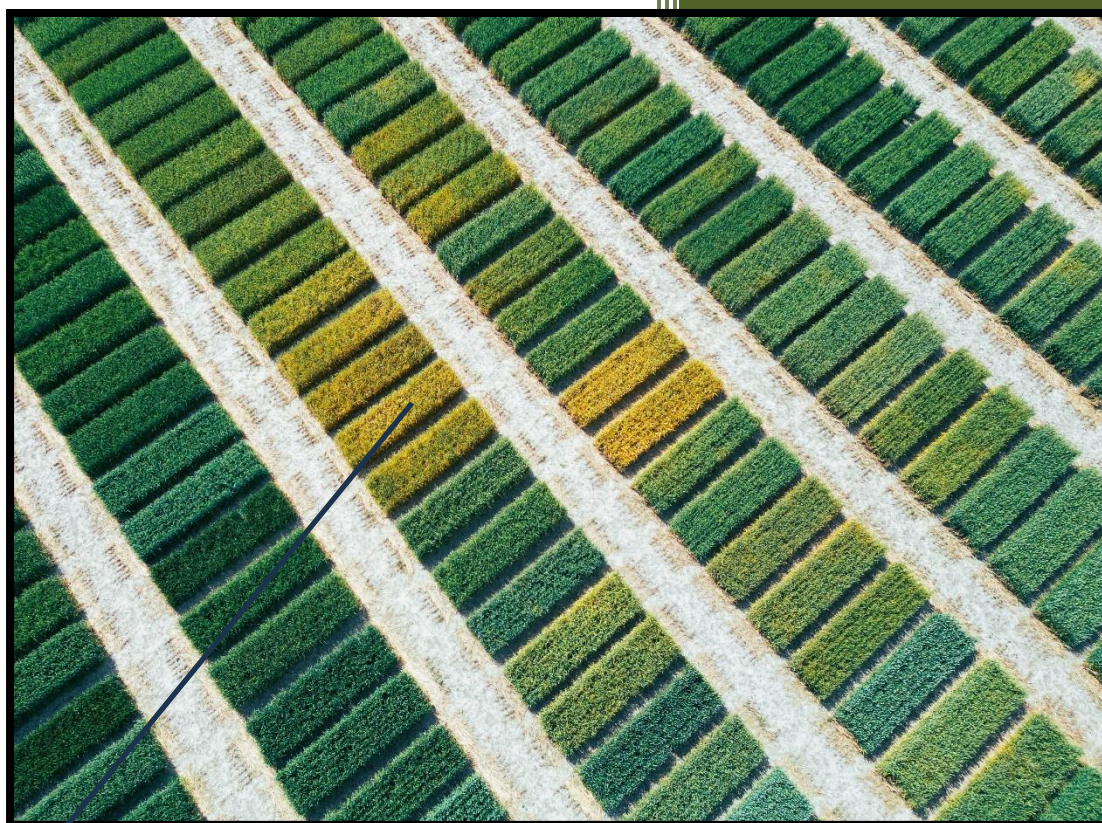


2025

Ontario Winter Wheat Performance Trials

Data collected 2025

www.gocrops.ca



Stripe Rust spread in trials

Conducted by the Ontario Cereal Crop Committee
Current as of August, 2025

General Information:

Cereal Performance Trials are conducted annually by the Ontario Cereal Crops Committee (OCCC). For more information about the OCCC, go to [GoCrops](#) website, click on 'View Cereal Info, then "About".

Winter wheat trials are conducted annually at 12 locations across Ontario. A map showing the testing areas for winter wheat can be found on [GoCrops](#) under "Performance Trial Results". Each trial consists of four replications and is managed according to the recommendations of the Ontario Ministry of Agriculture, Food and Agribusiness. Detailed information about the practices used and explanations of terms can be found on [GoCrops](#) under "Performance Trial Results > Procedures: OCCC Trial Methods & Testing Procedures". Trials are inspected by representatives of the OCCC after heading to ensure that they meet OCCC standards.

"Fungicide only" trials for winter wheat refers to trials that receive two applications of a foliar fungicide for the control of leaf diseases and/or Fusarium Head Blight. Fungicide treatments for winter wheat include a T1 (GS 30-31) and T3 (GS 60-65) fungicide application. **The OCCC thanks the Grain Farmers of Ontario, BASF, Bayer and Syngenta for their financial support towards the intensive trials.**

The Yield Index reflects the performance of the variety relative to the average of the trials. Yield Indices are "Heritability Adjusted Relative Values" (HARV), which favour results from trial locations with high repeatability from rep to rep. For more information, see: [Yan: Use of HARV in Variety Trials](#) under gocrops/resources. Index values differing by less than 3 within a column may not represent true differences in yield. Variety yield rankings may vary from year to year. Decisions are best made using data with the greatest number of years.

Heading and Physiological Maturity Days vary from year to year and should only be used to indicate relative differences.

Not all traits are expressed in any given year or area. For traits not reported in a table, see other area trait tables or previous years' performance trial reports. Head to Head comparisons on [GoCrops](#) website give multi-year data for all trait characteristics.

