 lb.)
2008	910	895	1,460	1,306,700
2009	730	725	1,840	1,334,000
2010	1,280	1,270	1,720	2,184,400
2011	890	850	1,500	1,275,000
2012	1,460	1,455	1,380	2,007,900
2013	920	915	1,820	1,665,300
2014	1,200	1,190	1,800	2,142,000
2015	1,410	1,400	1,780	2,492,000
2016	1,460	1,450	1,840	2,668,000
2017	1,590	1,560	1,600	2,496,000
2018	1,590	1,580	1,960	3,096,800
2019	1,700	1,610	1,800	2,898,000
2020 <sup>1</sup>	1,540	1,520	1,770	2,690,400
Average	1,283	1,263	1,713	2,173,577

<sup>1</sup> Forecast U.S. Department of Agriculture (USDA).

Source: North Dakota Agricultural Statistics Service – USDA.

**Table 2. April-September 2020 Average Temperature, Precipitation and Rankings for Select North Dakota Locations.**

Location	Average Temperature (Ranking)	Total Precipitation (Ranking)
Bowman	59.8 F (41st Warmest Period Since 1915)	9.9 inches (26th Driest Period Since 1915)
Bismarck	62.4 F (11th Warmest Period Since 1875)	6.4 inches (4th Driest Period Since 1875)
Cavalier	57.6 F (30th Coolest Period Since 1934)	12.8 inches (34th Driest Period Since 1927)
Fargo	61.1 F (44th Warmest Period Since 1881)	16.5 inches (65th Wettest Period Since 1881)
Minot Exp. Station	58.4 F (51st Warmest Period Since 1905)	9.8 inches (28th Driest Period Since 1905)
Williston Exp. Station	60.5 F (42nd Warmest Period Since 1894)	5.7 inches (6th Driest Period Since 1894)
North Dakota Average <sup>1</sup>	<b>58.9 F (50th Warmest Period Since 1895)</b>	<b>11.1 inches (23rd Driest Period Since 1895)</b>

Source: Adnan Akyüz, NDSU, North Dakota state climatologist.

<sup>1</sup>Statewide values are calculated based on all available locations in North Dakota rather than the mathematical average of the list above.

### About This Publication

Variety trial data from all NDSU Research Extension Centers for all crops can be found at [www.ag.ndsu.edu/varietytrials](http://www.ag.ndsu.edu/varietytrials). The agronomic data presented in this publication are from replicated research plots using experimental designs that enable the use of statistical analysis. The LSD (least significant difference) numbers beneath the columns in tables are derived from the statistical analyses and only apply to the numbers in the column in which they appear.

If the difference between two varieties exceeds the LSD value, it means that with 95% or 90% probability (0.05 or 0.10 level), the higher-yielding variety has a significant yield advantage. If the difference between two varieties is less than the LSD value, then the variety yields are considered similar. The abbreviation NS is used to indicate “no significant difference” for that trait among any of the varieties.

The CV is a measure of variability in the trial. The CV stands for coefficient of variation and is expressed as a percentage. Large CVs mean a large amount of variation that could not be attributed to differences in the varieties. In the tables, the mean indicates the average of the observations in the column. Only compare values within the table and look for trends for the desired trait among different experimental sites and years.

Oil and harvest yield were adjusted to 8.5% moisture, except where otherwise indicated in the footnotes. Oil content is intended to differentiate among hybrids at one location. LSD values should be used to determine differences among hybrids. **The oil content data are not intended to be compared among locations.** Tables 4 and 5 are summary tables, with yields expressed as a percentage of the trial mean (indicated on the bottom) of the various trials reported in subsequent tables.

Presentation of data for the varieties tested does not imply approval or endorsement by the authors or agencies conducting the tests. NDSU approves the reproduction of any table in this publication only if no portion is deleted, appropriate footnotes are given, the order of the data is not rearranged and NDSU is credited for the data.

