

CANADA WESTERN RED SPRING WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% AAC Brandon)			Agronomic Characteristics:									Disease Tolerance:		
			Overall Yield	Low < 77 (bu/ac)	High ≥ 77 (bu/ac)	Maturity Rating (Days +/- AAC Brandon)	Protein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:			Bunt	Stripe Rust	FHB
												Lodg- ing	Sprout- ing				
Yield and agronomic data only directly comparable to AAC Brandon																	
AAC Brandon (bu/ac)			78	59	96												
AAC Brandon - check 🌾	2023	134	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR	
AAC Broadacres VB 🌾	2021	30	105	103	106	0	-0.7	63	40	86	Y	VG	F	R	MR	I	
AAC Connery 🌾	2016	24	97	93	106	-1	0.2	62	40	88	N	VG	G	I	R	MR	
AAC Dutton VB 🌾*	2023	28	98	95	101	-1	-0.4	62	37	86	Y	G	F	R	MR	MR	
AAC Elie 🌾	2020	15	103	105	100	0	-0.5	64	39	84	Y	G	F	I	MR	I	
AAC Hassler 🌾*	2023	32	93	89	96	-2	0.7	62	37	91	Y	P	P	MS	R	I	
AAC Hockley 🌾*	2023	31	99	95	103	1	0.1	64	35	83	Y	VG	F	R	R	MR	
AAC Hodge VB 🌾	2022	31	103	101	105	-1	-0.3	63	37	91	Y	G	P	R	R	MR	
AAC LeRoy VB 🌾	2021	29	100	101	99	0	-0.2	63	39	88	Y	G	G	I	MR	MR	
AAC Magnet 🌾	2020	36	93	94	93	-2	0.0	63	40	90	Y	VG	P	S	I	MR	
AAC Redberry 🌾	2017	37	94	94	94	-3	-0.3	63	41	90	Y	F	VG	I	R	I	
AAC Redstar 🌾	2022	31	96	92	101	-2	0.0	63	36	90	Y	VG	G	MR	MR	MR	
AAC Russell VB 🌾	2021	30	104	103	104	-1	-0.2	63	39	87	Y	G	F	MR	R	MR	
AAC Starbuck VB 🌾	2020	36	103	104	102	0	-0.2	63	39	87	Y	F	F	S	MR	MR	
AAC Tisdale † 🌾	2017	37	94	94	94	-1	0.6	63	42	93	Y	F	F	MR	S	MR	
AAC Viewfield 🌾	2023	78	102	99	105	0	-0.3	63	36	79	Y	VG	G	MR	R	I	
AAC Warman VB † 🌾	2020	36	94	93	94	-1	-0.4	63	38	99	Y	P	F	S	MS	MR	
AAC Wheatland VB 🌾	2020	36	104	104	104	0	-0.5	63	40	86	Y	VG	VG	MR	I	I	
Carberry† 🌾	2021	59	94	92	95	0	0.1	63	39	84	Y	VG	F	R	MR	MR	
CDC Abound † 🌾	2010	88	101	100	105	-1	-0.1	63	40	87	Y	G	F	I	MS	S	
CDC Adamant VB 🌾	2018	37	98	98	97	-1	-0.2	63	39	88	Y	P	F	S	MS	I	
CDC Envy 🌾*	2023	28	98	93	102	-2	-0.4	62	39	86	Y	F	G	R	MR	I	
CDC Hughes VB † 🌾	2018	37	96	96	96	-1	-0.2	63	44	87	Y	G	G	MS	I	I	
CDC Landmark VB 🌾	2019	50	99	98	100	-1	-0.2	63	43	88	Y	G	G	MS	MR	I	
CDC Ortona 🌾	2020	36	99	98	100	-1	-0.4	63	35	93	N	G	VG	S	R	I	
CDC Pilar CLPlus 🌾*	2021	30	98	98	98	-1	-0.5	62	38	78	Y	VG	VG	MR	MS	I	
CDC Plentiful † 🌾	2014	41	92	XX	XX	-2	-0.2	64	35	94	N	G	F	I	MR	MR	
CDC Silas 🌾*	2022	31	99	97	101	0	-0.2	62	36	87	Y	F	F	MS	I	I	
CDC SKRush 🌾*	2022	31	100	97	104	-1	-0.1	63	33	93	Y	F	P	I	MR	MR	
CDC Succession CLPlus VB 🌾*	2021	30	101	102	101	0	-0.4	62	41	86	Y	VG	G	S	I	MS	
Ellerslie 🌾	2021	30	99	96	103	-1	-0.2	61	35	90	N	VG	F	S	R	I	
Jake 🌾	2020	36	94	93	96	-2	0.6	63	37	93	Y	F	F	MR	R	MS	
Parata 🌾	2019	37	87	86	88	-4	0.2	63	39	94	Y	F	F	S	MR	I	
Rednet 🌾	2022	43	97	94	100	0	0.1	64	37	97	Y	F	F	S	R	MR	
Sheba † 🌾	2021	30	96	91	100	-1	-0.5	63	36	94	N	G	G	MR	R	I	
Stettler 🌾	2020	90	97	98	97	0	0.1	63	38	92	Y	F	G	MR	MR	MS	
SY Brawn VB 🌾	2021	30	99	95	102	-1	-0.1	62	35	91	Y	G	G	MR	I	I	
SY Cast 🌾*	2021	30	98	97	99	-1	0.4	62	39	83	Y	VG	G	R	R	I	
SY Crossite 🌾	2021	30	100	101	99	-1	-0.3	62	40	90	Y	G	G	MS	R	MR	
SY Gabbro 🌾	2021	41	99	98	100	-1	0.0	62	40	90	Y	VG	F	I	I	MR	
SY Manness 🌾	2022	31	98	94	103	-1	-0.4	62	33	81	Y	VG	G	S	I	I	
SY Torach 🌾	2021	30	99	97	101	0	0.4	63	33	80	Y	VG	P	MS	MS	MR	
Thorsby 🌾	2015	43	92	XX	XX	-2	-0.5	64	38	87	N	G	F	S	R	I	
Tracker 🌾	2020	36	94	93	95	-2	0.0	63	35	90	N	F	F	S	R	I	

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the Regional Variety Trials. Errors were discovered in calculations of historical sprouting ratings; corrected sprouting ratings are now reported. Fusarium Head Blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for bunt should be treated with a systemic seed treatment to reduce the potential for infection. CDC Adamant VB, CDC Landmark VB and CDC Hughes VB have a semi-solid stem that confers resistance to the wheat stem sawfly. CDC Abound, CDC Pilar CLPlus, and CDC Succession CLPlus VB are tolerant to the CLEARFIELD® herbicides Adrenalin SC and Altitude FX. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. New registrations and insufficient data to describe: AAC Darby VB (PT495), AAC Walker VB (BW1116), AAC Westking (BW5090), Donalds (BW5065), and AAC Spike (PT4002). ☼ = PBR Protection under UPOV 78, ☼ = PBR protection under UPOV 91, and ☼* = PBR application filed and subject to provisional protection. XX - Insufficient data to describe. † Flagged for possible removal in 2025.

CANADA WESTERN HARD WHITE SPRING WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% AAC Brandon)			Agronomic Characteristics:									Disease Tolerance:		
			Over-all Yield	Low < 77 (bu/ ac)	High ≥ 77 (bu/ ac)	Maturity Rating (Days +/- AAC Brandon)	Pro-tein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:			Bunt	Stripe Rust	FHB
												Lodg-ing	Sprout-ing				
Yield and agronomic data only directly comparable to AAC Brandon																	
AAC Brandon (bu/ac)			77	59	96												
AAC Brandon - check ☁	2023	98	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR	
AAC Cirrus ☹	2019	37	93	91	96	0	-0.2	62	42	91	Y	G	F	I	MR	I	
AAC Iceberg ☁	2014	37	90	XX	XX	-1	-0.6	63	46	102	Y	G	F	R	S	I	
AAC Tomkins ☹*	2023	31	89	82	94	0	0.1	62	37	87	Y	VG	F	MR	MS	I	
AAC Whitehead VB ☹	2023	31	102	95	107	0	-0.7	62	41	84	Y	VG	F	R	MR	I	

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. Errors were discovered in calculations of historical sprouting ratings; corrected sprouting ratings are now reported. Fusarium Head Blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for bunt should be treated with a systemic seed treatment to reduce the potential for infection. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. ☁ = PBR Protection under UPOV 78, ☹ = PBR protection under UPOV 91, and ☹* = PBR application filed and subject to provisional protection. XX - Insufficient data to describe.

