A1124-22

North Dakota Canola

Hybrid Trial Results for 2022 and Selection Guide

Hans Kandel, Mukhlesur Rahman and Adnan Akyüz (NDSU Main Station); Mike Ostlie (Carrington Research Extension Center); Bryan Hanson, Lawrence Henry and Richard Duerr (Langdon Research Extension Center); Eric Eriksmoen, Austin Kraklau and Jayden Hansen (North Central Research Extension Center); Gautam Pradhan, Justin Jacobs, Andrina Turnquist and Tyler Tjelde (Williston Research Extension Center).

Canola is a major oil crop in the northern Great Plains, particularly in North Dakota. In 2022, North Dakota accounted for approximately 81% of the 2.21 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.

2022 Growing Season Update

Canola fieldwork began relatively late with 2% of the acres planted by May 8. On May 29, about 45% of the acres were planted, well behind the 81% average on the same date. On May 29, the topsoil moisture was rated at 61% adequate and 35% surplus. By July 3, 32% of the canola crop was flowering, compared with the average of 60% on the same day. Many parts of the state experienced a warm midsummer. By the last week in July 2022, the North Dakota office of the National Agricultural Statistics Service reported the canola crop condition as 2% poor, 30% fair, 63% good and 5% excellent. By Sept. 19, 68% of the canola acres were harvested. The 2022 season yield is estimated to be about 1,920 pounds per acre for North Dakota.





List of Tables

- Table 1. Canola Production, North Dakota 2008-2022.
- Table 2. April-September 2022 Average Temperature, Precipitation and Rankings for Select North Dakota Locations.
- Table 3. Company Name, Short Name Used in the Tables and URL With Company Information.
- Table 4. 2022 Summary of LibertyLink, Canola Hybrids in North Dakota.
- Table 5. 2022 Summary of Roundup Ready Canola Hybrids in North Dakota.
- Table 6. 2022 Canola Roundup Ready Carrington.
- Table 7. 2022 Canola LibertyLink Carrington.
- Table 8. 2022 Canola Roundup Ready Langdon.
- Table 9. 2022 Canola Irrigated Williston.
- Table 10. 2022 Canola LibertyLink Langdon
- Table 11. 2022 Canola LibertyLink Williston.
- Table 12. 2022 Canola LibertyLink Minot.
- Table 13. 2022 Canola Roundup Ready Minot.

Table 1. Canola Production, North Dakota 2008-2022.

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production
	(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	1,510	1,490	1,960	2,920,400
2021	1,750	1,720	1,340	2,304,800
2022^{1}	1,800	1,780	1,920	3,417,600
Average	1,314	1,293	1,683	2,169,893

¹Forecast U.S. Department of Agriculture (USDA).

Source: North Dakota Agricultural Statistics Service – USDA.

Table 2. April-September 2022 Average Temperature, Precipitation and Rankings for Selected North Dakota Locations.

Location	Average Temperature (Ranking)	Total Precipitation (Ranking)
Bowman	59.2 F (52nd warmest period since 1915)	12.5 inches (49th wettest period since 1915)
Bismarck	61.7 F (36th warmest period since 1875)	12.7 inches (65th wettest period since 1875)
Cavalier	56.8 F (21st coolest period since 1934)	20.9 inches (8th wettest period since 1927)
Fargo	60 F (68th coolest period since 1881)	16.9 inches (58th wettest period since 1881)
Minot Exp. Station	58.3 F (53rd warmest period since 1905)	15.1 inches (30th wettest period since 1894)
Williston Exp. Station	60 F (49th warmest period since 1894)	11.7 inches (49th wettest period since 1894)
North Dakota Average ¹	58.7 F (58th warmest period since 1895)	15.1 inches (38th wettest period since 1895)

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

About This Publication

Variety trial data from all NDSU Research Extension Centers for all crops can be found at www.ag.ndsu.edu/varietytrials and the variety selection tool at https://wt.ag.ndsu.edu/. 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. 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 between locations.

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.

