



Wheat, No. 3 Canada Western Red Spring - Buhler laboratory mill - no protein segregate

Quality parameter ¹	2014		2013
	Western Prairies ²	Eastern Prairies ³	Prairie composite ⁴
Wheat			
Test Weight, kg/hL	78.4	79.7	81.1
Weight Per 1000 Kernels, g	33.2	33.1	35.7
Protein Content, %	13.6	13.6	13.4
Protein Content, % (dry matter basis)	15.7	15.7	15.4
Ash Content, %	1.57	1.59	1.60
Falling Number, sec	395	390	405
Milling Flour Yield			
Clean wheat basis, %	75.0	74.6	74.8
0.50% Ash basis, %	77.5	77.1	77.3
Flour (74% extraction)			
Protein Content, %	12.8	12.6	12.5
Wet Gluten Content, %	34.8	33.9	35.6
Ash Content, %	0.45	0.45	0.45
Starch Damage, %	7.0	7.7	7.6
Amylograph Peak Viscosity, BU	405	390	475
Farinogram			
Absorption, %	63.0	63.3	65.3
Dough Development Time, min	6.50	5.25	5.25
Stability, min	8.5	7.5	7.5
Mixing Tolerance Index, BU	30	35	30
Extensogram (135 minutes)			
Maximum Resistance, BU	464	399	323
Extensibility - Length, cm	21.3	24.2	21.4
Area, cm ²	129	128	93
Alveogram			
P (height x 1.1), mm	94	92	103
Length, mm	92	109	93
W, x 10 ⁻⁴ joules	296	328	309
Baking (Canadian Short Process)			
Absorption, %	67	67	69
Mixing time, min	4.5	4.9	3.8
Mixing energy, W-h/kg of dough	11.4	13.2	9.6
Loaf volume, cm ³ /100 g flour	1010	1000	990

¹ Data are reported on a 13.5% moisture basis for wheat and a 14.0% moisture basis for flour.

² Western Prairies includes BC, AB, western SK (crop regions 5, 7-10) - see crop region map

³ Eastern Prairies includes eastern SK and MB (crop regions 1-4, 6) - see crop region map

<http://www.grainscanada.gc.ca/wheat-ble/harvest-recolte/2014/wheat-ble-cwrs-en.htm>

⁴ Prairie composite of 2013 crop was remilled on the Buhler laboratory mill along with the composites of 2014 crop