**Table 3. Company Name, Short Name Used in the Tables and URL With Company Information.**

Company/Brand	Short	URL
BASF	BASF	agriculture.basf.com/us/en/Crop-Protection/InVigor.html
BrettYoung	BrettYoung	www.brettyoung.ca/us-seed-crop-inputs/canola
Bayer/Dekalb	Dekalb	www.dekalbasgrowdeltapine.com/
DuPont/Pioneer	Pioneer	www.pioneer.com/us/
Dyna-Gro Seed	Dyna-Gro	www.dynagroseed.com
Integra Fortified Seed	Integra	www.wilburellisagribusiness.com/integra-seed/
Meridian/ Canterra Seeds	Canterra	www.meridianseeds.com/product-information/canola/
Proseed Inc.	Proseed	www.proseed.net
Star Specialty	Star	www.starspecialtyseed.com
WinField/Croplan	Croplan	www.winfieldunited.com/products/winfield-united-seed/

**Table 4. 2020 Summary of Liberty Link, Clearfield and Conventional Canola Hybrids in North Dakota.**

Company/ Brand	Hybrid	Type <sup>1</sup>	Blackleg Rating <sup>2</sup>	Clubroot Resistance <sup>3</sup>	REC Carrington	REC Langdon	REC Williston	REC Minot
(Yields Expressed as % of the Trial Mean)								
BASF	InVigor L233P	LL	R	No	--	120	--	110
BASF	InVigor L234P	LL	R	Yes	--	108	--	107
BASF	InVigor L255P	LL	R	Yes	--	100	--	78
BASF	InVigor L340PC	LL	R	Yes	--	115	--	--
BASF	InVigor L345PC	LL	R	Yes	--	106	--	97
BASF	InVigor L357P	LL	R	No	--	102	--	--
BASF	InVigor LR344PC	LL/FT	R	R	--	102	--	--
BrettYoung	BY19-6284CL	CL	R	Yes	100	88	--	--
Canterra	CS2500 CL	CL	R	No	91	90	106	--
Canterra	CS2700 CL	CL	R	Yes	--	92	94	--
DeKalb	DKLL82SC	LL	R	No	110	107	--	93
DeKalb	DKTFLL21SC	LL/TF	R	No	99	112	--	116
Dyna-Gro	DG 200CL	CL	R	No	--	89	--	--
Photosyntech	NCC101S	Conv	MR	No	--	95	--	--
Photosyntech	PST SCI 226 CL	CL	MR	No	73	89	--	--
Photosyntech	PST SCJ 701	Conv	MR	No	--	87	--	--
Pioneer	P501L	LL	R	Yes	110	103	--	--
Pioneer	P502CL	CL	R	No	118	97	--	--
Trial mean in lb/a					1,466	2,969	1,027	1,979

<sup>1</sup>Conv = non GM, LL = Liberty Link, CL = Clearfield System and TF = Roundup Ready TruFlex.

<sup>2</sup>Blackleg rating provided by company, R = Resistant and MR is Moderately Resistant.

<sup>3</sup>Hybrid Clubroot resistance rating provided by company.

**Table 5. 2020 Summary of Roundup Ready Canola Hybrids in North Dakota.**

Company/ Brand	Hybrid	Type <sup>1</sup>	Blackleg Rating <sup>2</sup>	Clubroot Resistance <sup>3</sup>	REC Carrington	REC Langdon	REC Williston	Irrigation Williston
(Yields Expressed as a Percentage of the Trial Mean)								
BrettYoung	6090 RR	RR	R	Yes	99	108	94	89
BrettYoung	BY6204TF	TF	R	Yes	122	89	107	104
Canterra	CS2100	RR	R	No	111	100	89	--
Canterra	CS2300	RR	R	No	91	92	86	--
Canterra	CS2600 CR-T	TF	R	Yes	116	104	107	--
Croplan	CP930RR	RR	R	No	79	105	116	116
Croplan	CP955RR	RR	R	Yes	98	92	134	113
Croplan	CP9919RR	RR	R	No	68	104	89	76
Croplan	CP9978TF	TF	R	No	113	110	91	109
Croplan	CP9982RR	RR	R	Yes	115	102	--	--
Dekalb	DKTF91SC	TF	R	No	91	--	84	--
Dekalb	DKTF96SC	TF	R	No	99	88	--	--
Integra	7361RC	TF	R	Yes	104	101	--	--
Nuseed	NC355 TF	TF	R	No	83	98	--	--
Nuseed	NC401 TF	TF	R	No	83	111	--	--
Pioneer	45CM39	RR	MR	Yes	109	98	--	--
Star	Star 402	RR	R	No	88	--	100	96
Star	StarFlex	TF	R	No	130	96	102	96
Trial mean in lb/a					1,571	3,208	878	2,394

<sup>1</sup>Hybrids are traditional oil type, RR = Roundup Ready and TF = Roundup Ready TruFlex.