CANADA PRAIRIE SPRING RED WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Test- ing	Overall Yield	Yield Category (% AAC Brandon)		Agronomic Characteristics:								Disease Tolerance:		
				Low < 77 (bu/ac)	High ≥ 77 (bu/ac)	Relative Maturity (Days +/- AAC Brandon)	Pro- tein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Bunt	Stripe Rust	FHB
												Lodg- ing	Sprout- ing			
Yield and agronomic data only directly comparable to AAC Brandon																
AAC Brandon (bu/ac)			80	58	95											
AAC Brandon ☁	2023	204	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR
5700PR ☁	2004	117	102	XX	XX	-1	-1.3	62	42	85	Y	VG	F	R	S	MS
AAC Crossfield + ☹	2017	37	105	105	105	-1	-1.4	62	42	85	Y	G	P	I	R	I
AAC Goodwin ☹	2023	23	105	107	105	-1	-0.7	65	39	85	Y	VG	VG	MS	R	I
AAC Penhold ☹	2023	91	102	98	103	0	-0.7	64	43	77	Y	VG	VG	R	I	MR
AAC Perform ☹*	2023	30	105	100	107	2	-1.6	63	40	88	Y	G	P	I	MR	MS
AAC Rimbey VB ☹*	2023	34	106	97	109	0	-2.1	63	44	85	Y	G	VG	I	R	I
AAC Westlock ☹*	2023	34	106	100	108	1	-1.3	64	44	86	Y	G	G	R	R	MR
Accelerate ☹* VUA	2022	45	106	102	108	0	-1.1	63	35	80	Y	G	P	S	R	I
CDC Reign ☹	2022	33	102	98	105	2	-0.9	63	38	86	Y	VG	VG	S	I	I
SY Rorke ☹	2021	32	105	101	107	1	-1.4	62	36	85	Y	F	F	MS	S	I
UA Forefront ☹*	2023	30	102	98	104	2	-1.1	63	43	82	Y	VG	F	I	R	MS

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. Errors were discovered in calculations of historical sprouting ratings; corrected sprouting ratings are now reported. Fusarium Head Blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for bunt should be treated with a systemic seed treatment to reduce the potential for infection. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. ☁ = PBR Protection under UPOV 78, ☹ = PBR protection under UPOV 91, ☹* = PBR application filed and subject to provisional protection, and VUA = Variety Use Agreement applied seeds-canada.ca/variety-use-agreement/ XX - Insufficient data to describe. † Flagged for possible removal in 2025.

CANADA NORTHERN HARD RED WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Test- ing	Yield Category (% AAC Brandon):				Agronomic Characteristics:							Disease Tolerance:				
			Overall Yield	Low < 77 (bu/ac)	High ≥ 77 (bu/ac)	Maturity Rating (Days +/- AAC Brandon)	Protein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Bunt	Stripe Rust	FHB		
												Lodg- ing	Sprout- ing					
Yield and agronomic data only directly comparable to AAC Brandon																		
AAC Brandon (bu/ac)			78	59	96													
AAC Brandon ☼			2023	112	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR	
AC Foremost			2019	37	103	100	105	-1	-1.6	62	42	75	Y	VG	F	R	S	S

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. Fusarium Head Blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for bunt should be treated with a systemic seed treatment to reduce the potential for infection. ☼ = PBR Protection under UPOV 78.

CANADA WESTERN SPECIAL PURPOSE WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% AAC Brandon)			Agronomic Characteristics:								Disease Tolerance:		
			Over- all Yield	Low < 77 (bu/ac)	High ≥ 77 (bu/ac)	Relative Maturity (Days +/- AAC Brandon)	Protein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Bunt	Stripe Rust	FHB
												Lodg- ing	Sprout- ing			
AAC Brandon (bu/ac)			83	52	94											
AAC Brandon 🌾	2023	52	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR
AAC Awesome VB 🌾	2018	37	128	124	129	0	-2.5	62	44	92	Y	G	P	I	R	I
Alderon	2018	37	128	116	131	4	-2.8	58	41	81	N	VG	F	MS	MR	MS
Pasteur	2023	52	119	113	120	3	-2.4	63	39	86	N	VG	G	S	MR	I
Sparrow VB †	2018	37	128	122	130	4	-2.6	60	41	85	N	VG	G	I	MR	MR
WPB Whistler †🌾	2021	27	120	113	122	3	-2.6	60	40	78	N	VG	F	I	R	MS

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. Errors were discovered in calculations of historical sprouting ratings; corrected sprouting ratings are now reported. Fusarium Head Blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for bunt should be treated with a systemic seed treatment to reduce the potential for infection. WPB Whistler has solid stems which provides protection against the wheat stem sawfly. VB - designates a varietal blend to preserve the *Sm1* orange wheat blossom midge tolerance gene. New registrations and insufficient data to describe: Alotta§ (GP250). § = CGC grade assignment is TBA. ☼ = PBR Protection under UPOV 78 and ☺ = PBR protection under UPOV 91. † Flagged for possible removal in 2025.

CANADA WESTERN AMBER DURUM WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% Strongfield)			Agronomic Characteristics:							Disease Tolerance:		
			Over- all Yield	Low < 77 (bu/ac)	High ≥ 77 (bu/ac)	Maturity Rating (Days +/- Strong- field)	Protein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to:		Bunt	Stripe Rust	Fusarium Head Blight
											Lodg- ing	Sprout- ing			
Strongfield (bu/ac)			68	54	100										
Strongfield † ☼	2023	180	100	100	100	107	14.5	62	44	86	F	F	MR	MR	S
AAC Antler ☼*	2023	33	102	104	100	1	0.2	63	42	87	F	F	R	R	MS
AAC Congress ☼	2017	18	102	101	102	1	-0.5	63	44	86	P	F	R	R	MS
AAC Donlow ☼	2023	22	109	111	106	1	-0.5	62	43	86	G	G	R	R	MS
AAC GoldNet ☼	2022	24	108	108	109	1	0.0	62	43	90	G	G	R	R	S
AAC Grainland ☼	2020	11	97	97	XX	1	-0.5	62	43	86	F	G	R	R	MS
AAC Schrader☼ *	2023	19	110	110	111	1	-0.2	62	43	90	G	F	MR	R	I
AAC Spitfire† ☼	2016	21	98	98	XX	0	-0.6	61	46	83	G	F	R	R	S
AAC Stronghold☼	2023	29	104	101	108	0	-0.5	62	45	83	VG	G	I	MR	MS
AAC Succeed VB ☼	2019	11	103	105	XX	0	0.0	63	45	88	F	F	R	I	MS
AAC Weyburn VB ☼*	2022	28	107	110	102	1	-0.8	62	43	85	F	F	R	R	MS
Brigade ☼	2020	75	102	102	100	2	-0.6	62	44	93	F	F	R	MR	MS
CDC Alloy ☼	2019	17	98	97	99	1	-0.1	63	43	87	F	F	R	R	MS
CDC Covert ☼	2022	21	108	110	104	0	-0.4	62	40	86	G	G	R	R	S
CDC Credence† ☼	2019	11	102	104	XX	1	-0.5	63	42	92	F	F	R	MR	MS
CDC Defy ☼	2021	18	105	106	102	0	-1.0	63	42	90	G	F	R	I	MS
CDC Dynamic† ☼	2018	14	94	94	94	0	0.4	62	43	88	F	G	R	MR	MS
CDC Flare	2021	11	104	99	XX	0	-0.6	62	44	86	VG	P	R	MR	MS
CDC Fortitude† ☼	2015	26	103	103	103	1	-0.8	63	45	83	F	F	R	R	MS
CDC Vantta ☼ *	2023	12	101	XX	99	4	-0.7	62	42	76	VG	G	R	R	MS
Transcend ☼	2022	55	101	102	99	1	0.2	62	42	92	F	G	R	R	MS

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. Errors were discovered in calculations of historical sprouting ratings; corrected sprouting ratings are now reported. Generally, durum wheat is best adapted to southern Alberta. Outside of this area, durum tends to be late maturing and often subject to quality loss. Durum varieties are generally more susceptible to Fusarium Head Blight than CWRS wheat varieties. AAC Grainland, AAC Stronghold, CDC Fortitude and AAC Weyburn VB have a solid stem that confers resistance to the wheat stem sawfly. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. CDC Flare is tolerant to the Clearfield herbicides Adrenalin SC and Altitude FX. New registrations and insufficient data to describe: CDC Evident (DT1020). ☼ = PBR Protection under UPOV 78, ☼ = PBR protection under UPOV 91, and ☼* = PBR application filed and subject to provisional protection. XX - Insufficient data to describe. † Flagged for possible removal in 2025.

CANADA WESTERN SOFT WHITE SPRING WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% AAC Brandon):			Agronomic Characteristics:								Disease Tolerance:		
			Over-all Yield	Low < 77 (bu/ac)	High ≥ 77 (bu/ac)	Maturity Rating (Days +/- AAC Brandon)	Protein (%)	Test Weight (lb/ bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Bunt	Stripe Rust	FHB
												Lodg- ing	Sprout- ing			
AAC Brandon (bu/ac)			82	54	93											
AAC Brandon ☼	2023	71	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR
AAC Chiffon VB ☼	2015	39	125	XX	XX	0	-3.5	62	46	97	Y	G	P	S	MR	S
AAC Paramount VB ☼	2019	39	125	116	127	0	-3.0	61	41	89	Y	VG	P	S	R	MS
AC Andrew	2023	71	118	111	120	0	-3.0	62	40	85	Y	VG	P	S	I	I
Sadash VB ☼	2019	39	125	118	127	0	-3.2	63	40	88	Y	VG	P	S	R	S

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. Varieties rated Intermediate (I) to Susceptible (S) for bunt should be treated with a systemic seed treatment to reduce the potential for infection. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. Plant Breeders Rights: ☼ = PBR Protection under UPOV 78 and ☼ = PBR protection under UPOV 91. XX - Insufficient data to describe.

