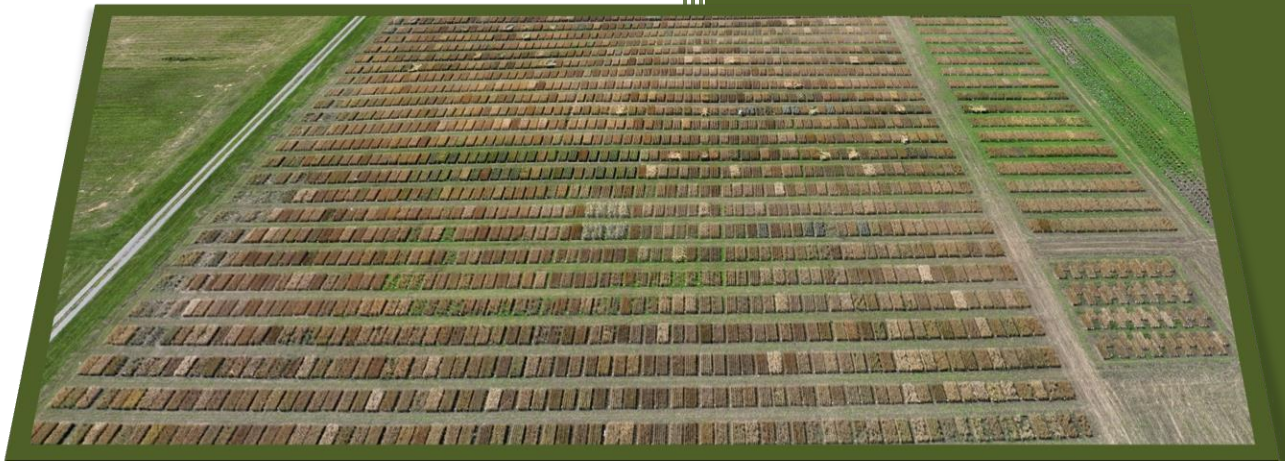


# 2023

## Ontario Winter Wheat Performance Trials

Data collected 2023

[www.gocereals.ca](http://www.gocereals.ca)



Conducted by the Ontario Cereal Crop Committee  
Current as of August, 2023

## **General Information:**

Cereal Performance Trials are conducted annually by the Ontario Cereal Crops Committee (OCCC). For more information about the OCCC, go to [GoCereals.ca](http://GoCereals.ca) website under “About Us”.



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

“Intensive” 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, W. Use of HARV in Variety Trial Summaries](#). 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 therefore 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 for that crop or previous years’ performance trial reports. Head to Head comparisons on [GoCereals.ca](http://GoCereals.ca) website give multi-year data for all trait characteristics.

Plant Breeders’ Rights Status;   indicates varieties protected under PBR 91 or PBR78. Visit [pbrfacts.ca](http://pbrfacts.ca) to learn more.

### Abbreviations:

- JD = Julian Days (days for January 1<sup>st</sup>)
- 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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# 2023

## Ontario Winter Wheat Performance Trials



















Conducted by the Ontario Cereal Crop Committee ♦ [www.gocereals.ca](http://www.gocereals.ca)

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## Ontario Cereal Crop Committee Performance Trials 2023

**Table 1 - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 1 & 2 Combined**

Class	Variety	5 Year	4 Year	3 Year	2 Year	2023
sww	Ava	98 <sup>2</sup>	99	98	99	99
	25W38 (awned) 	105	105	105	102	103
srw	Branson 	98	98	97	97	97
	25R40 (awned) 	103	103	104	103	102
	Marker	100	100	99	100	101
	UGRC Ring (awned) 	100	100	98	99	96
	Cruze (awned)	98	98	97	99	98
	B654SRW 	99	99	98	98	97
	25R61 (awned) 	100	100	99	101	101
	25R74 (awned) 	101	101	101	102	101
	Blaze (awned)	103	104	103	103	101
	Hilliard (awned) 	106	106	108	106	106
	OAC Constellation (awned) 	102	102	103	102	100
	Swoop			101	103	103
	B700SRW (awned) 			100	100	98
	OAC Moon (awned) 			103	103	104
	UGRC Comet 				98	98
	OAC Virgo 				104	104
	OAC Twilight 					99
	25R64 (awned) 					102
	25R29 (awned) 					103
	hrw	PRO 81 (awned) 	103	103	103	103
Adrianus (awned) 		105	106	106	104	106
Means (t/ha)		7.08	7.11	7.16	7.57	7.30
Means (bu/ac)		105	106	107	113	109
Location-years		25	24	18	11	7



















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

<sup>2</sup> 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 PBR78. Visit [pbrfacts.ca](http://pbrfacts.ca) to learn more.