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

Table 3. Company Name	, Short Name U	sed in the Tables and URL With Company Information.
Company/Brand	Short	URL
BASF	BASF	agriculture.basf.us/crop-protection/products/seeds/invigor.html
Bayer/Dekalb	Dekalb	www.dekalbasgrowdeltapine.com/
BrettYoung	BrettYoung	www.brettyoung.ca/agricultural-seed-crop-inputs-usa-portal/canola-usa/
Cargill (Victory)	Cargill	www.cargill.com/agriculture/specialty-canola-growing-program
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 Seeds/Canterra	Canterra	www.meridianseeds.com/bulk-seed-for-sale/oil-seed/canola-seed/
Nuseed SA	Nuseed	nuseed.com/us/crop/canola/
Star Specialty	Star	www.starspecialtyseed.com
WinField/Croplan	Croplan	www.winfieldunited.com/products/winfield-united-seed/

Table 4. 2022 Summary of LibertyLink Canola Hybrids in North Dakota.										
Company/			Blackleg	Clubroot	REC	REC	REC	REC	Irrigated	
Brand	Hybrid	Type ¹	Rating ²	Resistance ³	Carrington	Langdon	Minot	Williston	Williston	
BASF	L233P	LL	R	No	X	X	X	X	X	
BASF	L340PC	LL	R	Yes	X	X	X	X	X	
BASF	L343PC	LL	R	Yes	X	X	X	X	X	
BASF	L345PC	LL	R	Yes	X	X	X	X		
BASF	L350PC	LL	R	Yes		X	X			
BASF	LR344PC	LLTF	R	Yes	X	X	X	X	X	
BASF	LR354PC	LL/RR	R	Yes		X	X			
Canterra	CS4000 LL	LL	R	Yes		X	X	X		
Croplan	CP7130LL	LL	R	No	X	X	X	X	X	
Croplan	CP7144LL	LL	R	No	X	X	X	X	X	
Dekalb	DKLL82SC	LL	R	No	X	X	X			
Dekalb	DKLL83SC	LL	R	No	X	X	X			
Dekalb	DKTFLL21SC	LLTF	R	No	X	X	X	X		
Dyna-Gro	DG660LCM	LL	R	Yes			X			
Pioneer	P505MSL	LL	R	Yes	X	X				

 $^{^{1}}$ LL = LibertyLink, RR = Roundup Ready and TF = Roundup Ready TruFlex.

 $^{^{2}}$ Blackleg rating provided by company, R = Resistant.

³Hybrid Clubroot resistance rating provided by company.

Table 5. 2022	Table 5. 2022 Summary of Roundup Ready Canola Hybrids in North Dakota.												
Company/			Blackleg	Clubroot	REC	REC	REC	Irrigated					
Brand	Hybrid	Type ¹	Rating ²	Resistance ³	Carrington	Langdon	Minot	Williston					
BASF	LR344PC	TFLL	R	Yes		X							
BrettYoung	BY 6211TF	TF	R	No	X	X	X	X					
BrettYoung	BY 6217TF	TF	R	Yes			X						
Canterra	CS2600 CR-T	TF	R	Yes		X	X						
Canterra	CS3000 TF	TF	R	Yes		X	X						
Canterra	CS3100 TF	TF	R	Yes		X							
Cargill	H4389	TF	R	Yes	X								
Cargill	H5280	TF	R	Yes	X								
Cargill	V25-3T	TF	R	Yes		X	X						
Cargill	V25-5T	TF	R	Yes		X	X						
Croplan	CP9978TF	TF	R	No	X	X	X	X					
Dekalb	DKTF99SC	TF	R	No	X		X						
Dekalb	DKTFLL21SC	TFLL	R	No	X	X	X						
Dyna-Gro	DG 760TM	TF	R	No			X						
Integra	7361RC	TF	R	Yes	X	X	X						
Nuseed	NC155 TF	TF	R	No	X	X	X	X					
Nuseed	NC471 TF	TF	R	No	X	X	X	X					
Nuseed	NC527CR TF	TF	R	Yes	X	X	X	X					
Pioneer	45M35	RR	MR	No	X	X							
Star	StarFlex	TF	R	No		X	X	X					

 $[\]frac{Star}{}^{T} Hybrids are traditional oil type, RR = Roundup Ready, TF = Roundup Ready TruFlex and LL = LibertyLink.$

²Blackleg rating provided by company, R = Resistant.

³Hybrid Clubroot resistance rating provided by company.