<sup>2</sup>Blackleg rating provided by company, R = Resistant and MR = Moderately Resistant.

<sup>3</sup>Hybrid Clubroot resistance rating provided by company.

**Table 6. 2020 Canola - Roundup Ready - Carrington - Authors, M. Ostlie and B. Schatz.**

Company/ Brand	Hybrid	Days to	Flower	Maturity	Plant	Plant	1,000 Seed	Oil	Seed Yield	
		Flower	Duration		Height	Lodge <sup>1</sup>			Weight	Content
		(DAP) <sup>2</sup>	(days)	(DAP) <sup>2</sup>	(inch)	(0-9)	(gram)	(%)	----- (lb/a) -----	
BrettYoung	6090 RR	48	22	94	33	3	3.0	37.4	1,543	1,908
BrettYoung	BY6204TF	45	21	92	25	3	4.0	36.7	1,908	--
Canterra	CS2100	43	21	91	25	3	3.9	37.5	1,731	1,976
Canterra	CS2300	46	23	94	28	2	3.2	36.4	1,417	1,963
Canterra	CS2600 CR-T	41	16	88	26	2	3.8	39.2	1,808	--
Croplan	CP930RR	40	18	89	26	1	3.2	38.9	1,239	1,807
Croplan	CP955RR	42	21	90	25	2	3.7	40.7	1,525	1,886
Croplan	CP9919RR	41	17	87	25	2	2.9	34.8	1,056	--
Croplan	CP9978TF	41	18	89	21	2	3.8	36.7	1,764	--
Croplan	CP9982RR	47	25	95	33	3	3.0	37.6	1,799	--
DeKalb	DKTF91SC	41	17	86	29	2	3.7	37.8	1,425	--
DeKalb	DKTF96SC	43	25	93	31	2	2.9	37.3	1,540	--
Integra	7361RC	42	18	89	28	2	4.3	37.4	1,619	--
Nuseed	NC355 TF	47	18	92	27	2	2.7	37.1	1,299	--
Nuseed	NC401 TF	44	23	92	31	2	3.2	36.5	1,293	--
Pioneer	45CM39	43	22	92	24	2	4.1	40.0	1,706	--
Star	Star 402	42	21	91	25	2	3.6	40.7	1,366	1,866
Star	StarFlex	43	21	92	27	2	3.7	38.3	2,021	--
Mean		43	20	91	27	2	3.5	37.8	1,559	1,901
CV %		1.6	8.0	1.9	15.0	43	12.9	2.5	19.9	--
LSD 0.05		1.0	2.3	2.4	5.7	NS	0.7	1.3	443	--
LSD 0.10		0.8	1.9	2.0	4.8	1.1	0.5	1.1	370	--

Footnotes below table 7.

**Table 7. 2020 Canola - Clearfield and Liberty Link - Carrington - Authors, M. Ostlie and B. Schatz.**

Brand	Hybrid	Days to	Flower	Days to	Plant	Plant	1,000 Seed	Oil	Seed Yield	
		Flower	Duration	Maturity	Height	Lodge <sup>1</sup>			Weight	Content
		(DAP) <sup>2</sup>	(days)	(DAP) <sup>2</sup>	(inch)	(0-9)	(gram)	(%)	----- (lb/a) -----	
<b>Clearfield</b>										
BrettYoung	BY19-6284CL	45.5	20	92	31	2.5	3.0	39.1	1,468	--
Canterra	CS2500 CL	44.0	17	90	30	2.0	3.2	40.1	1,336	1,917
Photosyntech	PST SCI 226 CL	52.0	25	96	41	0.8	2.3	33.7	1,070	--
Pioneer	P502CL	43.3	20	90	31	2.0	3.2	40.6	1,726	--
<b>Liberty Link</b>										
DeKalb	DKLL82SC	41.4	18	88	26	1.6	2.4	38.5	1,611	--
DeKalb	DKTFLL21SC	41.8	16	87	25	1.8	2.8	38.4	1,444	--
Pioneer	P501L	44.8	20	92	27	2.0	2.8	40.0	1,607	--
Mean		44.7	19	91	30	1.8	2.8	38.6	1,466	1,917
CV %		2.1	6.4	1.4	13.8	31	5.3	1.8	11.9	--
LSD 0.05		1.4	1.7	1.8	5.8	0.8	NS	1.0	259	--
LSD 0.10		1.1	1.4	1.5	4.8	0.7	0.5	0.9	215	--