Abbreviations:

- JD = Julian Days (days for January 1st)
- Fusarium Ratings: "Combined Fusarium Ratings" for winter wheat are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials. "DON Ratings" are based only on DON levels from inoculated provincial trials Ratings: MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)
- Other Ratings: For ratings 0 - 9, a high score is undesirable. Disease ratings are taken from naturally occurring infection.
- Winter Wheat Classes: sww = soft white winter; srw = soft red winter; hrw = hard red winter; efw = eastern feed winter; eow = (Canada Eastern Other Wheat) = does not meet quality standards for sww, srw or hrw; a = awned

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For in-season updates on crop conditions visit the crop report section of OMAFA Field Crop News websites at <https://fieldcropnews.com/category/crop-report/>
For more information on winter wheat also refer to OMAFA's crop specific area of the website at <https://fieldcropnews.com/category/winter-wheat/>

2025

Ontario Winter Wheat Performance Trials

Conducted by the Ontario Cereal Crop Committee ♦ www.gocereals.ca

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Ontario Cereal Crop Performance Trials 2025

Table 1 - Winter Wheat Cumulative Yield Indices¹ Area 1 & 2 Combined

Class	Variety	5 Year	4 Year	3 Year	2 Year	2025
sww	Ava	96 ²	96	96	94	98
	25W38 (awned) 	103	101	101	100	101
srw	Branson 	99	100	100	102	100
	Marker	98	98	98	97	95
	UGRC Ring (awned) 	98	98	97	97	97
	B654SRW 	99	100	100	102	104
	Blaze (awned)	103	104	103	105	104
	Hilliard (awned) 	107	106	106	106	105
	OAC Constellation (awned) 	103	103	103	104	104
	Swoop 	99	99	99	97	96
	B700SRW (awned)	99	99	98	98	95
	OAC Moon (awned) 	102	101	101	100	100
	OAC Virgo 		102	102	102	103
	OAC Twilight 			99	99	102
	25R64 (awned) 			99	98	93
	25R29 (awned) 			104	105	106
	Fuze (awned)			102	102	101
	Caldwell 				107	105
	GRO-08SRW 				106	104
	25R65 				102	99
	12w931-256					92
	ca14015-10 (awned)					94
	OAC Vega (awned) 					97
hrw	PRO 81 (awned) 	101	100	100	98	101
	Adrianus (awned) 	104	103	104	103	103
	Redford 			100	99	98
Means (t/ha)		7.05	7.23	7.05	6.86	6.90
Means (bu/ac)		104.9	107.6	104.8	102.1	102.6
Location-Years		31	24	20	13	7

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Stripe rust pressure was severe in 2025, please refer to Table 1a to see yield impact where fungicide was applied for disease control.

Ontario Cereal Crop Performance Trials 2025

Table 1a - Winter Wheat Cumulative Yield Indices¹, Area 1 & 2 Combined, Fungicide Applied

Class	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2025 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava	92 ²	99	92	100	91	100	88	99	92	101
	25W38 (awned) 	98	106	96	104	95	104	93	102	95	103
srw	Branson 	96	103	96	103	97	103	98	106	97	106
	Marker	94	102	95	103	94	103	92	102	92	104
	UGRC Ring (awned) 	94	101	95	102	93	101	93	101	94	103
	B654SRW 	95	105	96	104	95	105	97	108	98	108
	Blaze (awned)	99	107	99	106	98	106	98	107	98	107
	Hilliard (awned) 	103	108	101	107	102	107	101	107	100	108
	OAC Constellation (awned) 	99	105	99	104	99	104	100	106	99	106
	OAC Vega (awned) 									92	102
	Swoop 	97	106	97	107	96	107	95	108	93	107
	B700SRW (awned)	95	107	95	106	93	106	92	109	92	109
	OAC Moon (awned) 	98	107	97	107	97	107	94	106	95	106
	OAC Twilight 					94	101	93	103	93	104
	OAC Virgo 			99	107	98	107	98	109	100	109
	12w931-256									85	92
	ca14015-10 (awned)									88	97
	25R64 (awned) 					97	111	96	113	93	113
	25R29 (awned) 					100	112	99	114	101	113
	Fuze (awned)					100	112	99	113	101	115
	Caldwell 							103	109	101	109
	GRO-08SRW 							100	110	98	107
	25R65 							95	110	96	110
hrw	PRO 81 (awned) 	96	100	95	100	95	100	93	100	95	101
	Adrianus (awned) 	100	104	98	103	98	103	95	101	95	101
	Redford 					93	100	91	98	92	98
Means (t/ha)		7.09	7.73	7.22	7.86	7.04	7.74	7.05	7.89	7.18	8.02
Means (bu/ac)		105.5	115.0	107.3	116.8	104.7	115.1	104.8	117.2	106.7	119.2
Location-Years		22		17		14		9		5	

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



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Ontario Cereal Crop Performance Trials 2025

Table 2 - Winter Wheat Cumulative Yield Indices¹ Area 1

Class	Variety	5 Year	4 Year	3 Year	2 Year	2025
sww	Ava	94 ²	94	94	92	97
	25W38 (awned) 	102	100	99	96	99
srw	Branson 	99	100	101	103	103
	Marker	98	98	97	97	96
	UGRC Ring (awned) 	99	99	98	99	101
	B654SRW 	98	98	99	100	102
	Blaze (awned)	102	102	102	102	102
	Hilliard (awned) 	105	103	104	104	103
	OAC Constellation (awned) 	103	102	102	105	103
	Swoop 	98	99	99	99	98
	B700SRW (awned)	101	101	99	100	99
	OAC Moon (awned) 	101	100	100	98	100
	OAC Virgo 		102	102	102	104
	OAC Twilight 			98	100	101
	25R64 (awned) 			103	102	99
	25R29 (awned) 			106	107	105
	Fuze (awned)			104	103	106
	Caldwell 				108	107
	GRO-08SRW 				106	103
	25R65 				99	100
	OAC Vega (awned) 					99
	12w931-256					89
	ca14015-10 (awned)					94
hrw	PRO 81 (awned) 	99	98	98	96	99
	Adrianus (awned) 	103	101	101	100	101
	Redford 			98	96	99
Means (t/ha)		6.96	7.01	6.83	6.62	6.77
Means (bu/ac)		103.5	104.2	101.5	98.4	100.7
Location-Years		14	11	9	6	3

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



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Stripe rust pressure was severe in 2025, please refer to Table 2a to see yield impact where fungicide was applied for disease control.