MALTING BARLEY

2 or 6 row	Awn Type	Glycosidic Nitriles Trait	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% AAC Synergy)				Agronomic Characteristics:				
					Overall Yield	Low < 113 (bu/ac)	High ≥ 113 (bu/ac)	Maturity Rating (Days +/- AAC Synergy)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	
Yield and agronomic data only directly comparable to AAC Synergy													
AAC Synergy (bu/ac)					124	86	146						
AAC Synergy ☼	2	R	normal	2023	131	100	100	100	93	53	49	81	F
AAC Connect ☼	2	R	normal	2019	48	97	98	96	0	53	50	82	G
AAC Prairie ☼	2	R	normal	2023	33	97	96	98	0	53	47	80	F
AB BrewNet ☼	2	R	normal	2023	50	100	96	102	3	52	47	88	G
AC Metcalfe	2	R	normal	2023	103	91	89	92	0	53	46	81	F
CDC Bow ☼	2	R	normal	2016	38	97	98	96	1	52	45	79	VG
CDC Churchill ☼	2	R	normal	2023	42	103	101	104	2	53	46	77	G
CDC Copeland	2	R	normal	2023	88	95	92	96	1	52	47	86	F
CDC Copper ☼	2	R	normal	2020	32	104	113	102	0	52	46	78	G
CDC Fraser ☼	2	R	normal	2017	37	102	103	101	1	52	46	78	G
CDC Goldstar ☼	2	R	normal	2019	34	104	105	103	0	54	46	88	G
CDC PlatinumStar ⁺ ☼	2	R	normal	2016	38	99	101	96	1	54	46	84	F
Cerveza ⁺ ☼	2	R	normal	2011	39	102	101	102	1	52	43	76	F
Legacy ⁺	6	SS	normal	2007	55	95	93	97	-1	50	37	84	G
RGT Asteroid ☼ VUA []	2	R	non-GN	2023	21	103	XX	105	4	52	50	68	VG
RGT Planet ☼ VUA []	2	R	normal	2023	27	103	104	103	3	52	51	72	G

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the Regional Variety Trials. In 2023, the check cultivar was changed to AAC Synergy. All previously tested varieties were adjusted relative to AAC Synergy based on the relative difference between CDC Copeland and AAC Synergy since 2015. New registrations and insufficient data to describe: AB Dram (TR41617). Glycosidic nitriles (GN) is a precursor to ethyl carbamate, a compound that is a concern in the fermentation process but becomes an amplified concern in the distilling process. The Canadian Malting Barley Technical Centre (CMBTC) evaluates and recommends malting barley varieties for industry acceptance. Please refer to the 2023-2024 CMBTC Recommended Malt Barley Variety List for more information. *These varieties are recognized as malts in other jurisdictions but were not registered through the Prairie Recommending Committee for Oat and Barley (PRCOB) and therefore, have not been designated as a Canadian Grain Commission - Barley, Canada Western Malting variety. ☼ = PBR Protection under UPOV 78, ☼ = PBR protection under UPOV 91, * = PBR application filed and subject to provisional protection, and VUA = Variety Use Agreement applied (<http://seeds-canada.ca/variety-use-agreement/>). † Flagged for possible removal in 2025.

MALTING BARLEY – CONTINUED

	Disease Tolerance:						
	Loose Smut	Other Smuts	Scald	Net Blotch:		Spot Blotch	FHB
				Spot form	Net form		
Agronomic data only directly comparable to AAC Synergy							
AAC Synergy ☼	S	I	S	R	MR	R	I
AAC Connect ☼	S	R	S	MR	I	MR	MR
AAC Prairie ☼	S	MR	MS	I	MR	I	I
AB BrewNet ☼	MS	MR	I	I	MS	I	MR
AC Metcalfe	R	I	S	I	S	I	I
CDC Bow ☼	S	I	MS	MR	S	I	I
CDC Churchill ☼	MS	MR	S	MR	MR	I	MS
CDC Copeland	MS	I	S	I	I	S	I
CDC Copper ☼	I	MR	MR	MR	MR	I	MS
CDC Fraser ☼	R	MR	MS	MR	MR	R	I
CDC Goldstar ☼	I	R	S	MR	I	I	MS
CDC PlatinumStar ⁺ ☼	S	R	S	MR	I	S	MR
Cerveza ⁺ ☼	R	R	S	MR	MS	R	I
Legacy ⁺	I	MR	S	MR	S	MR	MS
RGT Asteroid ☼ VUA []	R	XX	MR	I	MS	MS	I
RGT Planet ☼ VUA []	R	XX	MR	MS	MS	MS	I

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the Regional Variety Trials. Varieties rated Intermediate (I) to Susceptible (S) for smuts should be treated with a systemic seed treatment to reduce the potential for infection. ☼ = PBR Protection under UPOV 78, ☼ = PBR protection under UPOV 91, * = PBR application filed and subject to provisional protection, and VUA = Variety Use Agreement applied (<http://seeds-canada.ca/variety-use-agreement/>). † Flagged for possible removal in 2025.

FEED AND FOOD BARLEY

Variety	2 or 6 row	Awn Type	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% AAC Synergy)			Agronomic Characteristics:					Disease Tolerance:							
					Over- all Yield	Low < 113 (bu/ ac)	High ≥ 113 (bu/ ac)	Maturity Rating (Days +/- AAC Synergy)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodg- ing	Loose Smut	Other Smuts	Scald	Net Blotch:			Spot Blotch	FHB
																Spot form	Net form	Spot Blotch		
GENERAL PURPOSE																				
Yield and agronomic data only directly comparable to AAC Synergy																				
AAC Synergy (bu/ac)					124	86	146													
AAC Synergy ☼	2	R	2023	131	100	100	100	93	53	49	81	F	S	I	S	R	MR	R	I	
AAC Lariat ☼*	2	R	2023	35	106	99	108	1	53	48	80	F	R	R	S	MR	R	I	MS	
AB Advantage ☼	6	S	2020	32	104	100	106	2	52	48	102	G	MR	I	I	I	MS	I	S	
AB Cattlelac ☼	6	SS	2021	29	98	93	100	0	52	42	90	G	I	R	I	MR	MS	R	S	
AB Hague ☼	2	R	2022	38	106	106	106	3	53	48	86	G	MR	R	I	I	I	I	MR	
AB Maximizer ☼*	2	R	2023	21	104	XX	106	2	53	46	82	G	I	R	I	I	I	I	I	
AB Prime ☼*	2	R	2023	39	107	109	107	1	53	48	86	G	S	R	I	I	MR	I	I	
AB Standswell ☼*	6	S	2023	21	107	XX	108	2	50	39	77	F	MS	R	MS	I	MR	MR	S	
AB Tofield ☼	6	S	2021	24	104	102	105	1	52	43	84	G	MR	MR	I	I	MS	I	S	
AB Wrangler ☼	2	R	2021	30	103	106	101	2	53	48	81	F	MS	MR	MS	I	I	MR	MR	
Altorado ☼	2	R	2019	60	106	105	106	1	53	46	78	G	MR	MR	S	I	S	S	I	
Amisk † ☼	6	SS	2015	32	99	97	101	1	50	43	71	VG	S	MS	I	MR	I	MR	S	
Bighorn ☼*	2	R	2022	38	108	112	106	1	54	51	86	F	I	R	S	I	I	I	I	
Brahma ☼	2	R	2014	67	105	104	106	1	54	44	76	G	MS	R	S	I	I	S	I	
Canmore ☼	2	R	2015	33	99	97	101	1	53	46	75	G	R	R	MR	MR	MS	I	I	
Cantu ☼*	2	R	2022	38	111	117	109	3	54	51	85	G	I	R	S	I	I	I	I	
CDC Austenson ☼	2	R	2023	101	100	94	103	2	54	49	81	G	S	R	S	R	MS	MR	I	
CDC Coalition ☼	2	R	2009	42	101	100	102	2	54	44	76	G	R	MR	S	MR	S	I	I	
CDC Cowboy ☼	2	R	2008	61	88	89	88	2	53	52	105	F	MS	MR	MS	MR	I	I	MR	
CDC Durango ☼*	2	R	2023	41	106	98	109	2	54	50	79	VG	S	R	MS	MS	MR	I	I	
CDC Maverick ☼	2	S	2013	31	88	84	92	2	55	52	100	F	S	R	MS	MR	I	I	MR	
CDC Renegade ☼	2	S	2022	26	102	109	97	4	52	52	90	F	I	MR	S	MR	I	MS	MR	
CDC Trey †	2	R	2009	88	97	96	98	0	53	47	82	G	MS	R	MS	R	I	I	I	
Claymore ☼	2	R	2017	72	106	104	107	2	53	44	80	G	S	R	S	I	S	MS	MR	
CONLON ☼	2	S	2007	53	87	85	89	-3	53	49	82	G	I	I	S	MR	I	S	MR	
Esma ☼* VUA	2	R	2022	26	110	114	107	3	52	51	69	VG	R	XX	S	MS	MS	MS	I	
Ferguson ☼*	2	R	2023	41	108	109	108	1	54	47	80	G	S	R	S	MS	MS	S	I	
Gadsby † ☼	2	R	2012	34	105	106	104	1	54	48	85	F	R	R	R	MR	MS	S	I	
Ibex ☼*	2	R	2022	38	106	108	105	2	54	52	85	G	S	R	S	I	I	I	I	
KWS Kellie ☼* VUA	2	R	2022	26	114	121	110	5	52	50	66	VG	R	XX	I	MS	MS	MS	I	
Oreana ☼	2	R	2019	72	104	101	105	3	54	48	64	VG	S	R	S	MR	S	I	S	
Sirish ☼	2	R	2020	48	106	106	106	2	53	46	72	VG	S	R	MR	MS	MS	MS	MS	
Sundre † ☼	6	S	2007	51	105	102	108	2	52	40	88	G	MS	R	R	I	S	I	S	
Torbellino †	2	R	2022	26	102	107	99	4	52	50	71	G	S	R	I	MS	MS	MS	S	

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. In 2023, the check cultivar was changed to AAC Synergy. All previously tested varieties were adjusted relative to AAC Synergy based on the relative difference between CDC Copeland and AAC Synergy since 2015. Varieties rated Intermediate (I) to Susceptible (S) for smuts should be treated with a systemic seed treatment to reduce the potential for infection. New registrations and insufficient data to describe: AAC Stockton (TR20270), AS Lafleur (CLO10-018,138), AS Manon (CLO11-011,032), and Richer. ☼ = PBR Protection under UPOV 78, ☼ = PBR protection under UPOV 91, ☼* = PBR application filed and subject to provisional protection, and VUA = Variety Use Agreement applied (<http://seeds-canada.ca/variety-use-agreement/>). XX - Insufficient data to describe. † Flagged for possible removal in 2025.