Trial was planted on May 11 and harvested on Aug. 25. Previous crop was lentil.

<sup>1</sup>Lodging: 0 = none, 9 = lying flat on the ground.<sup>2</sup>DAP = Days after planting.

**Table 8. 2020 Canola - Roundup Ready - Langdon - Authors, B. Hanson and L. Henry.**

Company/ Brand	Hybrid	Days to Flower (DAP) <sup>3</sup>	Flower Duration (days)	Days to Maturity (DAP) <sup>3</sup>	Plant Height (inch)	Plant Lodge <sup>1</sup> (0-9)	Cover <sup>2</sup> (%)	Oil Content (%)	Seed Yield	
									2020	2-yr. Avg.
BrettYoung	6090 RR	45	24	93	49	5	88	41.2	3,478	3,732
BrettYoung	BY6204TF	42	27	93	44	5	83	43.0	2,870	--
Canterra	CS2100	40	23	91	44	7	87	42.0	3,206	3,589
Canterra	CS2300	43	27	93	50	5	81	42.1	2,938	3,606
Canterra	CS2600 CR-T	39	20	88	46	6	83	42.2	3,325	3,664
Croplan	CP930RR	36	20	84	46	5	90	41.5	3,381	3,546
Croplan	CP955RR	39	22	89	46	6	88	42.7	2,954	3,396
Croplan	CP9919RR	38	19	84	42	6	86	42.2	3,325	3,401
Croplan	CP9978TF	39	21	90	44	6	85	41.6	3,543	3,802
Croplan	CP9982RR	44	26	95	49	3	98	42.7	3,276	3,706
Dekalb	DKTF96SC	41	25	91	47	6	96	43.0	2,830	--
Integra	7361RC	39	21	90	45	7	93	41.2	3,249	--
Nuseed	NC355 TF	42	24	92	46	6	88	41.6	3,157	--
Nuseed	NC401 TF	40	24	92	48	6	88	42.7	3,552	--
Pioneer	45CM39	39	19	90	46	5	92	43.2	3,159	3,716
Star	StarFlex	39	24	92	44	6	96	42.7	3,076	3,475
Mean		40	23	90	46	6	89	42.2	3,208	3,603
CV %		1.5	6.9	1.2	7.2	14	8.2	2.4	8.4	--
LSD 0.05		0.9	2.2	1.5	4.7	1.1	10.3	1.5	384	--
LSD 0.10		0.8	1.8	1.3	3.9	0.9	8.5	1.2	320	--

Trial was planted on May 27 and harvested on Sept. 10.

<sup>1</sup>Lodging: 0 = none, 9 = lying flat on the ground.

<sup>2</sup>Cover - visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor.

Plants were at 5- to 6-leaf stage.

<sup>3</sup>DAP = Days after planting.