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Ontario Cereal Crop Performance Trials 2025

Table 2a - Winter Wheat Cumulative Yield Indices¹, Area 1, Fungicide Applied

Class	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2025 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava	90 ²	96	90	97	90	97	86	97	91	100
	25W38 (awned) 	99	106	97	103	95	103	91	101	94	102
srw	Branson 	96	102	97	102	98	103	99	105	98	106
	Marker	94	101	94	102	94	102	91	102	90	101
	UGRC Ring (awned) 	96	101	96	101	94	100	94	102	97	104
	B654SRW 	95	101	95	102	95	103	96	106	98	107
	Blaze (awned)	100	105	100	105	99	105	98	105	98	106
	Hilliard (awned) 	102	106	101	105	101	105	100	106	99	105
	OAC Constellation (awned) 	100	104	99	103	99	103	101	106	99	106
	OAC Vega (awned) 									95	102
	Swoop 	95	103	96	104	96	105	94	107	93	105
	B700SRW (awned)	98	108	98	107	96	107	95	110	95	110
	OAC Moon (awned) 	99	106	97	105	97	105	94	104	95	106
	OAC Twilight 					95	99	95	103	97	105
	OAC Virgo 			100	106	98	106	98	108	101	109
	12w931-256									82	88
	ca14015-10 (awned)									89	97
	25R64 (awned) 					100	112	97	113	95	115
	25R29 (awned) 					103	113	103	116	101	115
	Fuze (awned)					101	111	99	113	103	116
	Caldwell 							104	108	103	109
	GRO-08SRW 							102	110	99	108
	25R65 							94	109	95	110
hrw	PRO 81 (awned) 	96	99	95	98	95	99	91	98	94	100
	Adrianus (awned) 	100	104	99	102	98	102	95	101	96	101
	Redford 					94	100	91	98	94	99
Means (t/ha)		6.96	7.42	7.01	7.46	6.83	7.35	6.62	7.35	6.77	7.51
Means (bu/ac)		103.5	110.3	104.2	111.0	101.5	109.3	98.4	109.3	100.7	111.7
Location-Years		14		11		9		6		3	

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

  PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Ontario Cereal Crop Performance Trials 2025

Table 2b - Winter Wheat Varietal Characteristics¹ Area 1

Class	Variety	Fusarium Data			Test		1000		Winter		Heading		Maturity		Powdery		Leaf		Leaf		Stripe	
		Combined		Years	Weight	Protein	Weight	Survival	Lodging	Height	Date	Date	Mildew	Rust	Septoria	Rust						
		Fusarium Rating ²	Don Rating ²																			
sww	Ava	MS	S	6	73.9	10.9	36.0	98	0.2	106	151	186	2.5	5.9	4.3	2.8						
	25W38 	S	S	6	72.0	11.4	36.6	98	0.0	91	146	186	1.4	4.9	4.1	2.1						
srw	Branson 	S	MS	6	74.6	11.2	35.7	96	1.6	95	143	185	2.6	4.0	4.0	3.3						
	Marker	S	S	6	71.9	10.9	30.2	99	0.8	99	147	186	3.6	6.9	4.4	4.5						
	UGRC Ring 	MS	MS	6	72.9	10.8	37.0	95	0.4	101	146	185	3.1	6.9	4.8	5.3						
	B654SRW 	S	MS	6	74.8	10.3	37.9	98	0.8	104	146	185	3.8	3.1	4.9	1.5						
	Blaze	MS	MS	6	74.7	11.2	36.2	99	0.8	98	147	185	2.6	6.6	3.8	2.6						
	Hilliard 	S	S	6	74.4	11.5	35.7	99	0.1	95	145	186	1.3	3.1	3.3	1.5						
	OAC Constellation 	S	S	5	76.8	11.2	36.7	98	0.3	91	145	185	1.3	2.6	4.3	2.8						
	OAC Vega 	MS	MS	3	75.6	11.6	40.4	99	0.4	100	145	185	5.3	8.0	4.8	4.1						
	Swoop 	MS	MS	4	73.8	10.8	34.2	99	1.3	101	146	185	2.6	5.5	5.0	3.0						
	B700SRW	MS	MS	4	73.5	11.0	33.8	95	0.4	91	145	185	3.5	8.1	4.1	4.4						
	OAC Moon 	MS	MS	4	71.7	11.2	28.9	99	0.3	90	145	185	2.5	5.6	4.4	3.8						
	OAC Twilight 	S	S	2	75.2	11.0	36.4	96	0.4	99	144	185	1.6	4.9	4.1	2.9						
	OAC Virgo 	MS	MS	3	75.0	10.5	35.5	98	0.3	96	146	186	1.3	4.9	4.4	2.8						
	12w931-256	MR	MS	3	74.3	11.7	38.4	91	0.1	99	149	186	3.4	5.6	4.5	3.9						
	ca14015-10	HS	S	3	72.8	11.4	37.4	96	0.2	90	145	186	4.1	7.5	4.0	3.9						
	25R64 	S	S	2	69.3	10.5	31.9	98	0.0	90	148	186	2.6	7.5	5.0	4.9						
	25R29 	S	S	2	73.4	10.6	37.0	96	0.2	95	147	185	4.0	7.6	4.4	5.3						
	Fuze	MS	HS	2	73.3	10.5	33.2	96	0.4	91	146	186	2.3	4.5	4.8	3.0						
	Caldwell 	S	S	1	75.4	11.5	36.1	96	0.3	94	148	185	3.3	2.1	3.6	2.3						
	GRO-08SRW 	MR	MS	1	76.4	11.4	36.6	95	0.3	93	145	185	2.0	5.6	3.6	2.6						
	25R65 	S	MS	1	71.2	10.6	30.2	98	0.2	91	147	186	3.3	7.5	3.8	5.1						
hrw	PRO 81 	MS	MS	6	77.5	12.7	34.5	89	0.0	102	149	186	1.5	2.1	4.0	0.9						
	Adrianus 	S	S	6	77.3	12.5	43.5	96	0.1	96	149	187	1.3	2.4	4.1	0.8						
	Redford 	MR	S	2	75.2	13.0	45.8	95	0.0	104	151	186	2.3	2.5	3.8	1.1						
Means					74.1	11.2	36.0	96	0.4	96	147	185	2.6	5.2	4.2	3.1						
Locations					3	3	3	2	3	3	3	2	2	2	2	2						