OATS

Variety	Most Recent Year of Testing	Overall Sta- tion Years of Testing	Over- all Yield	Yield Category (% CS Camden)		Agronomic Characteristics:						
				Low < 115 (bu/ac)	High ≥ 115 (bu/ac)	Maturity Rating (Days +/- CS Camden)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Tolerance to Smuts	
MILLING												
Yield and agronomic data only directly comparable to CS Camden												
CS Camden (bu/ac)				124	88	150						
CS Camden 🏹	2023	90	100	100	100	98	40	41	99	VG	I	
AAC Anthony 🏹*	2023	24	106	106	106	3	39	46	104	G	R	
AAC Douglas 🏹	2021	21	101	99	102	2	39	43	101	G	R	
AAC Neville 🏹*	2023	24	103	105	101	3	41	41	94	VG	R	
AAC Wesley 🏹	2023	29	99	99	99	1	40	40	93	G	R	
AC Morgan	2023	56	106	104	107	3	41	43	105	VG	I	
CDC Anson 🏹*	2023	25	102	103	101	3	40	41	87	VG	R	
CDC Arborg 🏹	2023	38	106	106	106	0	41	39	108	G	R	
CDC Endure 🏹	2020	33	106	104	106	0	41	41	105	G	R	
CDC Ruffian † 🏹🐞	2019	48	100	103	98	4	41	40	97	F	R	
Kalio 🏹	2023	17	97	91	100	1	40	39	97	G	NT	
Kyron 🏹	2023	22	107	105	107	1	40	39	98	G	NT	
ORe 3542M 🏹	2019	28	94	95	94	2	40	42	97	VG	R	
ORe Level48 🏹	2023	17	91	85	96	0	40	41	98	G	R	
FEED												
AC Mustang	2019	51	103	105	102	3	43	41	120	G	I	
CDC Nasser	2013	24	108	112	101	4	37	38	103	G	MR	
FORAGE												
CDC Baler	2006	19	90	92	88	4	39	43	110	XX	S	
CDC Haymaker 🏹	2015	22	95	98	88	4	39	46	111	F	MR	

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. Varieties rated Intermediate (I) to Susceptible (S) for the smuts should be treated with a systemic seed treatment to reduce the potential for infection. New registration and insufficient data to describe: CDC Byr (OT3115) and ORe BOOST (OT6037). ☹ = PBR Protection under UPOV 78, ☹ = PBR Protection under UPOV 91, and ☹* = PBR application filed and subject to provisional protection. NT - Not tested for disease, until a full rating is generated assume that is variety is very susceptible to the disease. XX - Insufficient data to describe.

SPRING TRITICALE

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Overall Yield	Yield Category (% Brevis)		Agronomic Characteristics:						Disease Tolerance:		
				Low < 101 (bu/ac)	High ≥ 101 (bu/ac)	Maturity Rating (Days +/- Brevis)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to:		Stripe Rust	Bunt	Fusarium Head Blight
										Lodg- ing	Sprout- ing			
Yield and agronomic data only directly comparable to Brevis														
Brevis (bu/ac)			107	75	139									
Brevis	2023	126	100	100	100	107	60	46	93	G	F	MR	R	I
AAC Delight	2018	31	97	95	98	1	58	49	96	G	P	R	R	I
AB Stampeder ☹	2023	38	94	94	95	-2	58	47	93	G	F	R	R	MS
Bunker ☹	2009	49	71	XX	XX	0	57	48	112	F	F	MR	R	I
Pronghorn	2011	35	95	94	96	0	56	47	107	G	F	MR	R	MR
Sunray	2013	33	89	92	85	-1	57	45	98	VG	F	MR	R	MS
Taza ☹	2013	33	88	90	84	1	57	47	106	G	F	MR	R	S
Tyndal ☹	2020	23	91	84	96	1	58	42	99	G	P	MR	R	MS

Remarks: For explanations on data summarization methods and other information, please see the comments in the introduction to the regional variety trials. Brevis yields about 25% more than CWRS wheat in areas of adaptation. AB Stampeder, AAC Delight, Bunker, Taza and Tyndal have heads with reduced-awns which may be beneficial when harvested as forage or silage. All varieties are susceptible to ergot. Current testing does not suitably differentiate genetically controlled resistance to ergot infection (varietal differences) from other factors such as weather, crop development stage, inoculum load and management. ☹ = PBR Protection under UPOV 78, ☹ = PBR protection under UPOV 91. XX - Insufficient data to describe.

CANADA WESTERN RED WINTER WHEAT

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Overall Yield (bu/ac)	Yield Category (% Radiant)		Agronomic Characteristics:							Disease Tolerance:				
				Low <80 (bu/ ac)	High >80 (bu/ ac)	Winter Sur- vival	Maturity (d)	Pro- tein (%)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resist- ance to Lodging	Stripe Rust	Leaf Rust	Stem Rust	Bunt	FHB
				Yield and agronomic data only directly comparable to Radiant													
Radiant (bu/ac)			76	61	95												
Radiant	2023	283	100	100	100	VG	219	12	63	35	89	VG	S	S	S	S	S
AAC Coldfront ☹	2023	31	111	111	110	VG	0	0.4	64	34	83	VG	R	R	R	S	I
AAC Gateway ☹	2023	111	99	96	101	F	-2	1.0	63	33	76	VG	MR	I	MR	S	I
AAC Goldrush ☹	2021	55	101	99	103	VG	-2	0.5	63	35	85	G	I	R	MR	S	I
AAC Network ☹	2023	54	104	103	106	G	1	0.7	63	32	77	G	R	MR	R	MR	I
AAC Overdrive ☹	2023	21	108	106	111	VG	-3	0.6	62	31	80	VG	R	MR	R	R	MR
AAC Vortex ☹	2023	46	105	107	101	VG	-1	0.6	63	35	84	VG	R	R	R	S	MR
AAC Wildfire ☹	2023	79	112	115	109	VG	2	0.2	63	38	85	G	MR	I	S	MR	MR
Emerson + ☹	2016	101	97	98	97	G	0	0.7	64	30	86	VG	MR	I	R	S	R

CANADA WESTERN SPECIAL PURPOSE

Yield and agronomic data only directly comparable to Radiant																	
AAC Icefield ☹	2021	72	103	99	106	F	0	-0.5	63	33	79	G	MR	MR	R	MS	S
Pintail	2016	79	108	106	110	VG	0	-1.4	61	29	88	F	MR	MS	MS	S	S

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. Winter wheat can be grown successfully in all areas of Alberta if seeded into standing stubble within the optimal seeding date period (generally before Sept. 15) and if there is adequate snowfall. The long term average maturity for Radiant is 219 days after Jan. 1 (Aug. 8) and is considered to be late maturing. Fusarium head blight infection may be reduced if varieties with Intermediate (I) resistance or better are used and when recommended seeding dates are followed. Radiant has tolerance to the wheat curl mite, the vector for Wheat Streak Mosaic Virus. To preserve the effectiveness of the wheat curl mite tolerance gene, agronomic practices that eliminate the "green bridge" of plant material that serves as a reservoir for mites should be followed whenever possible. Fields in southern Alberta should be inspected in the fall for infestation by Russian wheat aphid, as it may reduce winter survival. AAC Wildfire expresses tolerance to some biotypes of Russian wheat aphid. Radiant and AAC Wildfire express bronze chaff at maturity. AAC Icefield, is now classified as a Canada Western Special Purpose winter wheat. AAC Icefield expresses high milling yield of very white flour and good gluten strength at lower protein concentrations that may be of interest in some niche markets. Pintail has an awnless head which may improve palatability when harvested for forage or silage. *Limited AAC Overdrive (W614) Alberta RVT data is available with the balance of site years being generated from Alberta registration data. ☹ = PBR Protection under UPOV 78, ☹ = PBR protection under UPOV 91, and ☹* = PBR application filed and subject to provisional protection. + Flagged for possible removal in 2025.