**Table 9. 2020 Canola - Irrigated - Roundup Ready - Williston - Authors, T. Tjelde, J. Jacobs and A. Turnquist.**

Company/ Brand	Hybrid	Days to Flower (DAP) <sup>1</sup>	Flower Duration (days)	Days to Maturity (DAP) <sup>1</sup>	Plant Height (inch)	Oil Content (%)	Test Weight (lb/bu)	Seed Yield	
								2020	2-yr. Avg.
BrettYoung	6090RR	55	6	99	45	39.1	50.4	2,130	2,048
BrettYoung	BY6204TF	55	7	96	43	37.8	50.8	2,500	--
Croplan	CP930RR	52	8	96	41	41.9	51.3	2,771	2,375
Croplan	CP955RR	53	8	97	41	41.7	51.8	2,712	2,397
Croplan	CP9919RR	54	9	98	30	37.2	50.5	1,820	1,726
Croplan	CP9978TF	53	8	98	38	39.9	51.7	2,612	2,303
Star	Star 402	54	7	95	42	42.0	51.5	2,298	2,060
Star	StarFlex	54	7	96	43	40.3	52.1	2,308	2,080
Mean		54	7	97	40	40.0	51.3	2,394	2,141
CV %		3.8	24.8	1.8	7.1	3.1	1.6	10.5	--
LSD 0.05		3.0	2.7	2.6	4.2	1.8	1.2	370	--
LSD 0.10		2.5	2.2	2.1	3.5	1.5	1.0	306	--

Trial was planted on May 5 and harvested on Aug. 19. Previous crop was field pea.

<sup>1</sup>DAP = Days after planting.

**Table 10. 2020 Canola - Liberty Link, Clearfield and Conventional - Langdon - Authors, B. Hanson and L. Henry.**

Company/ Brand	Hybrid	Type <sup>1</sup>	Days to	Flower	Days to	Plant	Plant	Cover <sup>3</sup>	Oil Content	Seed Yield	
			Flower	Duration	Maturity	Height	Lodge <sup>2</sup>			2020	2-yr. Avg.
			(DAP) <sup>4</sup>	(days)	(DAP) <sup>4</sup>	(inch)	(0-9)	(%)	(%)	----- (lb/a) -----	
BASF	InVigor L233P	LL	39	18	87	43	6	88	42.0	3,565	3,547
BASF	InVigor L234PC	LL	39	18	86	48	6	89	41.6	3,195	3,295
BASF	InVigor L255PC	LL	42	21	91	47	5	79	43.5	2,961	3,449
BASF	InVigor L340PC	LL	41	23	92	46	5	85	40.9	3,414	--
BASF	InVigor L345PC	LL	41	22	92	51	6	88	40.6	3,135	3,541
BASF	InVigor L357P	LL	43	24	92	46	6	80	39.9	3,031	--
BASF	InVigor LR344PC	LL	40	21	91	50	7	91	41.4	3,020	--
Brett Young	BY19-6284CL	CL	42	21	91	48	5	66	42.4	2,603	--
Canterra	CS2500 CL	CL	40	19	90	48	5	75	42.3	2,665	2,949
Canterra	CS2700 CL	CL	44	23	93	49	4	68	42.6	2,722	--
Canterra <sup>5</sup>	CS2300	RR	44	25	92	51	5	64	42.1	2,745	--
Croplan <sup>5</sup>	CP955RR	RR	39	21	88	44	6	70	44.0	2,932	3,201
Dekalb	DKLL82SC	LL	38	20	89	42	5	80	42.2	3,169	--
Dekalb	DKTFLL21SC	LL/TF	39	20	89	45	5	69	42.2	3,327	--
Dyna-Gro	DG 200 CL	CL	44	23	93	47	7	75	41.0	2,644	2,930
Photosyntech	NCC101S	Conv	38	18	83	41	5	89	40.3	2,812	--
Photosyntech	PST SCI 226 CL	CL	50	22	93	54	0	74	41.1	2,653	--
Photosyntech	PST SCJ 701	Conv	43	24	93	50	6	78	39.2	2,571	--
Pioneer	P501L	LL	41	23	92	46	6	79	43.0	3,066	--
Pioneer	P502CL	CL	38	19	88	46	5	83	43.4	2,887	--
Mean			41	22	90	47	5	78	41.7	2,881	3,228
CV %			2.6	7.6	1.0	6.6	18	10.7	1.4	8.2	--
LSD 0.05			1.5	2.3	1.2	4.3	1.3	11.7	0.8	331	--
LSD 0.10			1.3	1.9	1.0	3.6	1.1	9.8	0.7	277	--

Trial was planted on May 27 and harvested on Sept. 10.

<sup>1</sup>LL = Liberty Link, CL = Clearfield System, RR = Roundup Ready, TF = Roundup Ready TruFlex, Conv = Conventional.

<sup>2</sup>Lodging: 0 = none, 9 = lying flat on the ground.