## Ontario Cereal Crop Committee Performance Trials 2023

### Table 1a - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 1 & 2 Combined, Intensive

Class	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2023 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava	95 <sup>2</sup>	101	96	101	95	100	96	101	96	101
	25W38 (awned) 	103	108	103	108	103	109	101	106	101	108
srw	Branson 	95	101	94	101	94	101	95	99	95	99
	25R40 (awned) 	100	106	101	105	101	107	101	105	101	105
	Marker	97	103	97	103	96	103	98	104	98	104
	UGRC Ring (awned) 	96	102	96	101	95	102	97	103	93	100
	Cruze (awned)	95	103	96	103	95	103	97	103	96	103
	B654SRW 	96	103	95	102	94	102	95	101	94	100
	25R61 (awned) 	96	104	97	104	97	105	100	105	98	103
	25R74 (awned) 	98	104	99	104	99	104	99	103	100	102
	Blaze (awned)	101	108	102	108	100	108	100	106	99	106
	Hilliard (awned) 	103	107	103	107	104	109	102	106	103	107
	OAC Constellation (awned) 	99	104	99	104	99	104	99	103	97	101
	UGRC Comet 							95	100	95	101
	Swoop					98	104	100	106	100	108
	B700SRW (awned) 					97	106	98	104	95	101
	OAC Moon (awned) 					101	109	101	109	102	110
	OAC Twilight 									94	96
OAC Virgo 							101	106	101	105	
25R64 (awned) 									100	109	
25R29 (awned) 									101	108	
hrw	PRO 81 (awned) 	100	102	100	102	99	101	99	100	100	103
	Adrianus (awned) 	103	106	104	107	103	106	102	105	103	106
Means (t/ha)		6.91	7.38	6.94	7.39	7.10	7.61	7.34	7.78	6.98	7.45
Means (bu/ac)		103	110	103	110	106	113	109	116	104	111
Location-years		17		16		13		8		5	



















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

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

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## Ontario Cereal Crop Committee Performance Trials 2023

### Table 2 - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 1

Class	Variety	4 Year	3 Year	2 Year	2023
sww	Ava	96 <sup>2</sup>	95	97	98
	25W38 (awned) 	106	107	105	105
srw	Branson 	97	97	97	98
	25R40 (awned) 	103	103	102	103
	Marker	99	98	99	99
	UGRC Ring (awned) 	100	99	100	96
	Cruze (awned)	99	99	102	100
	B654SRW 	98	96	96	97
	25R61 (awned) 	102	102	104	104
	25R74 (awned) 	103	102	101	102
	Blaze (awned)	105	103	103	103
	Hilliard (awned) 	104	106	103	104
	OAC Constellation (awned) 	100	101	98	96
	Swoop		98	99	100
	B700SRW (awned) 		103	103	100
	OAC Moon (awned) 		104	103	105
	UGRC Comet 			97	98
	OAC Virgo 			103	102
	OAC Twilight 				94
	25R64 (awned) 				107
	25R29 (awned) 				105
hrw	PRO 81 (awned) 	102	101	101	103
	Adrianus (awned) 	106	106	104	105
Means (t/ha)		6.98	7.18	7.37	7.14
Means (bu/ac)		104	107	110	106
Location-Years		11	8	5	3



















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

<sup>2</sup> Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the

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## Ontario Cereal Crop Committee Performance Trials 2023

### Table 2a - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 1 Intensive

Class	Variety	4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2023 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava	95 <sup>2</sup>	97	93	96	96	98	97	98
	25W38 (awned) 	105	108	105	110	105	107	104	109
srw	Branson 	96	99	95	99	96	98	97	98
	25R40 (awned) 	102	105	102	105	101	102	102	103
	Marker	97	100	97	100	98	102	98	102
	UGRC Ring (awned) 	98	100	97	101	99	101	95	98
	Cruze (awned)	98	103	97	102	101	104	100	103
	B654SRW 	96	99	95	98	95	96	96	96
	25R61 (awned) 	100	103	101	104	104	104	104	101
	25R74 (awned) 	101	104	101	103	100	101	101	100
	Blaze (awned)	104	107	101	106	103	105	102	105
	Hilliard (awned) 	103	106	104	107	102	104	103	105
	OAC Constellation (awned) 	99	102	99	103	97	99	95	96
	UGRC Comet 					96	100	97	100
	Swoop			97	101	99	102	100	104
	B700SRW (awned) 			101	106	102	103	99	101
	OAC Moon (awned) 			103	107	103	106	105	107
	OAC Twilight 							93	90
	OAC Virgo 					102	104	101	102
	25R64 (awned) 							106	110
	25R29 (awned) 							105	108
hrw	PRO 81 (awned) 	101	100	100	99	100	98	102	101
	Adrianus (awned) 	106	108	105	107	103	105	104	106
Means (t/ha)		6.94	7.17	7.18	7.44	7.37	7.53	7.14	7.29
Means (bu/ac)		103	107	107	111	110	112	106	108
Location-Years		10		8		5		3	