FALL RYE

Variety	Hybrid or OP Variety	Most Recent Year of Testing	Overall Station Years of Testing	Overall Yield	Yield Category (% Hazlet)			Agronomic Characteristics:				
					Low < 95 (bu/ac)	High ≥ 95 (bu/ac)	Winter Survival	Test Weight (lb/bu)	TKW (g)	Falling Number (sec)	Height (cm)	Resistance to Lodging
Yield and agronomic data only directly comparable to Hazlet												
Hazlet (bu/ac)				93	66	120						
Hazlet	OP	2022-23	78	100	100	100	EX	59	38	168	106	VG
Brasetto	Hybrid	2015-16	20	123	XX	122	EX	59	35	267	96	VG
KWS Bono	Hybrid	2022-23	48	137	136	137	EX	59	34	250	94	VG
KWS Daniello † ☹*	Hybrid	2018-19	18	125	122	126	VG	59	35	271	94	VG
KWS Receptor ☹	Hybrid	2022-23	16	130	120	150	EX	59	33	233	93	VG
KWS Sandor ☹	Hybrid	2022-23	16	127	119	142	EX	59	33	248	95	VG
KWS Serafino ☹ *	Hybrid	2022-23	31	132	130	135	EX	59	34	275	96	VG
KWS Trebiano ☹ *	Hybrid	2022-23	31	130	128	132	EX	59	36	250	99	VG
Prima	OP	2022-23	69	87	83	91	EX	58	33	208	118	G

Remarks: For explanations on data summarization methods and other information, please see the comments in the introduction to the regional variety trials. *Limited KWS Receptor and KWS Sandor data for the high yield category (n=5), please use this data with caution as yields can change substantially across multiple growing conditions. All other data published in the table is based upon at least six site-years of data collected over two growing seasons. Hazlet has lower viscosity which improves feed performance in monogastric livestock. Fall rye is generally more cold tolerant than winter wheat and winter triticale. The long term average heading and maturity dates for Hazlet are June 1 and Aug. 6, respectively. All fall rye varieties are similar for heading and maturity and are considered early. Sprouting is a major factor in marketing rye for milling and is generally measured using the Hagberg falling number test and is measured in seconds. Typically, a falling number of 180 seconds or greater is preferred by the rye milling market. Falling number is heavily influenced by moisture around harvest time so producers should ensure that rye is harvested in a timely manner, similar to wheat crops. There is considerable variation in fall rye varieties for falling number that should be considered if milling markets are targeted. All fall rye is susceptible to ergot, however KWS Daniello, KWS Serafino, KWS Trebiano, KWS Receptor and KWS Sandor have reduced susceptibility for natural ergot infection. AFSC crop insurance deadlines for seeding fall rye is September 20, north of the Bow River and September 30, south of the Bow River. ☹* = PBR application filed and subject to provisional protection. XX - Insufficient data to describe. + Flagged for possible removal in 2025.

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Yield Category (% CDC Glas)		Agronomic Characteristics:						Disease Tolerance:		Quality:		
			Overall Yield	Low < 37 (bu/ac)	High ≥37 (bu/ac)	Maturity Rating (Days +/- CDC Glas)	Seed Colour	Seed Size	Height (cm)	Resistance to Lodging	Fusarium Wilt	Powdery Mildew	Oil Content (%)	ALA Content (%)	Iodine Value
Yield and agronomic data only directly comparable to CDC Glas															
CDC Glas (bu/ac)			41	25	53										
CDC Glas ☼	2023	68	100	100	100	108	brown	M	62	G	MR	MR	46	57	192
AAC Bravo † ☼	2013	22	98	96	100	0	brown	L	61	G	MR	MR	45	60	194
AAC Marvelous ☼	2019	19	101	103	101	1	brown	M	60	G	MR	MR	47	56	192
CDC Bethune ☼	2022	47	96	95	96	-1	brown	M	61	G	MR	MR	46	55	189
CDC Dorado ☼	2022	21	89	93	88	-2	yellow	L	55	G	MR	MR	45	64	204
CDC Esme ☼	2023	25	105	109	101	4	brown	L	61	G	MR	NT	46	59	195
CDC Kernen ☼*	2023	34	102	107	99	0	brown	M	64	G	MR	MR	45	57	191
CDC Neela † ☼	2016	17	104	108	XX	0	brown	M	54	G	MR	MR	46	59	194
CDC Plava † ☼	2016	26	96	101	87	-3	brown	M	51	G	MR	NT	47	57	196
CDC Rowland ☼	2023	24	104	104	104	4	brown	L	61	G	MR	MR	45	59	195
CDC Sorrel ☼	2008	14	104	110	99	0	brown	L	61	F	MR	MR	45	58	193
Prairie Sapphire † ☼	2013	22	92	87	95	1	brown	M	62	G	MR	MR	48	57	193
Topaz ☼	2017	23	97	96	98	-1	brown	M	53	G	MR	MR	47	55	189
VT50 † ☼	2014	17	98	101	XX	3	yellow	S	49	VG	MR	NT	47	68	209
WestLin 60 ☼	2016	17	95	97	XX	-2	brown	M	48	G	MR	NT	46	60	198
WestLin 72 † ☼	2017	23	96	100	91	2	brown	S	51	VG	MR	MR	47	57	193

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments in the introduction to the regional variety trials. All varieties are immune to flax rust. NT - Not tested for disease, until a full rating is generated assume that the variety is very susceptible to the disease. *Limited CDC Esme Alberta RVT data (n=4) is available with the balance of site years being generated from registration data generated at Alberta and relevant Saskatchewan sites. Due to flax being a small acre crop and limited flax testing in Alberta, data included in this table is heavily weighted on Saskatchewan registration data. XX - Insufficient data to describe. ☼ = PBR Protection under UPOV 78, ☼ = PBR protection under UPOV 91, and ☼* = PBR application filed and subject to provisional protection. † Flagged for possible removal in 2025.

BARLEY SILAGE

Nutritional Data

Variety	2 or 6 Row	Awn Type	Most Recent Year of Testing	Overall Station Years of Testing	Overall Yield	Nutritional Data					Water Soluble CHOs (%DM)	True Invitro Digestibility - 30 hrs (%DM)	Ca (%DM)	P (%DM)	K (%DM)	Mg (%DM)
						CP (%DM)	ADF (%DM)	NDF (%DM)	TDN (%DM)	Starch (%DM)						
Yield and agronomic data only directly comparable to CDC Austenson																
CDC Austenson (t/ac)					10.5											
CDC Austenson 🌾	2	R	2023	64	100	10.4	33.7	47.2	62.4	18.6	9.0	70.1	0.48	0.21	2.02	0.21
AB Advantage 🌾	6	S	2022	15	101	10.0	NT	NT	61.1	NT	NT	NT	0.53	0.23	2.11	0.22
AB Cattlelac 🌾	6	SS	2022	23	99	10.8	NT	NT	62.7	NT	NT	NT	0.59	0.21	2.19	0.24
AB Hague 🌾	2	R	2023	15	104	10.5	34.1	49.3	62.5	17.4	8.8	69.6	0.47	0.21	2.00	0.20
AB Prime 🌾	2	R	2023	9	106	9.7	34.4	49.3	60.6	17.5	8.1	69.1	0.49	0.21	2.13	0.20
AB Standswell 🌾*	6	S	2023	10	96	10.5	33.3	46.7	62.8	20.6	7.2	70.5	0.46	0.23	2.21	0.21
AB Tofield 🌾	6	S	2022	12	101	10.4	NT	NT	62.4	NT	NT	NT	0.58	0.22	2.18	0.24
AB Wrangler 🌾	2	R	2022	15	103	10.9	NT	NT	65.0	NT	NT	NT	0.46	0.23	1.95	0.20
Altorado 🌾	2	R	2022	37	103	10.1	NT	NT	64.0	NT	NT	NT	0.47	0.22	1.93	0.22
Amisk 🌾	6	SS	2022	44	93	10.1	NT	NT	61.9	NT	NT	NT	0.60	0.23	2.06	0.23
Canmore 🌾	2	R	2022	37	99	9.6	NT	NT	62.8	NT	NT	NT	0.58	0.21	2.04	0.22
CDC Bow 🌾	2	R	2022	12	102	10.3	NT	NT	62.7	NT	NT	NT	0.58	0.20	2.09	0.21
CDC Churchill 🌾	2	R	2023	9	109	10.0	33.7	46.9	62.8	19.3	9.7	70.3	0.52	0.21	1.97	0.21
CDC Coalition 🌾	2	R	2019	38	95	10.6	NT	NT	63.0	NT	NT	NT	0.48	0.23	2.10	0.21
CDC Cowboy 🌾	2	R	2022	51	99	9.0	NT	NT	60.5	NT	NT	NT	0.48	0.22	1.82	0.24
CDC Fraser 🌾	2	R	2023	7	98	10.2	34.9	50.1	60.8	17.2	8.1	68.3	0.50	0.23	1.97	0.21
CDC Maverick 🌾	2	S	2022	46	101	9.2	NT	NT	61.1	NT	NT	NT	0.53	0.21	1.78	0.24
CDC Renegade 🌾	2	S	2023	10	106	10.7	33.8	49.4	61.8	14.9	11.2	71.2	0.50	0.23	2.01	0.21
Champion 🌾	2	R	2018	22	101	10.3	NT	NT	63.0	NT	NT	NT	0.50	0.21	2.10	0.21
Claymore 🌾	2	R	2022	37	100	10.0	NT	NT	63.1	NT	NT	NT	0.55	0.22	1.96	0.21
CONLON 🌾	2	S	2018	26	86	10.2	NT	NT	63.6	NT	NT	NT	0.62	0.24	2.00	0.22
Esma 🌾 * VUA	2	R	2023	9	106	10.4	33.3	46.0	63.6	20.1	8.6	70.8	0.47	0.23	1.91	0.22
Gadsby † 🌾	2	R	2017	36	100	10.0	NT	NT	62.4	NT	NT	NT	0.61	0.21	1.94	0.21
KWS Kellie 🌾 * VUA	2	R	2023	7	105	10.3	33.4	46.6	62.2	19.0	9.5	71.9	0.48	0.24	2.03	0.21
Stockford	2	H	2023	10	97	10.4	34.3	50.2	62.3	14.9	9.0	71.6	0.59	0.23	2.18	0.22
Sundre 🌾	6	S	2022	46	95	10.1	NT	NT	62.9	NT	NT	NT	0.53	0.22	1.84	0.21

