

Table 28. 2009 Preliminary A Winter Wheat Yield Trial Mill & Bake (Exp. 36)

Location: Means Across Locations

Sample No. x = in 2011 tests	Variety	Pedigree	Class	PPO	Wheat Protein, %		Flour Protein, % (14% m.b.)		L* Brightness	a* Green - Red	b* Blue - Yellow	Wheat Ash, %	Flour Ash, %	Mixing Tolerance	Mixing Time, min		Bake Water Absorption, %		Loaf Volume
					Single kernel hardness	Flour Yield, %	Flour Yield, %	Flour Yield, %							Mixing Time, min	Bake Mixing Time, min	Bake Water Absorption, %	Bake Water Absorption, %	
1	Yellowstone	check	HRW	0.971	71.2	12.3	72.2*	10.9	90.4	-1.25	9.8	1.39	0.42	4.5	6.2	64.3	11.5	75.5**	1070
2	NuSky	check	HWW	0.458*	72.1	12.6	72.6*	11.0	90.6	-1.49	10.2	1.39	0.42	3.0	4.3	62.1	6.7	72.0	1010
3	Neeley	check	HRW	0.774	63.2	12.8	72.0	11.3	90.5	-1.41	10.6	1.37	0.42	3.5	3.9	62.2	5.4	71.9	1063
4	Jagalene	check	HRW	1.190	62.6	13.9**	73.2**	12.2	89.9	-1.13	10.0	1.39	0.41*	3.0	3.8	64.0	5.5	74.0*	1178**
5	CDC Falcon	check	HRW	1.241	66.0	13.2*	69.9	11.6	90.5	-0.88	8.5	1.37	0.43	2.5	3.5	62.4	6.2	71.6	1113*
6	MT0948	BigSky*2/MT9982	HRW	1.196	61.1	12.6	72.1	11.4	90.2	-1.39	11.1	1.31	0.43	4.0	5.9	62.6	8.6	73.6*	1133*
7	MT0949	BigSky/MT9982//MT00156	HRW	0.722	51.4	13.4*	70.3	11.6	90.7	-1.46	10.3	1.37	0.40*	3.5	4.8	62.9	7.5	72.9	1125*
8	MT0950	BigSky/MT9982//MT00156	HRW	0.665	53.6	13.6*	70.6	11.7	91.1	-1.46	9.9	1.42	0.39**	3.5	5.1	63.5	7.4	73.4*	1088
9	MT0951	BigSky/MT9982//MT00156	HRW	0.740	64.3	11.9	72.6*	10.7	90.6	-1.43	10.4	1.39	0.41*	4.5	4.8	62.1	7.5	71.8	1078
10	MT0954	MT9982//Paul/94X151E40	HRW	0.401**	75.5	12.1	71.7	10.7	90.5	-1.51	10.8	1.48	0.40*	3.5	5.3	62.1	7.9	72.0	1098
11	MT0966	MT0057/KS98HW183	HRW	0.890	67.5	13.5*	69.4	12.0	90.9	-1.48	10.2	1.44	0.41*	3.5	5.6	63.6	10.7	73.3*	1128*
12	MT0972	MT0074//((HD4232/89)/MT9710	HRW	0.934	73.9	13.1*	72.3	11.7	90.5	-1.29	10.4	1.47	0.42	3.0	4.2	63.7	7.5	73.4*	1090
13	MT0974	95CAM012/Morgan//MT00143	HRW	1.428	72.6	13.3*	72.9*	11.9	90.2	-1.49	11.3	1.48	0.41*	3.0	3.5	63.2	4.0	71.9	1115*
14	MT0977	MT9982//MTW0072/NW97S151	HRW	0.532*	87.1	12.5	72.8*	11.4	89.9	-1.19	10.8	1.41	0.45	4.0	4.4	63.2	6.0	73.2	1115*
15	MT0978	MT9982//MTW0072/NW97S151	HRW	0.532*	80.6	12.6	71.7	11.3	90.1	-1.15	10.4	1.38	0.45	3.0	3.5	62.0	4.2	70.7	1078
16	MTW0980	MT0057/Trego//MTW0047	HWW	0.584*	67.9	12.4	72.0*	11.0	90.8	-1.71	11.1	1.37	0.42	3.5	3.9	61.8	6.3	71.5	1055
17	MTW0981	MTW0047//MTW9911/NW97S1:	HWW	0.479*	62.8	13.6*	71.2	11.8	90.5	-1.30	10.4	1.35	0.44	5.0	5.0	63.8	9.9	73.5*	1158*
Average				0.808	67.8	12.9	71.7	11.4	90.5	-1.35	10.4	1.40	0.42	3.6	4.6	62.9	7.2	72.7	1099
LSD (0.05)				0.223	8.0	1.1	1.1	ns	0.5	0.19	0.6	ns	0.02	ns	1.0	ns	2.4	2.2	78
C.V.				14.2	5.5	4.0	0.7	3.7	0.3	6.7	2.6	4.1	2.5	18.7	10.7	1.5	16.0	1.4	3.4
P-Value				<.0001	<.0001	0.037	<.0001	0.056	0.003	<.0001	<.0001	0.305	0.000	0.094	0.000	0.256	0.000	0.033	0.046