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

<sup>2</sup> 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 Committee Performance Trials 2023

Table 2b - Winter Wheat, Varietal Characteristics<sup>1</sup>, Area 1

Class	Variety	Fusarium Data			Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Winter Survival (%)	Lodging (0-9) <sup>3</sup>	Height (cm)	Heading Date (JD)	Maturity Date (JD)	Leaf Rust (0-9) <sup>3</sup>
		Combined Fusarium Rating <sup>2</sup>	Don Rating <sup>2</sup>	Years									
sww	Ava	MS	S	6	72.4	10.4	31.7	94	0.0	94	152	186	0.5
	25W38	S	S	4	71.0	11.2	32.7	93	0.0	77	150	186	3.8
srw	Branson	S	MS	6	74.7	11.0	34.4	91	1.4	80	148	184	0.0
	25R40	S	S	6	73.9	10.7	35.3	91	0.3	75	150	185	2.0
	Marker	S	MS	6	74.8	11.1	34.0	95	1.6	82	148	185	0.0
	UGRC Ring	MS	MS	6	73.9	11.1	35.6	91	0.6	89	150	185	0.0
	Cruze	MS	MS	6	75.2	11.4	32.0	94	0.4	79	150	187	1.0
	B654SRW	S	MS	6	74.3	10.3	34.2	97	1.4	89	150	184	0.0
	25R61	MS	MS	6	74.2	11.1	32.9	98	0.5	89	150	185	2.8
	25R74	MS	MS	6	74.0	11.9	29.2	95	0.4	76	149	185	0.0
	Blaze	MS	MS	5	74.1	11.6	35.6	98	0.5	84	151	185	0.0
	Hilliard	MS	S	4	74.1	11.2	32.8	98	0.1	82	148	186	0.0
	OAC Constellation	S	S	3	75.6	11.3	35.0	93	0.5	79	149	184	1.0
	UGRC Comet	MS	MS	3	73.5	11.1	34.9	91	0.1	81	150	185	0.0
	Swoop	MS	MS	2	75.0	10.6	34.3	97	1.0	90	150	184	0.0
	B700SRW	MR	MR	2	74.8	11.5	33.7	98	0.4	79	149	185	0.0
	OAC Moon	MS	S	2	73.3	11.2	28.9	98	0.6	82	148	185	0.0
	OAC Twilight	--	--	--	75.4	11.4	35.7	95	1.6	91	147	184	0.0
	OAC Virgo	S	MS	1	75.7	10.6	34.6	96	0.5	84	150	185	0.0
25R64	--	--	--	72.0	10.8	31.7	91	0.0	78	152	185	0.0	
25R29	--	--	--	74.3	10.9	34.5	94	0.0	83	151	186	1.3	
hrw	PRO 81	MS	MS	5	77.9	12.9	35.9	98	0.0	93	151	186	0.0
	Adrianus	S	HS	4	76.7	12.7	44.0	97	0.0	88	153	187	0.0
Means					74.4	11.2	34.1	95	0.5	84	150	185	0.5
Locations					3	3	3	3	2	3	3	2	1

<sup>1</sup> See 'Head to Head' comparisons on GoCereals.ca website for multi-year data for trait characteristics.

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



















<sup>3</sup> For ratings 0-9, a high score is undesirable.

 PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit pbrfacts.ca to learn more.