¹See Head to Head comparisons on GoCrops.ca website for multi-year data for trait characteristics.

²MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

³ For ratings 0-9, a high score is undesirable. Disease ratings are taken from naturally occurring infection. Stripe rust pressure was particularly prevalent in 2024 and 2025, with some varieties being significantly impacted.



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Ontario Cereal Crop Performance Trials 2025

Table 3 - Winter Wheat Cumulative Yield Indices¹ Area 2

Class	Variety	5 Year	4 Year	3 Year	2 Year	2025
sww	Ava	99 ²	98	98	97	98
	25W38 (awned) 	103	102	103	104	102
srw	Branson 	99	99	99	101	98
	Marker	98	98	98	96	95
	UGRC Ring (awned) 	97	97	96	95	95
	B654SRW 	101	101	101	103	106
	Blaze (awned)	104	105	105	108	105
	Hilliard (awned) 	109	108	108	108	107
	OAC Constellation (awned) 	104	105	104	104	104
	Swoop 	100	100	98	95	94
	B700SRW (awned)	97	97	96	96	92
	OAC Moon (awned) 	102	102	101	101	101
	OAC Virgo 		103	103	102	102
	OAC Twilight 			99	98	102
	25R64 (awned) 			96	95	89
	25R29 (awned) 			102	104	107
	Fuze (awned)			101	101	97
	12w931-256				90	94
	ca14015-10 (awned)				95	94
	Caldwell 				107	104
	GRO-08SRW 				106	105
	25R65 				104	99
	UGRC Comet 					98
	OAC Vega (awned) 					95
hrw	PRO 81 (awned) 	102	101	101	100	102
	Adrianus (awned) 	105	105	106	106	105
	Redford 			102	101	98
Means (t/ha)		7.12	7.41	7.21	7.05	6.99
Means (bu/ac)		105.9	110.1	107.2	104.9	104.0
Location-Years		17	13	11	7	4

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



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Stripe rust pressure was severe in 2025, please refer to Table 3a to see yield impact where fungicide was applied for disease control.

Ontario Cereal Crop Performance Trials 2025

Table 3a - Winter Wheat Cumulative Yield Indices¹, Area 2, Fungicide Applied

Class	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2025 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava	95 ²	105	94	104	94	104	92	104	93	104
	25W38 (awned) 	97	107	95	105	95	105	95	105	96	104
srw	Branson 	94	106	95	104	94	105	97	109	96	108
	Marker	95	105	95	105	95	105	93	103	94	109
	UGRC Ring (awned) 	91	102	92	103	90	102	90	100	91	102
	B654SRW 	96	110	96	110	95	109	99	112	97	111
	Blaze (awned)	98	111	98	109	97	109	100	111	98	109
	Hilliard (awned) 	104	111	103	110	103	110	103	110	103	111
	OAC Constellation (awned) 	99	106	100	107	99	106	99	105	98	106
	UGRC Comet 									95	103
	OAC Vega (awned) 									89	102
	Swoop 	99	110	99	112	97	111	95	110	94	110
	B700SRW (awned)	89	106	90	106	88	105	87	107	88	108
	OAC Moon (awned) 	96	109	97	110	97	110	96	108	95	108
	OAC Twilight 					92	104	89	102	89	101
	OAC Virgo 			99	109	99	109	98	110	98	109
	12w931-256							87	100	89	99
	ca14015-10 (awned)							87	98	86	97
	25R64 (awned) 					92	111	94	112	91	111
	25R29 (awned) 					93	109	93	110	100	110
	Fuze (awned)					98	112	98	114	99	114
	Caldwell 							100	111	97	111
	GRO-08SRW 							97	108	97	105
	25R65 							97	112	98	111
hrw	PRO 81 (awned) 	97	103	96	103	96	103	96	103	95	103
	Adrianus (awned) 	98	103	98	103	98	103	96	102	94	101
	Redford 					92	101	91	98	88	98
Means (t/ha)		7.30	8.21	7.57	8.50	7.38	8.36	7.84	8.86	7.78	8.76
Means (bu/ac)		108.5	122.1	112.5	126.4	109.7	124.3	116.6	131.7	115.6	130.3
Location-Years		8		6		5		3		2	

