

# Ontario Soft White Winter Wheat

## Technical Information



### ONTARIO WHEAT

Ontario wheat producers have a history of innovation and the experience in wheat production to meet the quality demands of both domestic and international markets. Our producers have been growing high quality wheat for over fifty years.

Ontario wheat is graded by international grade standards that ensure our shipments of grain consistently meet contract specifications for quality, safety, and quantity.

Ontario is situated between the Great Lakes and the St. Lawrence River Basin, and our temperature climate and fertile soils are key components to producing top quality hard red winter wheat.

Because of Ontario's size and varied geography, its producers grow several varieties of wheat: from soft wheat in the southwest to hard wheat in the east and the north. Ontario's wheat production is supported by our proximity to strong transportation infrastructure (highways, rail lines, and river access to ocean ports) and an ample supply of energy sources.

### 2018 CANADA EASTERN SOFT WHITE WINTER WHEAT

Quality data for Canada Eastern white wheat composites representing Ontario's soft white winter (SWW) wheat are shown in the table on page 2. Wheat protein (10.8%) is the highest over the last 10 years as a result of hot and dry weather in Ontario this summer.

This season's SWW falling number (395 seconds) and flour amylograph peak viscosity values (632 BU) are both higher than average indicating low levels of sprouting and enzyme activity. Cookie spread factor is average. Clean milling yield from the 2018 composite samples is 73.9%.

### CANADA EASTERN SOFT WHITE WINTER WHEAT - EXPORT GRADE SPECIFICATIONS\*

	No. 2 CESWW	No. 3 CESWW	CE FEED
Minimum test weight, kg/hL	74	69	65
Total foreign material including other cereal grains	2.0	3.0	10
Fusarium damage, %	1.0	1.0	5
Heated, %	0.25	0.75	2.50
Total shrunken & broken, %	5	8	no limit max 50% broken
Smudge, %	1	3	no limit
Total smudge and blackpoint, %	15	35	no limit
Sprouted, %	5	8	no limit

\* abridged from the Canadian Grain Commission's Official Grain Grading Guide  
For complete official grain standards, see <http://www.grainscanada.gc.ca/oggg-gocg/04/oggg-gocg-4f-eng.htm#m>.

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### CANADA EASTERN SOFT WHITE WINTER WHEAT

Quality data for 2018 harvest survey grade 2 or better composite samples

#### WHEAT (13.5% M.B.)

Test Weight	79.9 kg/hL
Weight Per 1000 Kernels	28.7 g
Protein	10.8 %
Protein Loss on Milling	2.0 %
Falling Number	395 sec
Milling Yield - clean basis	73.9 %
Milling Yield - 0.50% ash basis	75.8 %

#### FLOUR (14% M.B.)

Protein	8.9 %
Amylograph Peak Viscosity	632 BU
Ash Content	0.5 %
Colour, CIELAB L*	91.7
Colour, CIELAB a*	-1.7
Colour, CIELAB b*	9.4
Starch Damage	20.0 UCD
Solvent retention capacity - water	53 %
Solvent retention capacity - lactic acid 5%	100 %
Solvent retention capacity - sucrose 50 %	93 %
Solvent retention capacity - sodium carbonate 5%	78 %

#### FARINOGRAPH

Absorption	52.6 %
Dough Development Time	1.8 min
Mixing Tolerance Index	106 BU
Stability	3.5 min

#### ALVEOGRAPH

P	29 mmH <sub>2</sub> O
Length (L)	107 mm
P/L	0.3
W	59 10 <sup>-4</sup> J

#### COOKIE TEST

Cookie, sugar snap - width	74.2 mm
Cookie, sugar snap - width	9.3 mm
Cookie, sugar snap - width	8.0
Cookie, sugar snap - width	80.1 mm

Testing was conducted at the Grains Analytical Testing Laboratory in Guelph, Ontario, a joint venture between Grain Farmers of Ontario and SGS Canada. For a complete description of methodology used, please contact Paolo Santangelo, Commercial Manager at [paolo.santangelo@sgs.com](mailto:paolo.santangelo@sgs.com).

WHEN YOU NEED TO BE SURE

**SGS**