Table 6. 2022 Canola - Roundup Ready - Carrington - Author, M. Ostlie.

Company/		Days to	Flower		Plant	Plant	1,000 Seed	Oil	Seed Yield
Brand	Hybrid	Flower	Duration	Maturity	Height	Lodge ¹	Weight	Content	2022
		$(DAP)^2$	(days)	$(DAP)^2$	(inch)	(0-9)	(gram)	(%)	(lb/a)
BrettYoung	BY 6211TF	42	15	81	37	1.3	2.7	43.0	1,897
Cargill	H4389	47	13	86	37	1.7	2.7	43.1	1,558
Cargill	H5280	47	13	87	43	0.7	2.8	46.0	1,855
Cargill	V25-3T	45	13	83	36	1.3	2.7	43.1	1,820
Cargill	V25-5T	47	13	87	44	1.7	2.6	43.7	1,734
Croplan	CP9978TF	42	15	83	36	4.0	2.8	43.6	1,594
Dekalb	DKTF99SC	41	16	81	35	2.3	2.7	41.7	2,155
Dekalb	DKTFLL21SC	39	16	80	30	3.3	2.6	42.9	1,720
Integra	7361RC	44	14	85	40	2.7	3.0	44.3	1,764
Nuseed	NC155 TF	41	15	82	35	1.7	2.5	41.4	1,742
Nuseed	NC471 TF	44	14	86	38	2.7	2.4	42.6	1,603
Nuseed	NC527CR TF	43	15	82	33	1.3	2.6	43.4	1,768
Pioneer	45M35	42	15	80	36	1.3	2.5	44.2	2,044
Mean		43	14	83	37	2.0	2.7	43.3	1,789
CV %		2.1	7.3	1.8	13.6	46	6.3	3.4	8.6
LSD 0.05		1.5	1.8	2.5	8.4	1.5	0.3	2.5	258
LSD 0.10		1.3	1.5	2.1	7.0	1.3	0.2	2.1	214

Trial was planted on May 18 and harvested on Aug. 17. Previous crop was soybean.

²DAP = Days after planting.

Table 7. 2022 Canola - LibertyLink - Carrington - Author, M. Ostlie.											
		Days to	Flower	Days to	Plant	Plant	1,000 Seed	Oil	Seed Yield		
Brand	Hybrid	Flower	Duration	Maturity	Height	Lodge ¹	Weight	Content	2022		
		$(DAP)^2$	(days)	$(DAP)^2$	(inch)	(0-9)	(gram)	(%)	(lb/a)		
BASF	L233P	43	15	85	43	3.0	2.6	44.0	2,122		
BASF	L340PC	41	16	86	41	2.5	2.9	43.2	2,921		
BASF	L343PC	42	14	88	43	2.0	2.8	44.0	2,928		
BASF	L345PC	43	16	89	42	3.0	2.8	44.5	2,862		
BASF	LR344PC	44	14	88	41	3.3	2.6	44.1	2,302		
Croplan	CP7130LL	43	15	84	47	2.0	2.5	42.9	2,074		
Croplan	CP7144LL	42	15	86	44	2.3	3.1	45.2	2,123		
Dekalb	DKLL82SC	41	16	83	39	3.0	2.6	45.0	2,145		
Dekalb	DKLL83SC	39	16	81	38	3.5	2.7	43.9	2,169		
Dekalb	DKTFLL21SC	40	16	80	39	4.0	2.6	43.9	1,907		
Pioneer	P505MSL	42	15	85	44	3.3	2.9	43.1	2,505		
Mean		42	15	85	42	2.9	2.7	44.0	2,369		
CV %		1.3	4.9	1.7	9.0	28	4.7	1.3	9.6		
LSD 0.05		0.8	1.1	2.1	5.4	1.2	0.2	0.8	327		
LSD 0.10		0.7	0.9	1.7	4.5	1.0	0.2	0.7	272		

Trial was planted on May 18 and harvested on Aug. 17. Previous crop was soybean.

¹Lodging: 0 = none, 9 = lying flat on the ground.

¹Lodging: 0 = none, 9 = lying flat on the ground.

 $^{^{2}}DAP = Days$ after planting.