## Ontario Cereal Crop Committee Performance Trials 2023

### Table 3 - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 2

Class	Variety	5 year	4 year	3 year	2 year	2023
sww	Ava	100 <sup>2</sup>	100	100	100	101
	25W38 (awned) 	103	103	103	99	101
srw	Branson 	99	98	98	97	97
	25R40 (awned) 	103	103	104	104	102
	Marker	101	101	100	101	102
	UGRC Ring (awned) 	100	101	98	99	97
	Cruze (awned)	97	97	96	97	96
	B654SRW 	100	99	99	100	98
	25R61 (awned) 	98	98	96	99	98
	25R74 (awned) 	99	99	100	102	101
	Blaze (awned)	103	103	102	102	100
	Hilliard (awned) 	108	108	110	109	108
	OAC Constellation (awned) 	104	104	104	106	104
	UGRC C2-5			98	98	101
	UGRC GL164			102	103	103
	Swoop			104	105	105
	B700SRW (awned) 			98	98	96
	OAC Moon (awned) 			102	103	102
	UGRC Comet 				99	98
	OAC Virgo 				104	105
	OAC Twilight 					103
	25R64 (awned) 					98
25R29 (awned) 					101	
hrw	PRO 81 (awned) 	104	104	105	104	104
	Adrianus (awned) 	105	105	105	105	107
	Hudson					97
Means (t/ha)		7.15	7.21	7.15	7.72	7.40
Means (bu/ac)		106	107	106	115	110
Location-Years		14	13	10	6	4



















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

<sup>2</sup> 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 Committee Performance Trials 2023

### Table 3a - Winter Wheat, Cumulative Yield Indices<sup>1</sup>, Area 2 Intensive

Class	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2023 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava	96 <sup>2</sup>	106	97	106	97	106	97	105	96	105
	25W38 (awned) 	100	108	99	109	99	109	95	105	96	107
srw	Branson 	94	104	92	103	92	104	92	101	91	100
	25R40 (awned) 	98	107	99	106	100	109	101	110	98	108
	Marker	97	107	98	107	96	107	98	107	97	107
	UGRC Ring (awned) 	93	104	93	103	92	103	94	105	92	104
	UGRC C2-5					96	106	95	107	98	111
	Cruze (awned)	92	104	91	103	91	103	91	102	90	102
	UGRC GL164					100	106	101	108	103	111
	B654SRW 	97	110	95	109	94	109	94	108	90	106
	25R61 (awned) 	91	106	92	106	90	106	93	107	90	106
	25R74 (awned) 	94	104	94	104	95	105	98	106	98	106
	Blaze (awned)	98	110	98	111	97	111	96	108	93	107
	Hilliard (awned) 	103	109	103	109	104	111	103	110	103	110
	OAC Constellation (awned) 	99	106	99	106	99	107	101	109	101	108
	UGRC Comet 							94	102	93	101
	Swoop					101	110	102	114	101	114
	B700SRW (awned) 					91	106	92	105	90	102
OAC Moon (awned) 					97	110	100	112	99	114	
OAC Twilight 									97	106	
OAC Virgo 							100	109	100	110	
25R64 (awned) 									90	109	
25R29 (awned) 									95	109	
hrw	PRO 81 (awned) 	99	103	99	104	98	104	96	103	96	105
	Adrianus (awned) 	100	104	101	105	100	105	100	105	101	106
	Hudson									95	100
Means (t/ha)		6.87	7.64	6.95	7.72	6.99	7.84	7.29	8.14	6.76	7.67
Means (bu/ac)		102	114	103	115	104	117	108	121	101	114
Location-Years		7		6		5		3		2	

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

<sup>2</sup> 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 Committee Performance Trials 2023


