Table 31. 2009 Preliminary B Winter Wheat Yield Trial Mill & Bake (Exp. 37)
Location: Means Across Locations

Sample No. (x = in 2011 tests)	Variety	Pedigree	Class	PPO	Single kernel hardness	Wheat Protein, % (12%m.b.)	Flour Yield, %	Flour Protein, % (14%m.b.)	L* Brightness	a* Green - Red	b* Blue - Yellow	Wheat Ash, %	Flour Ash, %	Mixing Tolerance	Mixo Mixing Time, min	Mixo Water Absorption, %	Bake Mixing Time, min	Bake Water Absorption, %	Loaf Volume
1	**Yellowstone**	check	HRW	**0.795***	70.4	12.3	**71.3***	10.9	90.5	-1.18	9.9	1.27	0.44	4.5	8.2	62.1	12.6	72.5	1063
2	**NuSky**	check	HWW	**0.429***	80.0	12.8	**70.9***	11.2	90.4	-1.29	10.2	1.31	0.45	3.5	6.8	61.1	8.2	71.5	1003
3	**Neeley**	check	HRW	1.121	67.0	12.4	69.2	11.1	90.5	-1.46	10.7	1.27	**0.43***	4.0	5.1	61.6	7.3	71.3	1003
4	**Jagalene**	check	HRW	1.277	67.7	**13.8****	**71.9***	**12.0****	90.5	-1.23	9.9	1.43	**0.42***	3.0	4.4	63.4	6.1	73.3	1120
5	**CDC Falcon**	check	HRW	1.187	68.2	**13.1***	67.6	**11.5***	90.8	-1.06	8.8	1.30	0.45	3.0	5.6	60.8	7.5	70.7	1080
6	**MT08136**	MT9982*2/MT9904	HRW	1.509	65.0	12.1	**70.3***	10.8	90.5	-1.40	10.6	1.29	0.44	4.5	6.4	61.1	11.8	72.5	1055
7	**MT08146**	MT9982*2/MT9904	HRW	1.195	70.3	12.4	**71.8***	10.9	90.6	-1.28	10.3	1.37	**0.43***	3.5	6.1	61.3	11.1	71.0	1098
8	**MTW08168**	MTW0047/2*MT9982	HWW	**0.388****	72.7	12.5	**70.3***	11.1	90.7	-1.58	11.4	1.29	0.44	3.5	6.8	61.4	10.7	71.1	1023
9	**MT08172**	MT9982*2/BZ9W96-895	HRW	0.942	69.3	12.6	**71.7***	11.2	90.7	-1.27	10.6	1.38	**0.42***	6.0	9.0	64.0	14.5	**74.9***	1053
10	**MT08177**	MT9982*2/BZ9W96-895	HRW	1.330	82.0	12.7	69.9	**11.2***	90.3	-1.62	11.8	1.33	0.45	4.5	10.9	62.8	14.1	**74.0***	1068
11	**MT08180**	MT9982*2/BZ9W96-895	HRW	1.282	78.8	**13.3***	69.8	**11.6***	90.3	-1.41	11.5	1.42	0.46	5.0	12.4	65.1	16.1	**76.8****	1023
12	**MT08181**	MT9982*2/BZ9W96-895	HRW	**0.725***	70.4	12.4	71.5	11.1	90.5	-1.24	10.4	1.32	**0.42***	4.5	10.1	63.9	15.0	**74.3***	1108
13	**MT08186**	Yellowstone (L) plant seln	HRW	**0.408***	69.2	12.5	**71.7***	11.1	90.2	-1.02	9.8	1.38	0.44	4.0	9.7	63.4	15.3	**74.4***	1050
14	**MT08189**	Yellowstone (L) plant seln	HRW	**0.433***	77.0	12.5	**71.2***	11.1	90.5	-1.41	10.8	1.35	**0.43***	4.0	10.0	63.3	15.9	73.0	1103
15	**MT0990**	Yellowstone (Loppo) plant select	HRW	**0.491***	73.6	12.6	**70.7***	11.1	90.6	-1.14	9.9	1.35	0.43	5.0	8.1	63.1	14.3	**73.8***	1038
16	**MT0993**	Yellowstone (Loppo) plant select	HRW	**0.470***	67.2	12.2	**72.0****	10.9	90.6	-1.17	9.9	1.33	0.43	4.5	8.5	63.6	13.5	**73.8***	1095
17	**MT0994**	MT9951//91X30E19-7/(SD97W6	HRW	1.329	66.5	11.7	67.4	10.0	91.3	-1.49	9.9	1.27	**0.41****	3.5	8.2	59.8	10.7	69.8	978
	Average			**0.901**	**71.5**	**12.6**	**70.5**	**11.1**	**90.6**	**-1.31**	**10.4**	**1.33**	**0.43**	**4.1**	**8.0**	**62.4**	**12.0**	**72.9**	**1056**
	LSD (0.05)			**0.459**	**3.8**	**0.8**	**2.0**	**0.8**	**ns**	**0.20**	**0.6**	**ns**	**0.02**	**1.1**	**3.5**	**ns**	**2.9**	**3.1**	**ns**
	C.V.			**24.1**	**2.5**	**3.1**	**1.4**	**3.3**	**0.3**	**7.1**	**2.9**	**4.7**	**2.2**	**12.2**	**20.7**	**2.4**	**11.3**	**2.0**	**4.3**
	P-Value			**0.000**	**<.0001**	**0.022**	**0.003**	**0.036**	**0.219**	**0.000**	**<.0001**	**0.334**	**0.007**	**0.002**	**0.008**	**0.117**	**<.0001**	**0.014**	**0.157**