Table 8. 2022 Canola - Roundup Ready - Langdon - Authors, B. Hanson, L. Henry and R. Duerr.											
Company/		Days to	Flower	Days to	Plant		Plant	Oil	See	d Yield	
Brand	Hybrid	Flower	Duration	Maturity	Height	Cover ^l	Lodge ²	Content	2022	2-yr Avg. ³	
		$(DAP)^4$	(days)	$(DAP)^4$	(inch)	(%)	(0-9)	(%)	([lb/a)	
BASF	LR344PC	41	21	94	45	99	3	41.5	2,954		
BrettYoung	BY 6211TF	39	21	91	45	99	3	40.6	3,295		
Canterra	CS2600 CR-T	38	19	88	46	99	4	41.5	2,409	2,867	
Canterra	CS3000 TF	37	20	90	45	98	4	41.5	2,929		
Canterra	CS3100 TF	44	20	97	48	98	2	42.2	3,382		
Cargill	V25-3T	43	21	94	51	100	0	41.9	3,072		
Cargill	V25-5T	45	18	96	55	100	0	43.3	3,675		
Croplan	CP9978TF	39	20	92	45	98	4	41.7	2,710	3,127	
Dekalb	DKTFLL21SC	38	21	89	45	99	3	40.9	3,148		
Integra	7361RC	40	20	91	45	97	4	40.9	2,657	2,953	
Nuseed	NC155 TF	38	24	91	49	100	2	41.6	2,963		
Nuseed	NC471 TF	40	20	92	47	100	2	42.3	2,360		
Nuseed	NC527CR TF	39	22	92	48	99	3	42.0	2,797		
Pioneer	45M35	41	21	92	48	99	2	44.1	3,511		
Star	StarFlex	40	21	93	45	97	2	41.8	3,149	3,113	
Mean		40	21	92	47	99	3	41.9	3,001	3,015	
CV %		1.4	4.7	1.4	5.9	1.7	15.1	1.0	7.1		
LSD 0.05		0.8	1.4	1.8	4.1	2.5	0.3	0.6	204		
LSD 0.10		0.7	1.1	1.5	3.4	2.0	0.3	0.5	170		

Trial was planted on June 3 and harvested on Sept. 22. Previous crop: soybean.

Plants were at 5- to 6-leaf stage.

⁴DAP = Days after planting.

Table 9. 2022	Table 9. 2022 Canola - Irrigated - Williston - Authors, J. Jacobs, A. Turnquist and T. Tjelde.											
Company/			Days to	Flower	Days to	Plant	Test	Seed	d Yield			
Brand	Hybrid	Type ¹	Flower	Duration	Maturity	Lodge	Weight	2022	2-yr Avg			
			$(DAP)^2$	(days)	$(DAP)^2$	$(0-9)^3$	(lb/bu)	(lb/a)			
BrettYoung	BY 6211TF	TF	42	15	89	1.3	53.1	3,105	3,180			
Croplan	CP9978TF	TF	42	14	91	2.0	53.1	2,411	2,770			
Nuseed	NC155 TF	TF	41	17	92	2.0	53.6	2,313				
Nuseed	NC471 TF	TF	42	16	90	3.0	53.0	1,530	2,123			
Nuseed	NC527CR TF	TF	42	14	90	1.3	52.8	2,441	2,573			
Star	StarFlex	TF	43	15	91	2.7	52.8	2,969	2,653			
BASF	L233P	LL	46	11	91	1.7	52.6	2,882	-			
BASF	L340PC	LL	44	15	90	1.7	52.0	3,133	-			
BASF	L343PC	LL	46	14	91	1.3	51.0	2,942	-			
BASF	LR344PC	LLTF	46	11	91	2.3	52.5	2,690	-			
Croplan	CP7130LL	LL	46	10	89	2.3	52.9	2,012	2,613			
Croplan	CP7144LL	LL	46	10	91	2.0	52.8	2,531	2,703			
Mean			44	14	91	2.0	52.7	2,580	2,659			
CV %							0.6	9.1				
LSD 0.05							0.5	398				
LSD 0.10							0.4	330				

Trial was planted on May 23 and harvested on Sept 7. Previous crop: dry bean.

¹Cover - visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor.