Table 3b - Winter Wheat, Varietal Characteristics<sup>1</sup>, Area 2

Class	Variety	Fusarium Data			Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Lodging (0-9) <sup>3</sup>	Height (cm)	Heading Date (JD)	Powdery Mildew (0-9) <sup>3</sup>	Leaf Rust (0-9) <sup>3</sup>	Stripe Rust (0-9) <sup>3</sup>	Straw Yield Index
		Combined Fusarium Rating <sup>2</sup>	Don Rating <sup>2</sup>	Years										
sww	Ava	MS	S	6	73.7	10.8	35.3	1.6	98	156	4.1	3.0	3.3	108
	25W38	S	S	4	73.4	11.7	35.6	0.0	71	155	1.0	2.3	0.0	100
srw	Branson	S	MS	6	74.1	11.6	33.4	0.0	77	154	3.6	3.8	2.0	95
	25R40	S	S	6	74.9	11.1	37.7	0.0	70	156	1.9	1.5	2.8	96
	Marker	S	MS	6	74.3	11.3	33.1	0.0	80	154	4.2	3.3	1.8	90
	UGRC Ring	MS	MS	6	74.5	11.4	38.2	0.3	85	155	4.6	2.8	3.0	90
	UGRC C2-5	MS	MS	3	72.6	10.8	38.0	2.8	94	158	3.8	2.3	5.5	114
	Cruze	MS	MS	6	75.8	11.6	32.8	0.3	76	155	4.8	4.0	3.3	94
	UGRC GL164	HS	S	4	75.5	11.1	29.0	0.8	78	155	3.4	1.0	4.0	99
	B654SRW	S	MS	6	73.5	10.7	34.5	0.7	89	155	5.4	2.5	1.0	94
	25R61	MS	MS	6	74.5	11.5	31.6	0.1	85	155	5.0	1.3	4.8	93
	25R74	MS	MS	6	75.1	11.4	29.9	0.0	72	154	2.4	2.3	1.0	93
	Blaze	MS	MS	5	74.5	11.4	36.0	0.1	83	156	3.5	3.8	0.0	94
	Hilliard	MS	S	4	74.3	11.3	33.5	0.3	81	155	1.3	2.8	0.0	110
	OAC Constellation	S	S	3	75.7	11.3	34.3	0.1	79	154	1.7	0.8	0.5	106
	UGRC Comet	MS	MS	3	73.8	11.7	33.4	0.0	77	154	3.8	3.3	0.8	89
	Swoop	MS	MS	2	75.0	10.7	34.2	1.8	89	156	4.1	3.0	0.5	107
	B700SRW	MR	MR	2	74.0	11.4	33.4	0.0	75	155	5.5	3.0	4.3	89
	OAC Moon	MS	S	2	73.5	11.4	27.7	0.0	79	154	4.5	4.0	1.0	100
	OAC Twilight	--	--	--	75.5	10.9	35.1	0.5	88	153	3.8	2.0	3.8	104
	OAC Virgo	S	MS	1	76.3	11.0	37.1	0.1	83	155	2.9	4.3	0.5	87
	25R64	--	--	--	71.3	11.1	31.7	0.0	75	157	4.4	2.0	0.5	94
25R29	--	--	--	74.6	11.0	37.1	0.0	78	157	5.2	2.8	3.3	94	
hrw	PRO 81	MS	MS	5	79.3	13.0	36.2	1.1	93	155	0.9	2.3	0.0	111
	Adrianus	S	HS	4	77.1	12.3	43.6	0.3	88	158	0.7	1.0	0.5	135
	Hudson	--	--	--	77.5	12.5	42.0	3.1	102	156	1.8	2.0	2.0	115
Means					74.8	11.4	34.8	0.5	83	155	3.4	2.6	1.9	4.30 t/ha
Locations					4	3	4	3	4	4	3	1	1	1

<sup>1</sup> See 'Head to Head' comparisons on GoCereals.ca website for multi-year data for trait characteristics.

















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

<sup>3</sup> For ratings 0-9, a high score is undesirable.

 PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit pbrfacts.ca to learn more.



## Ontario Cereal Crop Committee Performance Trials 2023

### Table 4 - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 3

Class	Variety	4 year	3 year	2 year	2023
srw	Branson 	101 <sup>2</sup>	100	100	102
	25R40 (awned) 	105	105	107	109
	Marker	97	97	96	101
	UGRC Ring (awned) 	99	98	95	92
	UGRC C2-5	100	100	98	101
	UGRC GL164	100	99	99	101
	B654SRW 	101	100	100	100
	25R61 (awned) 	103	103	103	102
	25R74 (awned) 	101	101	102	101
	Blaze (awned)	101	101	101	101
	OAC Constellation (awned) 	99	100	99	100
	Swoop		102	103	101
	Hilliard (awned) 			100	99
	UGRC Comet 			100	100
	OAC Moon (awned) 			103	103
	OAC Virgo 			102	100
	B700SRW (awned) 				101
	25R64 (awned) 				102
	25R29 (awned) 				102
hrw	PRO 81 (awned) 	98	99	99	94
	Adrianus (awned) 	99	100	98	93
	Hudson				96
Means (t/ha)		7.94	8.28	8.42	8.42
Means (bu/ac)		118	123	125	125
Location-Years		10	9	6	3

















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

<sup>2</sup> Cultivar yield rankings may vary from year to year. Decisions are best made using data with the greatest

  PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit [pbrfacts.ca](http://pbrfacts.ca) to learn more.