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



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Ontario Cereal Crop Performance Trials 2025

Table 3b - Winter Wheat Varietal Characteristics¹ Area 2

Class		Variety	Fusarium Data			1000										
			Combined		Test	Kernel		Winter	Heading		Maturity	Powdery	Leaf	Stripe	Straw	
			Fusarium	Don		Weight	Protein		Weight	Survival						Lodging
		Rating ²	Rating ²	Years	(kg/hL)	(%)	(g)	(%)	(0-9) ³	(cm)	(JD)	(JD)	(0-9) ³	(0-9) ³	(0-9) ³	Index
sww	Ava	MS	S	6	72.0	10.7	36.9	100	2.3	115	158	194	4.0	3.5	3.6	111
	25W38	S	S	6	70.7	11.0	36.4	100	2.8	95	154	193	1.2	2.5	3.6	100
srw	Branson	S	MS	6	70.7	10.9	35.1	100	1.4	96	153	189	3.8	3.5	5.3	85
	Marker	S	S	6	69.0	10.5	31.6	100	4.3	104	156	193	4.0	3.0	5.9	97
	UGRC Ring	MS	MS	6	69.0	10.6	37.5	88	1.5	106	156	191	5.4	3.5	5.6	101
	B654SRW	S	MS	6	72.3	9.8	38.5	100	3.1	107	155	191	5.1	3.0	4.0	91
	Blaze	MS	MS	6	71.5	10.4	37.5	100	2.3	100	156	193	3.0	2.3	4.4	98
	Hilliard	S	S	6	72.0	11.0	35.5	100	1.4	100	154	191	1.1	2.8	5.4	104
	OAC Constellation	S	S	5	74.0	11.0	38.8	100	3.0	98	154	190	4.2	3.0	5.7	105
	UGRC Comet	--	--	--	71.4	10.8	36.6	100	3.4	100	155	191	3.6	3.0	4.5	101
	OAC Vega	MS	MS	3	73.0	10.8	41.1	100	3.3	106	154	190	5.6	3.3	5.4	105
	Swoop	MS	MS	4	70.3	10.5	33.7	100	2.9	107	157	191	4.7	3.8	7.1	102
	B700SRW	MS	MS	4	69.1	10.6	32.6	100	0.5	93	154	192	4.8	3.3	6.3	91
	OAC Moon	MS	MS	4	70.2	10.5	29.1	100	0.6	91	154	192	4.4	3.0	5.1	85
	OAC Twilight	S	S	2	72.9	10.9	37.9	100	2.5	104	153	191	3.7	3.0	4.4	101
	OAC Virgo	MS	MS	3	70.7	10.2	34.1	100	2.8	100	155	191	2.9	3.3	4.7	93
	12w931-256	MR	MS	3	71.8	11.0	37.8	99	3.3	108	157	193	4.0	3.3	4.5	106
	ca14015-10	HS	S	3	70.8	11.1	37.4	99	2.4	97	155	192	3.9	3.0	5.5	111
	25R64	S	S	2	65.6	9.9	31.5	98	0.3	91	158	193	4.5	3.5	6.9	89
	25R29	S	S	2	71.8	10.3	38.3	100	0.6	100	156	192	3.6	3.5	5.3	104
	Fuze	MS	HS	2	69.6	9.8	32.1	95	0.4	96	155	192	3.9	3.3	6.6	94
	Caldwell	S	S	1	71.4	10.7	34.4	100	0.4	95	156	192	4.9	3.0	6.5	91
	GRO-08SRW	MR	MS	1	75.3	10.5	36.2	100	1.9	97	155	192	3.6	2.8	3.6	88
	25R65	S	MS	1	70.6	10.0	30.6	97	1.4	93	157	192	3.4	3.3	4.9	73
hrw	PRO 81	MS	MS	6	74.7	12.2	34.7	97	3.6	110	157	192	0.6	2.5	1.2	127
	Adrianus	S	S	6	72.7	12.1	43.2	84	0.1	103	160	195	0.8	2.8	0.8	126
	Redford	MR	S	2	70.1	13.0	44.2	95	2.0	108	157	192	3.5	2.0	0.9	118
Means					71.2	10.8	36.1	98	2.0	101	156	192	3.6	3.0	4.7	5.83t/ha
Locations					4	3	4	3	2	4	3	1	3	1	3	1

¹See Head to Head comparisons on GoCrops.ca website for multi-year data for trait characteristics.

²MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

³ For ratings 0-9, a high score is undesirable. Disease ratings are taken from naturally occurring infection. Stripe rust pressure was particularly prevalent in 2024 and 2025, with some varieties being significantly impacted.

 PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Ontario Cereal Crop Performance Trials 2025

Table 4 - Winter Wheat Cumulative Yield Indices¹ Area 3

Class	Variety	5 Year	4 Year	3 Year	2 Year	2025
sww	Ava					97 ²
srw	Branson 	101	101	102	102	102
	Marker	96	96	97	95	99
	B654SRW 	101	101	102	102	102
	Blaze (awned)	101	101	101	101	102
	OAC Constellation (awned) 	100	100	101	101	99
	Swoop 	101	101	99	99	100
	Hilliard (awned) 		100	100	101	99
	OAC Moon (awned) 		103	104	104	104
	OAC Virgo 		101	100	101	100
	B700SRW (awned)			101	101	101
	25R64 (awned) 			104	105	105
	25R29 (awned) 			106	107	105
	Fuze (awned)			104	104	104
	OAC Twilight 				94	94
	Caldwell 				103	101
	GRO-08SRW 				101	100
	25R65 					102
	OAC Vega (awned) 					92
hrw	PRO 81 (awned) 	98	97	95	96	97
	Adrianus (awned) 	99	98	96	98	98
	Redford 			96	97	98
Means (t/ha)		8.36	8.45	8.46	8.48	8.03
Means (bu/ac)		124.3	125.6	125.7	126.1	119.4
Location-Years		15	12	9	6	3

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Stripe rust pressure was severe in 2025, please refer to Table 4a to see yield impact where fungicide was applied for disease control.

Ontario Cereal Crop Performance Trials 2025

Table 4a - Winter Wheat Cumulative Yield Indices¹, Area 3, Fungicide Applied

Class	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2025 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava									88 ²	94
srw	Branson 	98	107	97	108	101	105	102	103	102	101
	Marker	88	99	85	99	90	97	86	94	93	97
	B654SRW 	94	104	95	105	97	103	99	102	97	99
	Blaze (awned)	100	107	100	109	103	110	105	109	107	112
	Hilliard (awned) 			96	104	99	105	100	104	100	102
	OAC Constellation (awned) 	96	105	95	106	99	105	100	102	101	100
	OAC Vega (awned) 									87	91
	Swoop 	97	104	96	105	96	102	96	100	96	98
	B700SRW (awned)					99	108	100	107	102	106
	OAC Moon (awned) 			101	111	103	111	105	110	108	110
	OAC Twilight 							93	97	92	93
	OAC Virgo 			98	106	96	102	97	101	97	99
	25R64 (awned) 					101	109	104	109	104	107
	25R29 (awned) 					108	116	112	117	111	114
	Fuze (awned)					102	108	101	104	103	106
	Caldwell 							102	103	100	99
	GRO-08SRW 							101	105	102	103
	25R65 									102	107
hrw	PRO 81 (awned) 	92	97	90	97	88	93	92	93	94	95
	Adrianus (awned) 	93	97	91	96	90	94	96	96	97	94
	Redford 					89	92	94	96	98	95
Means (t/ha)		7.78	8.45	8.01	8.80	8.44	9.01	8.47	8.80	8.29	8.47
Means (bu/ac)		115.6	125.7	119.2	130.8	125.5	134.0	126.0	130.9	123.2	125.9
Location-Years		5		4		3		2		1	

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Ontario Cereal Crop Performance Trials 2025

Table 4b - Winter Wheat Varietal Characteristics¹ Area 3

Class	Variety	Fusarium Data			Test		1000	Winter		Height	Heading		Leaf	Leaf	Straw
		Combined	Don	Years	Weight	Protein	Kernel	Survival	Lodging		Date	Maturity	Rust	Septoria	Yield
		Fusarium	Rating ²	Rating ²	(kg/hL)	(%)	Weight	(%)	(0-9) ³	(cm)	(JD)	(JD)	(0-9) ³	(0-9) ³	Index
sww	Ava	MS	S	6	77.1	9.7	33.4	95	1.9	100	162	193	3.3	1.0	111
srw	Branson 	S	MS	6	76.5	10.2	33.5	95	2.3	86	158	189	3.0	0.8	89
	Marker	S	S	6	75.5	9.8	29.5	96	4.4	93	161	192	4.5	1.0	106
	B654SRW 	S	MS	6	77.6	9.4	36.3	95	2.5	98	160	190	1.5	0.8	104
	Blaze	MS	MS	6	77.3	10.1	35.7	94	0.4	91	160	190	3.0	1.8	100
	Hilliard 	S	S	6	77.4	10.4	33.7	93	0.1	87	160	191	1.0	0.8	92
	OAC Constellation 	S	S	5	79.2	10.6	35.4	96	1.0	86	160	189	1.0	1.5	98
	OAC Vega 	MS	MS	3	77.9	11.1	36.9	92	1.5	94	159	191	5.3	2.8	99
	Swoop 	MS	MS	4	76.8	9.8	32.6	97	2.8	93	161	191	2.8	0.8	99
	B700SRW	MS	MS	4	77.7	10.0	34.4	94	0.4	85	159	190	3.5	1.5	99
	OAC Moon 	MS	MS	4	75.3	9.9	28.0	95	0.8	84	159	191	2.8	1.8	93
	OAC Twilight 	S	S	2	77.1	10.2	34.7	95	2.8	92	157	189	2.3	2.3	77
	OAC Virgo 	MS	MS	3	78.0	9.6	33.4	95	1.9	91	160	191	3.3	0.5	93
	25R64 	S	S	2	75.2	9.5	33.1	96	0.0	83	163	193	2.5	0.5	96
	25R29 	S	S	2	77.0	9.9	36.7	95	0.0	87	162	191	4.5	1.3	106
	Fuze	MS	HS	2	76.4	9.8	33.1	97	1.1	82	160	191	3.8	0.5	92
	Caldwell 	S	S	1	78.1	10.6	33.6	95	2.6	87	160	192	0.8	0.3	103
	GRO-08SRW 	MR	MS	1	79.0	10.1	33.0	95	1.1	86	160	191	4.0	0.5	101
	25R65 	S	MS	1	74.7	9.4	30.3	93	0.0	82	162	191	4.3	0.5	96
hrw	PRO 81 	MS	MS	6	81.0	11.5	33.1	94	1.1	94	161	193	3.0	0.8	124
	Adrianus 	S	S	6	80.6	11.3	41.3	94	0.5	88	164	194	1.5	0.5	112
	Redford 	MR	S	2	78.6	11.1	41.9	95	0.0	97	162	192	3.5	2.3	111
Means					77.5	10.2	34.2	95	1.3	89	160	191	2.9	1.1	4.94t/ha
Locations					3	3	3	2	2	3	3	3	1	1	1

¹See Head to Head comparisons on GoCrops.ca website for multi-year data for trait characteristics.

²MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

³ For ratings 0-9, a high score is undesirable. Disease ratings are taken from naturally occurring infection. Stripe rust pressure was particularly prevalent in 2024 and 2025, with some varieties being significantly impacted.

  PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

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Ontario Cereal Crop Performance Trials 2025

Table 5 - Winter Wheat Cumulative Yield Indices¹ Area 5

Class	Variety	5 Year	4 Year	3 Year	2 Year	2025
srw	Marker	102 ²	101	102	99	105
	B654SRW 	111	111	111	116	118
	Blaze (awned)	105	105	104	104	108
	Swoop 	105	106	106	107	105
	Hilliard (awned) 		100	100	100	99
	OAC Virgo 		105	104	102	107
	OAC Constellation (awned) 			99	97	99
	B700SRW (awned)			102	97	97
	25R29 (awned) 			114	113	105
	25R64 (awned) 				110	106
	OAC Twilight 				100	106
	Fuze (awned)				101	98
	GRO-08SRW 				105	93
	Branson 					104
	25R65 					107
	OAC Vega (awned) 					87
	Caldwell 					101
hrw	PRO 81 (awned) 	91	91	89	89	90
	Adrianus (awned) 	81	78	81	90	87
	Redford 			89	86	86
Means (t/ha)		7.72	7.99	8.18	8.24	8.89
Means (bu/ac)		114.7	118.8	121.7	122.5	132.1
Location-Years		9	7	5	3	1

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Stripe rust pressure was severe in 2025, please refer to Table 5a to see yield impact where fungicide was applied for disease control.

Ontario Cereal Crop Performance Trials 2025

Table 5a - Winter Wheat Cumulative Yield Indices¹, Area 5, Fungicide Applied

Class	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2025 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
srw	Branson 									100 ²	106
	Marker	100	103	100	103	102	104	103	104	101	103
	B654SRW 	106	110	107	110	108	112	112	114	114	120
	Blaze (awned)	106	108	108	109	105	107	105	109	105	113
	Hilliard (awned) 			101	101	97	97	96	97	96	102
	OAC Constellation (awned) 					100	100	99	100	96	103
	OAC Vega (awned) 									84	86
	Swoop 	104	110	103	109	101	108	103	108	101	116
	B700SRW (awned)					101	102	98	100	94	100
	OAC Twilight 							100	102	103	110
	OAC Virgo 			104	104	102	104	105	106	103	107
	25R64 (awned) 							106	109	102	113
	25R29 (awned) 					107	108	105	107	102	110
	Fuze (awned)							100	105	95	108
	Caldwell 									98	107
hrw	GRO-08SRW 							96	94	90	90
	25R65 									104	107
	PRO 81 (awned) 	93	93	93	94	91	89	90	89	87	90
	Adrianus (awned) 	86	89	86	88	89	91	88	88	84	89
	Redford 					88	89	87	87	83	87
Means (t/ha)		8.73	8.94	8.97	9.16	9.06	9.28	9.17	9.36	8.89	9.55
Means (bu/ac)		129.8	133.0	133.4	136.2	134.8	137.9	136.3	139.2	132.1	142.0
Location-Years		5		4		3		2		1	

¹ Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.



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Ontario Cereal Crop Performance Trials 2025