 $^{^{2}}$ Lodging: 0 = none, 9 = lying flat on the ground.

³Average of 2020 and 2022 data.

¹TF = Roundup Ready TruFlex and LL = LibertyLink.

²DAP = Days after planting.

 $^{^{3}}$ Lodging: 0 = none, 9 = lying flat on the ground.

Table 10. 2022 Canola - LibertyLink - Langdon - Authors, B. Hanson, L. Henry and R. Duerr.											
Company/	,		Days to	Flower	Days to	Plant		Plant	Oil	See	ed Yield
Brand	Hybrid	Type ¹	Flower	Duration	Maturity	Height	Cover ²	Lodge ³	Content	2022	2-yr Avg. ⁴
			$(DAP)^5$	(days)	$(DAP)^5$	(inch)	(%)	(0-9)	(%)		(lb/a)
BASF	L233P	LL	41	20	93	48	98	4.5	42.7	3,171	3,368
BASF	L340PC	LL	40	20	91	47	100	4.2	41.4	3,573	3,493
BASF	L343PC	LL	40	19	92	47	98	3.8	41.6	3,627	
BASF	L345PC	LL	41	20	93	47	99	4.1	41.8	3,734	3,435
BASF	L350PC	LL	45	19	98	51	99	1.7	45.2	3,615	
BASF	LR344PC	LL/RR	42	21	94	46	99	5.5	42.1	3,227	3,123
BASF	LR354PC	LL/RR	47	17	98	56	96	1.1	44.1	3,351	
Canterra	CS4000 LL	LL	40	20	93	50	101	4.0	42.9	3,237	3,279
Croplan	CP7130LL	LL	41	21	92	52	99	4.2	42.7	3,228	
Croplan	CP7144LL	LL	40	20	92	48	99	2.7	42.9	3,178	
Dekalb	DKLL82SC	LL	38	21	88	45	100	5.0	41.4	3,094	3,132
Dekalb	DKLL83SC	LL	38	19	88	49	97	3.9	43.5	3,182	
Dekalb	DKTFLL21SC	LLTF	37	21	87	46	95	2.9	43.2	2,793	3,060
Pioneer	P505MSL	LL	40	19	92	53	99	5.8	41.9	2,647	
Mean			41	20	92	49	99	3.8	42.7	3,261	3,206
CV %			1.9	5.0	1.1	5.5	1.8	12.9	1.2	3.9	
LSD 0.05			1.1	1.4	1.4	3.9	2.5	0.5	0.7	122	
LSD 0.10			0.9	1.2	1.2	3.2	2.0	0.4	0.6	102	

Trial was planted on June 3 and harvested on Sept. 22. Previous crop: soybean.

Table 11.	2022 Canola - Liberty I	ink - Willisto	n - Author,	G. Pradh	an.	
Company/		Days to	Days to	Plant	Test	Seed Yield
Brand	Hybrid	Flower	Maturity	Height	Weight	2022
		$(DAP)^1$	$(DAP)^1$	(inch)	(lb/bu)	(lb/a)
BASF	L233P	43	80	33	52.4	472
BASF	L340PC	42	79	35	52.8	544
BASF	L343PC	43	83	33	51.7	490
BASF	L345PC	43	84	33	52.4	539
BASF	LR344PC	43	85	34	51.8	469
Canterra	CS4000 LL	45	82	33	51.7	199
Croplan	CP7130LL	43	79	34	52.2	204
Croplan	CP7144LL	42	79	33	51.4	237
Dekalb	DKTFLL21SC	46	81	31	52.4	385
Mean		43	81	33	52.1	393
CV %		10.9	1.8	7.7	0.7	14.0
LSD 0.05		6.9	2.2	3.8	0.5	81
LSD 0.10		5.7	1.8	3.1	0.4	67

Trial was planted on May 24 and harvested on Aug. 26. Previous crop: soybean.

¹LL = LibertyLink, RR = Roundup Ready, and TF = Roundup Ready TruFlex.

²Cover - 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.

 $^{^{3}}$ Lodging: 0 = none, 9 = lying flat on the ground.

⁴Average of 2020 and 2022 data.

⁵DAP = Days after planting.

¹DAP = Days after planting.