## Ontario Cereal Crop Committee Performance Trials 2023

### Table 4a - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 3 Intensive

Class	Variety	4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2023 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes
srw	Branson 	100 <sup>2</sup>	110	96	110	93	113	98	110
	25R40 (awned) 	105	109	105	111	106	114	109	107
	Marker	91	101	89	102	84	104	96	105
	UGRC Ring (awned) 	99	107	93	104	88	103	90	102
	UGRC C2-5	95	103	93	104	89	105	95	104
	UGRC GL164	98	103	97	105	95	105	100	102
	B654SRW 	96	107	91	105	90	109	93	106
	25R61 (awned) 	102	109	102	112	101	114	98	104
	25R74 (awned) 	97	104	96	106	94	107	98	111
	Blaze (awned)	99	103	97	105	95	108	99	110
	Hilliard (awned) 					91	104	95	106
	OAC Constellation (awned) 	94	103	93	107	90	109	96	109
	UGRC Comet 					91	110	93	109
	Swoop			98	107	95	110	96	106
	B700SRW (awned) 							96	109
	OAC Moon (awned) 					97	112	99	113
	OAC Virgo 					98	111	95	104
	25R64 (awned) 							95	109
	25R29 (awned) 							99	114
hrw	PRO 81 (awned) 	92	99	91	100	87	100	79	91
	Adrianus (awned) 	92	95	91	97	87	96	80	91
	Hudson							92	98
Means (t/ha)		6.80	7.36	7.32	8.22	7.57	8.79	8.37	9.39
Means (bu/ac)		101	109	109	122	113	131	125	140
Location-Years		4		3		2		1	

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

















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

  PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit [pbrfacts.ca](http://pbrfacts.ca) to learn more.

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Ontario Cereal Crop Committee Performance Trials 2023



Table 4b - Winter Wheat Varietal Characteristics<sup>1</sup>, Area 3

Class	Variety	Fusarium Data			Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Winter Survival (%)	Lodging (0-9) <sup>3</sup>	Height (cm)	Heading Date (JD)	Maturity Date (JD)	Powdery Mildew (0-9) <sup>3</sup>	Straw Yield Index
		Combined Fusarium Rating <sup>2</sup>	Don Rating <sup>2</sup>	Years										
srw	Branson 	S	MS	6	78.1	11.4	34.7	83	1.7	79	155	188	1.0	96
	25R40 	S	S	6	78.3	11.0	39.0	92	0.4	72	156	190	0.3	101
	Marker	S	MS	6	78.0	11.3	34.1	94	2.6	78	155	187	1.3	85
	UGRC Ring 	MS	MS	6	77.3	11.7	39.2	63	0.8	81	157	191	2.8	79
	UGRC C2-5	MS	MS	3	75.0	11.2	42.4	80	1.3	89	160	191	0.3	118
	UGRC GL164	HS	S	4	79.5	11.0	31.4	80	0.7	81	155	190	0.7	94
	B654SRW 	S	MS	6	77.7	10.8	37.8	81	2.3	86	156	188	2.5	114
	25R61 	MS	MS	6	77.5	11.2	33.7	91	0.8	82	156	187	1.0	99
	25R74 	MS	MS	6	78.1	11.4	30.5	88	0.0	70	155	189	0.2	92
	Blaze	MS	MS	5	77.3	11.4	37.6	87	0.3	82	157	189	0.5	95
	Hilliard 	MS	S	4	77.4	11.3	35.0	80	0.2	77	157	190	0.2	100
	OAC Constellation 	S	S	3	78.4	11.1	36.5	84	0.3	75	156	188	0.0	102
	UGRC Comet 	MS	MS	3	78.0	11.6	33.6	83	0.8	79	154	188	0.8	85
	Swoop	MS	MS	2	77.1	10.5	35.5	80	1.8	84	156	189	1.8	107
	B700SRW 	MR	MR	2	78.9	11.2	36.4	84	0.7	76	155	189	1.8	88
	OAC Moon 	MS	S	2	76.8	11.2	29.9	87	0.1	78	154	190	1.7	99
	OAC Virgo 	S	MS	1	78.5	10.8	35.2	90	0.9	80	155	188	0.5	108
	25R64 	--	--	--	75.4	10.8	34.3	87	0.0	71	158	191	0.2	99
25R29 	--	--	--	77.8	11.0	38.1	84	0.2	75	158	191	1.0	79	
hrw	PRO 81 	MS	MS	5	81.4	12.9	35.6	86	0.3	82	158	190	0.0	122
	Adrianus 	S	HS	4	78.1	12.0	42.7	83	0.8	77	160	192	0.2	111
	Hudson	--	--	--	80.7	12.7	42.8	84	0.4	91	157	187	0.2	127
Means					78.0	11.3	36.2	84	0.8	79	156	189	0.9	5.42 t/ha
Locations					3	3	3	2	3	2	3	2	2	1

<sup>1</sup> See 'Head to Head' comparisons on GoCereals.ca website for multi-year data for trait characteristics.