Table 5b - Winter Wheat Varietal Characteristics¹ Area 5

Class		Variety	Fusarium Data			1000							Barley				
			Combined		Test	Kernel	Winter	Heading	Maturity	Yellow	Stem	Stripe	Straw				
			Fusarium	Don										Weight	Protein	Weight	Survival
		Rating ²	Rating ²	Years	(kg/hL)	(%)	(g)	(%)	(0-9) ³	(cm)	(JD)	(JD)	Virus	(0-9) ³	(0-9) ³	Index	
srw	Branson 	S	MS	6	76.5	11.6	35.0	100	0.8	79	165	205	1.0	1.0	1.0	103	
	Marker	S	S	6	77.5	10.4	31.2	100	0.8	82	167	207	1.5	2.0	1.5	94	
	B654SRW 	S	MS	6	78.7	10.5	36.0	100	1.0	89	167	207	1.0	0.5	0.0	107	
	Blaze	MS	MS	6	78.7	11.0	36.2	100	0.0	83	168	207	1.5	1.5	1.0	90	
	Hilliard 	S	S	6	78.9	11.4	33.5	100	0.3	78	167	210	1.0	0.0	0.5	82	
	OAC Constellation 	S	S	5	78.9	11.2	34.8	100	0.0	77	167	205	1.3	0.0	0.0	86	
	OAC Vega 	MS	MS	3	79.2	11.8	39.0	100	0.0	81	166	206	1.8	1.5	1.0	122	
	Swoop 	MS	MS	4	77.7	10.7	34.4	100	2.5	89	167	207	1.3	0.5	2.5	109	
	B700SRW	MS	MS	4	78.3	10.8	33.9	100	0.0	79	166	207	1.3	1.0	2.5	103	
	OAC Twilight 	S	S	2	79.7	11.1	35.7	100	1.0	86	165	209	1.0	1.0	0.5	95	
	OAC Virgo 	MS	MS	3	79.8	10.7	34.9	100	0.3	81	167	207	1.0	1.0	1.0	115	
	25R64 	S	S	2	75.4	10.0	33.2	100	0.0	78	168	208	1.3	0.5	2.5	100	
	25R29 	S	S	2	77.0	11.0	37.1	100	0.0	82	167	210	1.5	1.0	1.0	107	
	Fuze	MS	HS	2	79.0	10.2	34.4	100	0.0	74	167	210	1.0	3.5	6.0	91	
	Caldwell 	S	S	1	78.8	11.7	35.6	100	0.0	79	167	209	1.3	0.0	1.5	98	
	GRO-08SRW 	MR	MS	1	80.3	11.5	34.0	100	0.0	76	167	207	1.0	1.0	0.5	90	
	25R65 	S	MS	1	77.7	10.1	29.9	100	0.0	77	168	207	1.5	1.0	0.0	92	
hrw	PRO 81 	MS	MS	6	81.6	13.6	35.1	100	0.0	83	167	207	2.8	0.5	0.0	101	
	Adrianus 	S	S	6	78.4	13.3	42.0	100	0.0	82	169	209	1.8	0.0	0.0	107	
	Redford 	MR	S	2	76.0	13.2	42.6	100	0.0	90	167	208	3.0	1.0	0.0	108	
Means					78.4	11.3	35.4	100	0.3	81	167	208	1.4	0.9	1.2	5.53t/ha	
Locations					2	1	2	1	1	2	2	2	1	1	1	1	

¹See Head to Head comparisons on GoCrops.ca website for multi-year data for trait characteristics.

²MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst).

³ For ratings 0-9, a high score is undesirable. Disease ratings are taken from naturally occurring infection. Stripe rust pressure was particularly prevalent in 2024 and 2025, with some varieties being significantly impacted.

 PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Ontario Cereal Crop Performance Trials 2025

Table 6a - Winter Wheat Distributors

Class ¹	Variety	Distributor
sww	Ava	Alliance Agri-Turf/Snobelen Farms
	25W38 (awned) 	Pioneer® Seeds
srw	Branson 	Alliance Agri-Turf/Snobelen Farms
	Marker	Snobelen Farms
	UGRC Ring (awned) 	Maizex Seeds
	B654SRW 	Alliance Agri-Turf/Snobelen Farms
	Blaze (awned)	C&M Seeds
	Hilliard (awned) 	C&M Seeds
	OAC Constellation (awned) 	SeCan Association
	UGRC Comet 	Univ of Guelph, Ridgetown
	OAC Vega (awned) 	University of Guelph
	Swoop 	C&M Seeds
	B700SRW (awned)	Alliance Agri-Turf/Snobelen Farms
	OAC Moon (awned) 	SeCan Association
	OAC Twilight 	University of Guelph
	OAC Virgo 	SeCan Association
	12w931-256	Univ of Guelph, Ridgetown
	ca14015-10 (awned)	Univ of Guelph, Ridgetown
	25R64 (awned) 	Pioneer® Seeds
	25R29 (awned) 	Pioneer® Seeds
	Fuze (awned)	C&M Seeds
	Caldwell 	SeCan Association
	GRO-08SRW 	Alliance Agri-Turf/Snobelen Farms
	25R65 	Pioneer HiBred
hrw	PRO 81 (awned) 	C&M Seeds
	Adrianus (awned) 	C&M Seeds
	Redford 	C&M Seeds

¹ sww = soft white winter, srw = soft red winter, hrw = hard red winter.



PBR Status; indicates varieties protected under PBR 91 or pbr78s. Visit pbrfacts.ca to learn more.

Ontario Cereal Crop Committee Performance Trials

Table 6b - Ontario Winter Wheat Distributor/Sponsor Contact Information

Distributor	Address
Alliance Agri-Turf	7386 9th Line, Thornton, ON, L0L 2N0 tel: 1-800-971-4870 Fax: 905-857-8215 Website: www.allianceagri-turf.com
C&M Seeds	6180 5th Line, Palmerston, ON, N0G 2P0 Tel: 1-888-733-9432 Website: www.redwheat.com
Maizex Seeds	4488 Mint Line, Tilbury, ON, N0P 2L0 Tel: 1-877-682-1720 Fax: 1-877-682-2144 Website: www.maizex.com
Pioneer® Seeds	7398 Queen's Line, Chatham, ON, N7M 5L1 Website: www.pioneer.com
SeCan Association	400-300 Terry Fox Drive, Kanata, ON, K2K 0E3 Tel: 1-866-797-7874 Fax: 613-592-9497 Website: www.secan.com
Snobelen Seeds	323 Havelock St, Lucknow, ON, N0G 2H0 Tel: 519-528-2092 Internet: www.snobelengrain.com
University of Guelph, OAC Research Innovation Office (RIO)	50 Stone Rd E, Guelph, ON, N1G 2W1 tel: 1-519-824-4120 ext 58488
University of Guelph, Ridgetown Campus	120 Main St E., Ridgetown, ON, N0P 2C0 tel: 1-519-674-1500