Remarks: For explanations on data summarization methods and other information, please see the comments in the introduction to the performance variety trials. Yield is reported in wet tons/acre adjusted to 65 per cent moisture. **Barley silage trials are harvested when 75 per cent of the barley varieties are at soft dough, BBCH 85.** Due to restructuring the silage RVTs, yield data is only presented if there are six site years of data. Beginning in 2023, irrigated and dryland experimental sites were run. Due to limited amounts of irrigated data, only overall provincial yield will be presented until sufficient data is available to populate both dryland and irrigated yield columns. Awn Types: H = Hooded, S = smooth, SS = Semi-smooth, R = Rough. **Nutritional data is presented on a dry matter basis (per cent DM), and was tested on forage intended for silage, not ensiled samples.** CP = Crude Protein; ADF = Acid Detergent Fibre; NDF = Neutral Detergent Fibre; TDN = total digestible nutrient; CHOs = Carbohydrates; Ca = calcium; P = phosphorous; K = Potassium; Mg = Magnesium. Prior to 2023 a limited number of nutritional parameters were tested; varieties in the tests prior to 2023 don't have a full complement of nutritional data, indicated by NT = not tested. Please see disease tolerance ratings in the barley grain tables. Insufficient data to describe: AAC Lariat (n=5), AB Maximizer (n=5), Bighorn (n=5), Cantu (n=5), CDC Durango (n=5); n = number of site years with useable data. ☼ = PBR Protection under UPOV 78, ☼ = PBR protection under UPOV 91, ☼* = PBR application filed and subject to provisional protection, **VUA** = Variety Use Agreement Applied (seeds-canada.ca/variety-use-agreement/). † Flagged for possible removal in 2025.

OAT SILAGE

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Overall Yield	Relative Maturity (days)	Nutritional Data											
					CP (%DM)	ADF (%DM)	NDF (%DM)	TDN (%DM)	Starch (%DM)	Water Soluble CHOs (%DM)	Invitro True Digestibility - 30 hrs (%DM)	Ca (%DM)	P (%DM)	K (%DM)	Mg (%DM)	
Yield and nutritional data only directly comparable to CDC Baler																
CDC Baler (t/ac)			10.5													
CDC Baler	2023	46	100	102	11.5	37.4	63.4	59.3	5.0	8.8	65.1	0.45	0.21	1.53	0.17	
AAC Douglas ☺	2023	6	106	-2	9.7	35.9	57.8	60.5	16.4	7.2	67.3	0.40	0.21	1.44	0.19	
AC Juniper	2022	33	96	XX	12.6	NT	NT	59.5	NT	NT	NT	0.42	0.26	2.38	0.17	
AC Morgan	2022	42	100	-1	11.8	NT	NT	59.2	NT	NT	NT	0.45	0.24	2.47	0.15	
CDC Arborg ☺	2023	9	101	-4	11.7	36.6	58.4	60.0	14.6	4.7	65.1	0.46	0.25	2.31	0.19	
CDC Endure ☺	2023	8	103	-4	12.1	36.4	58.3	60.0	13.9	4.8	65.9	0.44	0.26	2.28	0.19	
CDC Haymaker ☺	2022	38	98	0	11.6	NT	NT	57.8	NT	NT	NT	0.46	0.25	2.84	0.17	
CDC Nasser	2022	12	102	0	12.2	NT	NT	59.4	NT	NT	NT	0.44	0.27	2.84	0.17	
CDC SO1 ☺	2022	41	95	XX	11.9	NT	NT	59.2	NT	NT	NT	0.43	0.23	2.54	0.16	
CS Camden ☺	2023	9	103	-4	12.1	35.4	56.6	60.3	15.9	5.5	66.7	0.47	0.25	2.11	0.19	
Murphy ☺	2022	37	104	XX	11.4	NT	NT	56.5	NT	NT	NT	0.46	0.22	2.93	0.17	
ORe3542M ☺	2022	15	99	-2	12.2	NT	NT	59.7	NT	NT	NT	0.36	0.28	2.56	0.14	
Yield and nutritional data only directly comparable to AC Mustang																
AC Mustang (t/ac)			9.9													
AC Mustang	2017	27	100	101	8.7	NT	NT	NT	NT	NT	NT	0.27	0.19	1.79	0.14	
CDC Seabiscuit	2020	9	108	0	8.4	NT	NT	NT	NT	NT	NT	0.25	0.23	1.79	0.14	
Waldern †	2018	22	109	XX	8.3	NT	NT	NT	NT	NT	NT	0.26	0.21	1.89	0.14	

Remarks: For explanations on data summarization methods and other information, please see the comments in the introduction to the performance variety trials. Yield is reported in wet tons per acre adjusted to 65 per cent moisture. *Oat silage trials are harvested when 75 per cent of the varieties are at milk stage, BBCH 75. However, the 2023 trials contained varieties with a wide range of development, with some locations showing a week or more difference in growth stages. This results in some of the later maturing varieties having lower yield and altered quality.* Due to re-structuring the silage RVTs, yield data is only presented if there are six site years of data. Beginning in 2023, irrigated and dryland experimental sites were run. Due to limited amounts of irrigated data, only overall provincial yield will be presented until sufficient data is available to populate both dryland and irrigated yield columns. *Nutritional data is presented on a dry matter basis (per cent DM), and was tested on forage intended for silage, not ensiled samples.* CP = Crude Protein; ADF = Acid Detergent Fibre, NDF = Neutral Detergent Fibre, TDN = total digestible nutrient; CHOs = Carbohydrates; Ca = calcium; P = phosphorous; K = Potassium; Mg = Magnesium. Prior to 2023 a limited number of nutritional parameters were tested; varieties in the tests prior to 2023 don't have a full complement of nutritional data, indicated by NT = not tested. Please see disease tolerance ratings in the oat grain tables. Insufficient data to describe: AAC Wesley and ORe Boost. XX - Insufficient data to publish. ☺ = PBR Protection under UPOV 78, ☺ = PBR protection under UPOV 91. * Flagged for possible removal in 2025.

WHEAT AND TRITICALE SILAGE

						Nutritional Data											
Variety	Species	Awns (Yes /No/ Reduced)	Most Recent Year of Testing	Overall Station Years of Testing	Over- all yield	CP	ADF	NDF	TDN	Starch	Water Soluble CHOs	True Invitro Digest- ibility - 30 hrs	Ca	P	K	Mg	
						(%DM)	(%DM)	(%DM)	(%DM)	(%DM)	(%DM)	(%DM)	(%DM)	(%DM)	(%DM)	(%DM)	(%DM)
WHEAT						Yield and nutritional data only directly comparable to Sadash VB											
Sadash VB (t/ac)						10.9											
Sadash VB 🌾	SWS Wheat	Yes	2023	25	100	10.4	34.7	51.5	62.3	15.1	9.9	69.0	0.42	0.23	1.90	0.19	
AAC Awesome VB 🌾	SP Wheat	Yes	2022	12	107	9.4	NT	NT	62.1	NT	NT	NT	0.35	0.19	2.01	0.18	
AAC Chiffon VB 🌾	SWS Wheat	Yes	2017	15	104	10.1	NT	NT	59.4	NT	NT	NT	0.30	0.24	1.95	0.18	
AAC Paramount VB 🌾	SWS Wheat	Yes	2023	11	100	9.7	34.9	53.0	60.9	14.6	9.7	68.8	0.39	0.21	1.83	0.18	
AC Andrew	SWS Wheat	Yes	2022	12	99	10.0	NT	NT	60.9	NT	NT	NT	0.37	0.21	2.13	0.19	
Alderon	SP Wheat	No	2023	11	100	11.2	33.8	53.4	62.7	10.9	12.0	70.3	0.39	0.23	2.08	0.19	
TRITICALE						Yield and nutritional data only directly comparable to Sadash VB											
AAC Delight	Triticale	Reduced	2022	12	110	9.2	NT	NT	61.7	NT	NT	NT	0.36	0.21	1.53	0.15	
AB Stampeder 🌾	Triticale	Reduced	2023	17	103	10.3	34.9	53.4	61.9	12.2	13.2	68.6	0.43	0.20	1.61	0.20	
Bunker 🌾	Triticale	Reduced	2022	12	104	7.2	NT	NT	58.3	NT	NT	NT	0.43	0.19	1.66	0.18	
Pronghorn	Triticale	Yes	2014	21	102	9.7	NT	NT	59.4	NT	NT	NT	0.36	0.26	1.95	0.17	
Sunray	Triticale	Yes	2022	20	105	8.3	NT	NT	59.3	NT	NT	NT	0.45	0.16	2.38	0.14	
Taza 🌾	Triticale	Reduced	2022	20	102	9.4	NT	NT	59.4	NT	NT	NT	0.35	0.26	1.79	0.16	
Tyndal 🌾	Triticale	Reduced	2018	48	100	9.7	NT	NT	59.4	NT	NT	NT	0.35	0.27	1.72	0.17	

Remarks: For explanations on data summarization methods and other information, please see the comments in the introduction to the Performance Variety Trials. Yield is reported in wet tons/acre adjusted to 65 per cent moisture. *Wheat-triticale silage trials are harvested when 75 per cent of the wheat varieties are at early to soft dough, BBCH 83-85, and the triticale varieties are at late milk, BBCH 77.* Due to re-structuring the silage RVTs, yield data is only presented if there are six site years of data. Beginning in 2023, irrigated and dryland experimental sites were run. Due to limited amounts of irrigated data, only overall provincial yield will be presented until sufficient data is available to populate both dryland and irrigated yield columns. Please see disease tolerance ratings in the triticale and wheat grain tables. *Nutritional data is presented on a dry matter basis (per cent DM), and was tested on forage intended for silage, not ensiled samples.* CP = Crude Protein; ADF = Acid Detergent Fibre, NDF = Neutral Detergent Fibre, TDN = total digestible nutrient; CHOs = Carbohydrates; Ca = calcium; P = phosphorous; K = Potassium; Mg = Magnesium; VB = designates a varietal blend to preserve the Sm1 orange wheat blossom midge resistance gene. Prior to 2023 a limited number of nutritional parameters were tested; varieties in the tests prior to 2023 don't have a full complement of nutritional data, indicated by NT = not tested. Please see disease tolerance ratings in the wheat and triticale grain tables. Insufficient data to describe: Alotta. ☺ = PBR Protection under UPOV 78, ☺ = PBR protection under UPOV 91.