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

<sup>3</sup> For ratings 0-9, a high score is undesirable.

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## Ontario Cereal Crop Committee Performance Trials 2023

### Table 5 - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 5

Class	Variety	4 Year	3 Year	2 Year	2023
srw	Branson 	102 <sup>2</sup>	103	103	106
	Marker	104	104	103	106
	B654SRW 	108	109	108	105
	Blaze (awned)	104	105	107	104
	25R40 (awned) 		108	108	104
	UGRC C2-5		106	101	100
	UGRC GL164		100	97	87
	25R61 (awned) 		106	107	108
	25R74 (awned) 		97	99	96
	Swoop		104	106	104
	Hilliard (awned) 			100	100
	OAC Virgo 			106	106
	OAC Constellation (awned) 				102
	UGRC Comet 				103
	B700SRW (awned) 				109
	OAC Moon (awned) 				104
25R29 (awned) 				115	
hrw	PRO 81 (awned) 	95	92	93	89
	Adrianus (awned) 	83	77	69	67
	Hudson				91
Means (t/ha)		7.62	7.44	7.79	8.10
Means (bu/ac)		113	111	116	120
Location-Years		8	6	4	2

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















<sup>2</sup> Cultivar yield rankings may vary from year to year. Decisions are best made using data with the

  PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit [pbrfacts.ca](http://pbrfacts.ca) to learn more.





## Ontario Cereal Crop Committee Performance Trials 2023

### Table 5a - Winter Wheat Cumulative Yield Indices<sup>1</sup>, Area 5

Class	Variety	4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2023 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes
srw	Branson 	95 <sup>2</sup>	104	93	103	91	102	99	99
	25R40 (awned) 			111	113	112	112	106	107
	Marker	100	103	98	103	97	102	100	104
	UGRC C2-5			99	99	98	95	100	102
	UGRC GL164	103	107	97	99	95	95	92	102
	B654SRW 			102	108	102	106	101	107
	25R61 (awned) 			102	103	101	102	98	102
	25R74 (awned) 			100	102	102	101	101	100
	Blaze (awned)	106	106	107	108	111	109	104	103
	Hilliard (awned) 					106	106		
	OAC Constellation (awned) 							102	100
	UGRC Comet 							95	96
	Swoop			105	111	103	109	98	108
	B700SRW (awned) 							106	107
OAC Moon (awned) 							102	103	
OAC Virgo 							102	103	
25R29 (awned) 							111	111	
hrw	PRO 81 (awned) 	97	97	94	95	96	98	93	89
	Adrianus (awned) 	89	92	85	90	83	88	90	98
	Hudson							94	94
Means (t/ha)		8.64	8.85	8.42	8.65	8.78	8.95	8.86	9.11
Means (bu/ac)		129	132	125	129	131	133	132	136
Location-Years		4		3		2		1	















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

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

  PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit [pbrfacts.ca](http://pbrfacts.ca) to learn more.

Ontario Cereal Crop Committee Performance Trials 2023


Table 5b - Winter Wheat Varietal Characteristics<sup>1</sup>, Area 5

Class	Variety	Fusarium Data			Test Weight (kg/hL)	Protein (%)	1000 Kernel Weight (g)	Winter Survival (%)	Lodging (0-9) <sup>3</sup>	Height (cm)	Heading Date (JD)	Maturity Date (JD)
		Combined Fusarium Rating <sup>2</sup>	Don Rating <sup>2</sup>	Years								
srw	Branson 	S	MS	6	75.8	11.0	32.5	97	1.1	86	160	202
	25R40 	S	S	6	76.9	10.6	37.5	91	0.5	82	163	204
	Marker	S	MS	6	76.2	10.9	32.8	97	2.5	85	160	202
	UGRC C2-5	MS	MS	3	72.6	10.9	36.0	93	5.0	98	166	204
	UGRC GL164	HS	S	4	76.2	11.0	27.9	76	3.5	84	161	204
	B654SRW 	S	MS	6	76.2	10.0	33.7	100	3.4	100	162	204
	25R61 	MS	MS	6	76.2	11.1	31.4	92	0.0	90	161	203
	25R74 	MS	MS	6	76.4	10.9	29.5	96	0.8	83	160	203
	Blaze	MS	MS	5	76.9	10.8	37.5	86	0.0	90	162	205
	Hilliard 	MS	S	4	76.7	11.0	33.7	86	0.4	86	161	204
	OAC Constellation 	S	S	3	77.8	10.8	34.8	98	1.8	86	161	203
	UGRC Comet 	MS	MS	3	75.8	11.3	32.2	95	0.5	88	160	203
	Swoop	MS	MS	2	76.5	10.3	34.3	84	3.1	94	164	205
	B700SRW 	MR	MR	2	76.8	10.5	33.2	91	1.1	86	162	204
	OAC Moon 	MS	S	2	74.5	11.0	27.4	98	0.4	84	160	204
	OAC Virgo 	S	MS	1	77.2	10.5	35.1	93	0.8	87	162	205
25R29 	--	--	--	75.9	10.3	35.6	99	0.4	87	165	208	
hrw	PRO 81 	MS	MS	5	80.4	12.8	34.7	62	0.5	93	164	207
	Adrianus 	S	HS	4	73.9	12.8	36.0	61	0.0	76	165	208
	Hudson	--	--	--	79.3	12.9	41.2	86	3.9	101	162	203
Means				76.4	11.1	33.9	89	1.5	88	162	204	
Locations				2	1	2	2	2	2	2	2	