<sup>3</sup>Cover - visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor. Plants were at 5- to 6-leaf stage.

<sup>4</sup>DAP = Days after planting.

<sup>5</sup>Roundup Ready checks in the trial.

**Table 11. 2020 Canola - Liberty Link - Minot - Authors, E. Eriksmoen, A. Kraklau and D. Howat.**

Company/ Brand	Hybrid	Days to	Flower	Days to	Plant	Oil Content	Yield 2020
		Flower	Duration	Maturity	Height		
		(DAP) <sup>1</sup>	(days)	(DAP) <sup>1</sup>	(inch)	(%)	(lb/a)
BASF	InVigor L233P	42	20	79	39	44.9	2,172
BASF	InVigor L234PC	41	21	79	37	43.0	2,109
BASF	InVigor L255PC	45	19	83	37	46.8	1,538
BASF	InVigor L345PC	44	19	80	40	44.7	1,911
Dekalb	DKLL82SC	42	21	79	37	44.1	1,838
Dekalb	DKTFLL21SC	40	22	78	34	44.1	2,304
Mean		42	21	80	37	44.6	1,979
CV %		2.4	4.0	1.1	5.7	1.7	4.6
LSD 0.05		2.0	1.0	1.0	4.0	1.3	162
LSD 0.10		1.0	1.0	1.0	3.0	1.1	134

Trial was planted on May 27 and harvested on Aug. 21.

<sup>1</sup>DAP = Days after planting.



**Table 12. 2020 Canola - Roundup Ready - Williston - Authors, J. Bergman, G. Pradhan and M. Miller.**

Company/ Brand	Hybrid	Flower Duration (days)	Days to Maturity (DAP) <sup>2</sup>	Plant Height (inch)	Oil Content <sup>1</sup> (%)	Test Weight (lb/bu)	Seed Yield 2020 (lb/a)
BrettYoung	6090RR	26	95	30	41.6	49.5	824
BrettYoung	BY 6204TF	27	95	29	40.4	49.8	944
Canterra	CS2100	27	94	26	39.2	49.5	783
Canterra	CS2300	29	96	29	41.6	49.6	759
Canterra	CS2600 CR-T	30	94	28	40.8	49.9	942
Croplan	CP930RR	32	93	28	44.5	49.9	1,019
Croplan	CP955RR	30	93	28	43.7	50.8	1,176
Croplan	CP9919RR	32	94	24	40.2	48.6	777
Croplan	CP9978TF	27	95	29	39.9	49.6	795
Dekalb	DKTF91SC	31	94	26	40.7	49.2	740
Star	Star 402	30	94	27	44.3	49.8	881
Star	StarFlex	28	95	29	42.4	50.4	894
Mean		29	94	28	41.6	49.7	878
CV %		4.7	0.6	9.3	1.1	1.8	15.8
LSD 0.05		2.0	0.8	3.7	0.7	1.3	201
LSD 0.10		1.6	0.7	3.1	0.6	1.1	168

Trial was planted on May 13 and harvested on Aug. 20. Previous crop was soybean.

<sup>1</sup>Oil content is reported on a oven-dried basis, 120 F for four hours.

<sup>2</sup>DAP = Days after planting.

**Table 13. 2020 Canola - Clearfield - Williston - Authors, J. Bergman, G. Pradhan and M. Miller.**

Company/ Brand	Hybrid	Flower Duration (days)	Days to Maturity (DAP) <sup>2</sup>	Plant Height (inch)	Oil Content <sup>1</sup> (%)	Test Weight (lb/bu)	Seed Yield 2020 (lb/a)
Canterra	CS2500 CL	28	95	29	41.9	48.3	1,086
Canterra	CS2700 CL	27	95	31	43.7	49.6	969
Mean		27	95	30	42.8	49.0	1,027
CV %		5.9	0.9	7.1	1.1	4.2	11.8
LSD 0.05		1.7	0.9	2.2	0.5	2.2	128
LSD 0.10		1.4	0.7	1.8	0.4	1.8	105

Trial was planted on May 13 and harvested on Aug. 20. Previous crop was soybean.

<sup>1</sup>Oil content is reported on a oven-dried basis, 120 F for four hours.

<sup>2</sup>DAP = Days after planting.





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