



Wheat, No. 2 Canada Western Red Spring - Buhler laboratory mill - 12.5% protein segregate

Quality parameter ¹	2014		2013
	Western Prairies ²	Eastern Prairies ³	Prairie composite ⁴
Wheat			
Test Weight, kg/hL	79.9	80.4	81.8
Weight Per 1000 Kernels, g	33.1	33.2	36.3
Protein Content, %	12.7	12.9	12.7
Protein Content, % (dry matter basis)	14.7	14.9	14.7
Ash Content, %	1.56	1.62	1.57
Falling Number, sec	410	400	435
Milling Flour Yield			
Clean wheat basis, %	75.3	75.0	74.8
0.50% Ash basis, %	78.8	77.5	78.3
Flour (74% extraction)			
Protein Content, %	12.0	11.9	11.9
Wet Gluten Content, %	32.9	32.4	33.4
Ash Content, %	0.43	0.45	0.43
Starch Damage, %	7.0	7.6	7.9
Amylograph Peak Viscosity, BU	570	460	600
Farinogram			
Absorption, %	62.3	62.6	64.9
Dough Development Time, min	6.75	5.00	5.50
Stability, min	10.0	8.0	8.0
Mixing Tolerance Index, BU	30	30	30
Extensogram (135 minutes)			
Maximum Resistance, BU	519	393	367
Extensibility - Length, cm	19.9	22.2	20.8
Area, cm ²	132	113	98
Alveogram			
P (height x 1.1), mm	95	92	112
Length, mm	114	116	86
W, x 10 ⁻⁴ joules	357	341	326
Baking (Canadian Short Process)			
Absorption, %	66	67	69
Mixing time, min	4.8	5.4	4.1
Mixing energy, W-h/kg of dough	11.9	14.3	9.8
Loaf volume, cm ³ /100 g flour	1010	1000	1015

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