

Technical Bulletin

Genes that fit your farm.



Emperor Soft Red Winter Wheat



Description

Awnless soft red winter wheat with an average heading date and excellent milling quality

Characteristics

- Moderately susceptible rating to fusarium
- Moderately resistant rating to Don

- Good lodging resistance

Management

- Suited to Areas I and II of Ontario
- Smaller seed size makes for efficient seeding costs

Ontario Winter Wheat Performance Trial – Cumulative Yield Indices¹, Intensive Trials Summary for Area I & II Combined², OCCC, August 2018

Class ³	Variety	5-Year Index Fungicides		4-Year Index Fungicides		3-Year Index Fungicides		2-Year Index Fungicides		2018 Index Fungicides	
		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
sww	Ava							96 ⁴	103	99	100
	E0028W									103	102
	25W31 (awned)			93	104	91	102	91	104	100	100
	Branson	102	108	103	108	104	108	104	109	104	105
	Wave	93	101	92	102	92	102	90	102	98	101
	CM614	100	106	100	107	100	107	100	108	104	105
	Secord (awned)	98	107	98	108	99	108	98	109	102	105
	25R40 (awned)	104	110	105	110	106	110	105	111	103	102
	Emperor 	94	106	93	106	93	106	91	106	103	105
	Marker	101	108	100	108	101	108	100	108	103	103
	UGRC Ring (awned)	100	109	100	109	101	109	98	108	99	102
	25R46 (awned)			87	105	85	106	85	106	100	102
	Cruze (awned)			97	106	97	106	94	106	97	102
	DS572SRW			98	112	98	112	98	113	107	108
	Drew (awned)					89	104	87	104	95	98
Measure (awned)							99	103	97	101	
B654SRW					105	110	105	111	104	107	
B743SRW					100	105	99	105	96	97	
25R61 (awned)							94	109	104	107	
25R74 (awned)							104	108	104	104	
hrw	AC Morley	92	99	93	99	92	97	93	100	96	98
	Priesley	100	104	99	104	100	105	98	105	99	102
	Gallus (awned)	95	99	95	100	97	100	94	98	94	95
	JDC78 (awned)					98	105	97	106	99	101
	Arnold (awned)							88	93	93	93
	Lexington (awned)									94	95
efw	Frontenac									102	101
Means (t/ha)		5.85	6.41	5.76	6.35	5.95	6.53	5.68	6.31	5.83	5.96
Means (bu/ac)		87	95	86	94	89	97	84	94	87	89
Location-years		23		19		15		10		4	

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

² Area I and II combined: see map of areas on www.gocereals.ca website.

³ sww = soft white winter, srw = soft red winter, hww = hard white winter, hrw = hard red winter, efw = eastern feed winter

⁴ Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

Fungicide treatments included a T1 application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

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