<sup>1</sup> See 'Head to Head' comparisons on GoCereals.ca website for multi-year data for trait characteristics.



















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

<sup>3</sup> For ratings 0-9, a high score is undesirable.



 PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit pbrfacts.ca to learn more.

## Ontario Cereal Crop Committee Performance Trials 2023

### Table 6a - Ontario Winter Wheat Distributors

Class <sup>1</sup>	Variety	Distributor
sww	Ava	Brevant® Seeds
	25W38 (awned) 	Pioneer® Seeds
srw	Branson 	Brevant® Seeds
	25R40 (awned) 	Pioneer® Seeds
	Marker	Snobelen Farms
	UGRC Ring (awned) 	Elite Seeds
	UGRC C2-5	Semican Inc
	Cruze (awned)	C & M Seeds
	UGRC GL164	Semican Inc
	B654SRW 	Brevant® Seeds
	25R61 (awned) 	Pioneer® Seeds
	25R74 (awned) 	Pioneer® Seeds
	Blaze (awned)	C & M Seeds
	Hilliard (awned) 	C & M Seeds
	OAC Constellation (awned) 	SeCan Association
	UGRC Comet 	Ridgetown Campus, U. of Guelph
	Swoop	C & M Seeds
	B700SRW (awned) 	Brevant® Seeds
	OAC Moon (awned) 	SeCan Association
	OAC Twilight 	University of Guelph
OAC Virgo 	SeCan Association	
25R64 (awned) 	Pioneer® Seeds	
25R29 (awned) 	Pioneer® Seeds	
hrw	PRO 81 (awned) 	C & M Seeds
	Adrianus (awned) 	C & M Seeds
	Hudson	Semican Inc

<sup>1</sup> sww = soft white winter, srw = soft red winter, hrw = hard red winter.

  PBR Status; indicates varieties protected under PBR 91 or PBR78. Visit [pbrfacts.ca](http://pbrfacts.ca) to learn more.

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## Ontario Cereal Crop Committee Performance Trials 2023

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

Distributor	Address
Brevant® Seeds	c/o Corteva Agriscience, Box 730, 7398 Queen's Line, Chatham, ON, N7M 5L1 Website: <a href="http://www.brevant.ca">www.brevant.ca</a>
C&M Seeds	6180 5th Line, Palmerston, ON, N0G 2P0 Tel: 1-888-733-9432 Website: <a href="http://www.redwheat.com">www.redwheat.com</a>
Elite Seeds	Available through your local Agromart Website: <a href="http://www.eliteseeds.ca">www.eliteseeds.ca</a>
Pioneer® Seeds	c/o Corteva Agriscience, Box 730, 7398 Queen's Line, Chatham, ON, N7M 5L1 Website: <a href="http://www.pioneer.com">www.pioneer.com</a>
SeCan Association	400-300 Terry Fox Drive, Kanata, ON, K2K 0E3 Tel: 1-866-797-7874 Fax: 613-592-9497 Website: <a href="http://www.secan.com">www.secan.com</a>
Semican Inc	50 Boulevard Industriel, Princeville, QC, G6L 4P2 Tel: 1-819-362-8823 Website: <a href="http://www.semican.ca">www.semican.ca</a>
Snobelen Seeds	323 Havelock St, Lucknow, ON, N0G 2H0 Tel: 519-528-2092 Internet: <a href="http://www.snobelengrain.com">www.snobelengrain.com</a>
University of Guelph, Ridgetown Campus	120 Main St E., Ridgetown, ON, N0P 2C0 tel: 1-519-674-1500