Table 12. 2022 Canola - LibertyLink - Minot - Authors, E. Eriksmoen, A. Kraklau and J. Hansen.											
Company/		Days to	Flower	Days to	Plant	Oil	Yield				
Brand	Hybrid	Flower	Duration	Maturity	Height	Content	2022				
		$(DAP)^{1}$	(days)	$(DAP)^1$	(inch)	(%)	(lb/a)				
BASF	L233P	41	25	85	31	41.8	2,294				
BASF	L340PC	41	25	84	37	41.1	2,251				
BASF	L343PC	41	25	86	31	41.5	2,165				
BASF	L345PC	41	25	83	39	41.0	2,171				
BASF	L350PC	42	21	86	39	42.4	1,953				
BASF	LR344PC	42	24	84	34	41.6	2,270				
BASF	LR354PC	40	24	86	33	41.5	1,888				
Canterra	CS4000 LL	39	26	84	30	41.0	1,961				
Croplan	CP7130LL	40	26	83	39	41.4	2,091				
Croplan	CP7144LL	40	24	80	31	41.5	1,869				
Dekalb	DKLL82SC	39	26	86	35	40.2	1,778				
Dekalb	DKLL83SC	43	23	82	35	41.7	1,742				
Dekalb	DKTFLL21SC	39	26	86	33	40.3	1,879				
Dyna-Gro	DG660LCM	41	24	84	36	41.2	1,879				
Mean		41	25	84	35	41.3	2,014				
CV %		1.7	7.1	1.0	10.9	2.0	5.7				
LSD 0.05		1.0	NS	1.0	6.0	NS	188				
LSD 0.10		1.0	2.0	1.0	5.0	1.1	156				

Trial was planted on May 25 and harvested on Sept. 6. Previous crop: soybean.

¹DAP = Days after planting.

Table 13. 2022 Canola - Roundup Ready - Minot - Authors, E. Eriksmoen, A. Kraklau and J. Hansen.								
Company/		Days to	Flower	Days to	Plant	Oil	Yield	
Brand	Hybrid	Flower	Duration	Maturity	Height	Content	2022	
		$(DAP)^1$	(days)	$(DAP)^1$	(inch)	(%)	(lb/a)	
BrettYoung	BY 6211TF	41	25	85	34	40.1	1,867	
BrettYoung	BY 6217TF	43	24	85	40	42.8	2,153	
Canterra	CS2600 CR-T	41	25	83	32	41.3	1,786	
Canterra	CS3000 TF	38	27	86	29	40.8	2,092	
Cargill	V25-3T	41	26	83	37	41.3	1,920	
Cargill	V25-5T	43	25	86	43	41.4	2,105	
Croplan	CP9978TF	41	24	85	33	40.9	1,724	
Dekalb	DKTF99SC	42	25	86	31	40.5	2,379	
Dekalb	DKTFLL21SC	40	28	87	31	41.6	1,894	
Dyna-Gro	DG760TM	40	26	86	33	41.7	2,050	
Dyna-Gro	DG781TCM	40	24	85	34	41.6	2,451	
Integra	7361RC	42	23	85	32	40.7	1,932	
Nuseed	NC155 TF	39	29	86	38	40.5	2,222	
Nuseed	NC471 TF	41	24	85	35	40.6	1,790	
Nuseed	NC527CR TF	40	24	82	34	42.9	2,070	
Star	StarFlex	41	25	84	32	41.0	1,742	
Mean		41	25	85	34	41.2	2,011	
CV %		3.7	6.7	2.2	8.2	1.9	6.9	
LSD 0.05		3.0	3.0	3.0	5.0	1.3	228	
LSD 0.10		2.0	2.0	3.0	4.0	1.1	189	

Trial was planted on May 25 and harvested on Sept. 6. Previous crop: soybea

¹DAP = Days after planting.

NDSU does not endorse commercial products or companies even though reference may be made to tradenames, trademarks or service names.	
For more information on this and other topics, see www.ag.ndsu.edu NDSU encourages you to use and share this content, but please do so under the conditions of our Creative Commons license. You may copy, distribute, transmit and adapt this work as you give full attribution, don't use the work for commercial purposes and share your resulting work similarly. For more information, visit www.ag.ndsu.edu/agcomm/creative-com	as long

500-11-22