DRY BEAN – WIDE ROW

Variety	Type	Site Years 1997 - 2023	Overall Yield (% of check)	Days to Bloom ¹	Days to Maturity	TSW ² (g)	Plant Height (cm)	Lodging ³ (1 - 5)	Growth Habit ⁴
Varieties tested in 2023 trials (Yield and agronomic data only directly comparable to the check within each type)									
AC Black Diamond (kg/ha)		3213							
AC Black Diamond	Black Shiny	59	100	57	101	264	37	2.4	II
AAC Black Diamond 2	Black Shiny	26	100	60	0	256	35	2.6	II
CDC Blackstrap ☹	Black Matte	15	89	58	-2	216	25	2.7	II
Island (kg/ha)		3806							
Island	Pinto	40	100	56	100	375	40	3.1	II
AAC Expedition	Pinto	13	88	56	-4	394	32	2.9	II
AAC Explorer	Pinto	17	79	55	-4	372	34	2.8	II
CDC WM-3 ☹	Pinto	11	103	55	-3	363	31	2.8	II
Resolute (kg/ha)		3191							
Resolute	Great Northern	27	100	51	99	352	41	2.8	II
AAC Whitehorse	Great Northern	29	100	51	0	375	41	2.8	II
AAC Whitestar	Great Northern	23	106	54	0	365	43	3.1	II
AAC Y073 (kg/ha)		3137							
AAC Y073	Yellow	15	100	54	96	416	28	1.9	I
AAC Y012	Yellow	21	106	54	1	398	33	1.9	I
AAC Y015	Yellow	17	100	54	-1	415	33	2.5	I
CDC Sunburst	Yellow	12	120	51	-3	399	37	2.5	I
AAC Cranford (kg/ha)		2977							
AAC Cranford	Cranberry	19	100	55	97	595	33	2	I
AC Redbond (kg/ha)		3162							
AC Redbond	Small Red	43	100	52	98	318	40	2.5	II
AAC Shock (kg/ha)		2262							
AAC Shock (A)	Navy	4	100	55	93	195	31	3	II
Blast (OAC-20-3) (A)	Navy	4	115	64	3	164	35	3	II
Previously tested varieties (Yield and agronomic data only directly comparable to the check within each type)									
AC Black Diamond (kg/ha)		3017							
AC Black Diamond	Black Shiny	40	100	57	103	265	38	2.2	II
CDC Blackcomb	Black Matte	11	79	62	0	178	35	1.8	II
Island (kg/ha)		3758							
Island	Pinto	20	100	56	100	369	41	3.0	II
AAC Burdett	Pinto	9	101	55	-6	354	44	2.2	II
CDC WM-2	Pinto	15	78	56	2	369	39	2.5	II
Medicine Hat ☹	Pinto	12	93	61	4	354	42	2.4	II
Winchester	Pinto	13	85	56	4	337	40	2.5	II
AAC Tundra (kg/ha)		3570							
AAC Tundra	Great Northern	13	100	52	97	349	42	2.9	II
AC Polaris	Great Northern	6	107	62	7	300	37	4.1	II
CDC Sol (kg/ha)		2350							
CDC Sol	Yellow	14	100	55	104	409	33	1.5	I
Myasi	Yellow	9	89	63	6	350	34	2.1	I
Viva (kg/ha)		3137							
Viva	Pink	29	100	54	102	258	34	3.8	III

Remarks: A = First year entry (2023), with limited data and only one year of testing these varieties may exhibit highly variable results. ☹ = PBR Protection under UPOV 78, ☹ = PBR protection under UPOV 91. 1 Days to bloom from seeding; 2Thousand Seed Weight; 3 Lodging: 1 = erect, 5 = flat. 4Growth Habit: I = determinate bush, II = indeterminate bush, and III = indeterminate prostrate.

FABA BEANS

Variety	Type	Flower Color ¹	Low Vicine/Convicine	Most recent year of testing	Overall Yield	Overall Station Years of Testing	Soil Zone:										Agronomic Characteristics:		
							Brown				Black				Grey Wooded				
							Irrigated Yield (%)	Site years	Brown Yield (%)	Site years	Short season Yield (%)	Site years	Mid season Yield (%)	Site years	Grey Wooded Yield (%)	Site Years	Relative Maturity ²	Plant Height (cm)	Thousand Seed Weight (g)
							Yield and agronomic data only directly comparable to Fabelle												
Fabelle (bu/ac)						78	50		66		81		83		75				
Fabelle [Ⓢ]	Tannin	C	Yes	2023	100	56	100	3	100	5	100	21	100	19	100	8	M	94	534
219-16 [Ⓢ]	Zero Tannin	W	No	2023	85	56	XX	3	XX	5	88	21	80	19	83	8	E	83	358
*FB9-4 ^{NR}	Tannin	C	No	2021	86	39	XX	2	XX	5	84	14	86	13	XX	5	M	83	632
Snowbird	Zero Tannin	W	No	2022	90	47	XX	2	XX	5	91	17	91	16	85	7	E	89	478
Victus [Ⓢ] *	Tannin	C	Yes	2023	98	17	XX	1	XX	0	98	7	97	6	XX	3	M	95	443
Previously tested varieties: 2013 - 2015 (Yield and agronomic data only directly comparable to Snowbird)																			
Snowbird (bu/ac)						84													
Snowbird	Zero Tannin	W	No	2015	100	82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	E	89	478
CDC Snowdrop	Zero Tannin	W	No	2015	88	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	E	87	351

Remarks: All coloured flower types have seed coats that contain tannins and may be suitable for export food markets if seed size and quality match customer demand. Varieties tested for a minimum three years are considered fully tested. XX = Insufficient data. NA = data is not available. [Ⓢ] = PBR protection under UPOV 91 and [Ⓢ]* = PBR application filed and subject to provisional protection. * Contract Variety. NR = Variety registration is not required with CFIA for this large seeded faba bean class. ¹Flower Colour: W = white flower, zero tannin; C = coloured flower, tannin. ²Maturity: E = early, M = medium, ML = medium late, L = late;

LENTILS

Market Class	Variety	Most recent year of test- ing	Overall Yield	Over- all Station Years of Test- ing	Soil Zone:				Agronomic Characteristics:					Disease Tolerance: ⁶	
					Brown		Black								
					Yield (%)	Site Years	Yield (%)	Site Years	TSW ² (g)	Plant Height (cm)	Maturity Rating ³	Coty- ledon Colour ⁴	Seed Coat Colour ⁵	Asco- chyta	Anthraco- nose Race 1
Yield and agronomic data only directly comparable to CDC Maximum CL															
	CDC Maxim (bu/ac)		38		36		43								
Small Red	CDC Maxim (CL) ¹	2023	100	32	100	23	100	9	40	34	E/M	R	GR	MR	MR
Large Green	CDC Grimm (CL) [Ⓢ] *	2022	100	11	95	9	XX	2	75	40	M/L	Y	G	MR	MR
Large Green	CDC Lima (CL) [Ⓢ]	2022	91	26	95	18	82	8	67	34	M/L	Y	G	MR	S
Small Green	CDC Jimini (CL) [Ⓢ] *	2022	106	15	107	13	XX	2	38	36	E/M	Y	G	NA	NA
Small Red	CDC Impulse (CL) [Ⓢ]	2022	113	16	118	8	108	8	47	36	E/M	R	GR	MR	MR
Small Red	CDC Nimble (CL) [Ⓢ]	2022	119	13	117	8	XX	5	38	35	E/M	R	GR	MR	MR
Small Red	CDC Proclaim (CL) [Ⓢ]	2023	112	19	116	10	108	9	40	35	E/M	R	GR	MR	MR
Small Red	CDC Simmie (CL) [Ⓢ] *	2023	108	19	109	13	107	6	39	34	E/M	R	GR	MR	MR

Remarks: Weight, diameter and thickness of lentil seeds were dependent upon environmental conditions and agronomic factors. CL= Clearfield variety. [Ⓢ] = PBR protection under UPOV 91, and [Ⓢ]* = PBR application filed and subject to provisional protection. XX = Insufficient data, minimum requirement for a variety is six site years and two years of testing. Due to limited regional variety trial data, registration yield data from Alberta sites from 2015-2020, has been included to increase the number of site-years. New registrations with insufficient data to describe: CDC Monarch (CDC_IBC-1306, large red). ¹Yields are reported relative to CDC Maxim (CL). CDC Maxim belongs to Small Red Market Class. ²Thousand Seed Weight. ³Maturity: E = Early, M = Medium, L = Late, VL = Very Late. ⁴Cotyledon Color: R = Red, Y = Yellow; ⁵Seed Coat Color/Patterns: G=Green, GR=Grey. ⁶Disease tolerance to Ascochyta and Anthracnose - Race 1 (note: there is no genetic resistance to Race 0); S = Susceptible, MR = Moderately Resistant.

FIELD PEA – GREEN

Variety	Most recent year of testing	Overall Yield	Overall Station Years of Testing	Soil Zone:									
				Brown-irrigated		Brown		Black-Short		Black-mid		Grey Wooded	
				Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years
Yield and agronomic data only directly comparable to CDC Limerick													
CDC Limerick (bu/ac)		69		75		51		80		62		73	
CDC Limerick	2023	100	56	100	5	100	7	100	13	100	18	100	13
CDC Forest ☺	2023	108	56	XX	5	110	7	110	13	106	18	111	13
CDC Rider ☺ *	2023	108	24	XX	3	XX	2	104	6	106	7	112	6
CDC Spruce+ ☺	2020	106	32	XX	2	XX	5	109	7	109	11	103	7
Garde	2022	97	27	XX	2	XX	4	99	6	98	9	96	6

Remarks: ☺ = PBR protection under UPOV 91, and ☺ * = PBR application filed and subject to provisional protection. XX = Insufficient data, minimum requirement for a variety is six site years and two years of testing. New registrations with insufficient data to describe: CDC Huskie (CDC 5360-4). † Flagged for removal in 2025.

FIELD PEA – GREEN – CONTINUED

Variety	Agronomic Characteristics:					Disease Tolerance:		Tolerance to:		
	Protein (%)	Maturity Rating ¹	Vine Length (cm)	TSW ² (g)	Standability ³ (1 - 9)	Mycosphaerella Blight ⁴	Fusarium Root Rot ⁵	Bleaching ⁶	Seed Coat Breakage ⁶	Seed Coat Dimpling ⁷
Agronomic data only directly comparable to CDC Limerick										
CDC Limerick (bu/ac)										
CDC Limerick	25.9	M	85	210	3.0	4.5	I	G	VG	G
CDC Forest ☺	-2.9	M	85	230	2.2	4.5	I	F	G	G
CDC Rider ☺ *	-3.2	M	85	230	3.0	4.5	MR	G	G	G
CDC Spruce† ☺	-2.6	M	85	240	2.3	4.5	I	G	F	F
Garde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Remarks: All the green pea varieties listed in the table are Powdery Mildew resistant. ☺ = PBR protection under UPOV 91, and ☺ * = PBR application filed and subject to provisional protection. ¹Maturity: E = Early, M = Medium, L = Late. ²Thousand Seed Weight, g. ³Standability: 1 = Erect, 9 = Flat. ⁴Mycosphaerella blight score (1-9) 1 = no disease, 9 = completely blighted. ⁵Fusarium Root Rot: I = Intermediate, MR = Moderately Resistant. ⁶Tolerance to Bleaching and Seed Coat Breakage: P = Poor, F = Fair, G = Good, VG = Very Good. ⁷Seed Coat Dimpling: VG = Very Good (0 - 5%), G = Good (6 - 20%), F = Fair (21 - 50%). † Flagged for removal in 2025. NA = data is not available.

FIELD PEA – YELLOW

				Soil Zone:									
Variety	Most Recent Year of Testing	Overall Yield	Overall Station Years of Testing	Brown - irrigated		Brown		Black-short		Black-mid		Grey Wooded	
				Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years
				Yield and agronomic data only directly comparable to CDC Amarillo									
CDC Amarillo (bu/ac)		76		93		68		83		68		83	
CDC Amarillo	2023	100	58	100	3	100	7	100	14	100	23	100	11
AAC Aberdeen 🌱	2022	103	27	XX	1	XX	1	100	9	102	11	XX	5
AAC Ardill 🌱	2023	104	45	XX	2	XX	5	107	12	105	18	102	8
AAC Barrhead 🌱	2023	99	58	XX	3	91	7	100	14	98	23	104	11
AAC Beyond 🌱	2023	101	27	XX	1	XX	1	100	8	103	12	XX	5
AAC Carver 🌱	2023	104	50	XX	3	99	7	102	11	104	20	110	9
AAC Chrome 🌱	2019	109	21	XX	1	XX	2	XX	5	108	8	XX	5
AAC Delhi 🌱	2021	104	29	XX	1	XX	4	106	8	101	11	XX	5
AAC Julius 🌱 *	2023	101	27	XX	1	XX	1	101	8	103	12	XX	5
AAC Lacombe 🌱	2021	102	41	XX	2	95	6	102	10	102	15	106	8
AAC Planet 🌱 *	2023	104	16	XX	1	XX	1	XX	4	108	7	XX	3
AAC Profit 🌱	2022	106	29	XX	2	XX	5	111	7	106	11	XX	4
Boost 🌱 *	2023	103	16	XX	1	XX	1	XX	4	105	7	XX	3
Caphorn 🌱*	2023	101	16	XX	1	XX	1	XX	4	105	7	XX	3
CDC Canary 🌱	2023	103	58	XX	3	95	7	104	14	105	23	103	11
CDC Citrine 🌱 *	2023	107	16	XX	1	XX	1	XX	4	107	7	XX	3
CDC Hickie 🌱	2023	104	16	XX	1	XX	1	XX	4	107	7	XX	3
CDC Inca † 🌱	2021	102	42	XX	2	91	6	109	10	102	16	105	8
CDC Lewochko 🌱	2023	103	58	XX	3	98	7	104	14	104	23	103	11
CDC Spectrum 🌱	2023	103	58	XX	3	94	7	105	14	105	23	105	11
CDC Tollefson 🌱	2023	106	16	XX	1	XX	1	XX	4	109	7	XX	3
LN4228 🌱	2023	96	45	XX	2	XX	5	100	12	94	18	95	8
ProStar 🌱 *	2023	100	16	XX	1	XX	1	XX	4	104	7	XX	3

Remarks: ☞ = PBR Protection under UPOV 78, ☞ = PBR protection under UPOV 91, and ☞* = PBR application filed and subject to provisional protection. XX = Insufficient data, minimum requirement for a variety is six site years and two years of testing. New registrations with insufficient data to describe: AAC McMurphy (P1120-3513). NA = data is not available. † Flagged for removal in 2025.

FIELD PEA – YELLOW – CONTINUED

Variety	Agronomic Characteristics:					Disease Tolerance:		Tolerance to:		
	Protein (%)	Maturity Rating ¹	Vine Length (cm)	TSW ² (g)	Standability ³ (1-9)	Mycosphaerella Blight ⁴	Fusarium Root Rot ⁵	Seed Coat Breakage ⁶	Seed Coat Dimpling ⁷	Green Seed Coat ⁸
Agronomic data only directly comparable to CDC Amarillo										
CDC Amarillo	23.0	M	85	230	2.4	4.5	MR	F	F	G
AAC Aberdeen 	-1.1	M	85	250	2.5	4.5	I	F	F	G
AAC Ardill 	-1.5	M	85	230	2.4	4.5	MR	G	G	G
AAC Barrhead 	-1.6	E	86	236	2.5	5.5	I	G	G	NA
AAC Beyond 	0.3	E	80	220	4.5	5.0	MR	F	F	G
AAC Carver 	-1.3	E	85	240	2.9	5.0	I	G	F	G
AAC Chrome 	-1.0	M	75	240	2.9	4.5	I	G	G	G
AAC Delhi 	0.7	M	80	290	2.8	5.0	I	G	F	F
AAC Julius  *	0.4	E	85	210	3.6	4.5	MR	G	G	G
AAC Lacombe 	-0.7	M	85	250	2.2	5.0	I	F	F	F
AAC Planet  *	1.2	M	90	220	2.3	4.5	MR	G	G	G
AAC Profit 	0.8	M	90	230	2.5	4.5	I	F	G	G
Boost  *	1.2	M	90	230	3.1	4.5	MR	G	G	G
Caphorn  *	1.7	M	80	260	2.7	5.0	MR	F	G	G
CDC Canary 	0.1	E	85	230	2.6	4.5	I	G	F	F
CDC Citrine  *	0.3	M	85	220	2.6	4.0	MR	G	G	G
CDC Hickie 	0.5	M	85	230	2.6	4.5	MR	G	G	G
CDC Inca [†] 	-0.6	M	85	230	2.1	4.5	I	G	G	F
CDC Lewochko 	0.9	M	90	230	1.6	4.5	I	G	G	G
CDC Spectrum 	0.7	M	85	240	2.1	4.5	I	G	G	F
CDC Tollefson 	-0.3	M	90	240	2.5	4.0	MR	G	G	G
LN4228 	0.4	M	77	257	2.1	5.5	I	F	F	G
ProStar  *	1.2	M	80	250	2.8	4.5	MR	G	G	G

Remarks: All the yellow pea varieties listed in the table are Powdery Mildew resistant.  = PBR Protection under UPOV 78,  = PBR protection under UPOV 91, and  = PBR application filed and subject to provisional protection. NA = data is not available. ¹Maturity: E = early, M = medium, L = Late. ²Thousand Seed Weight: g. ³Standability: 1 = erect, 9 = flat. ⁴Mycosphaerella blight score (1-9) 1 = no disease, 9 = completely blighted. ⁵Fusarium Root Rot: I = Intermediate, MR = Moderately Resistant. ⁶Tolerance to Seed Coat Breakage: P = poor, F = fair, G = good, VG = very good. ⁷Seed Coat Dimpling: VG = very good (0 - 5%), G = good (6 - 20%), F = fair (21-50%). ⁸Green Seed Coat: G = good (0 - 10%), F = fair (11 - 25%). [†] Flagged for removal in 2025.