Table 5. 2009 Means across 4 locations (Exp. 35) Intrastate Winter Wheat Nursery - Mill & Bake and Noodle Data

							Flour Color					Mixograph			Test Bake			
VARIETY	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, %	Tolerance	Mixing Time Min	Water Absorption%	Mixing Time Min	Water Absoption%	Loaf Volume	Crumb Grain Score
Accipiter	HRW	1.222	71.8	12.6	68.5	11.2	90.7	-1.06	9.1	1.28*	0.43	3.8	5.4	62.3	9.0	71.8	1104*	7.5
AP 503 CL2	HRW	1.183	69.5	13.3	68.6	11.4	90.8	-1.19	9.5	1.32*	0.40	3.5	4.7	62.5	6.4	72.3	1133*	7.3
Bynum (CL)	HRW	0.895	65.0	14.3**	72.6*	13.0*	90.6	-1.61	11.2	1.34	0.40*	2.3	4.5	64.7	8.5	74.4	1115*	7.8
Carter	HRW	0.969	73.1	13.6	70.6	12.0	90.2	-1.29	10.5	1.29*	0.41	4.3	6.9	64.6	14.1	75.4	1119*	8.0
CDC Falcon	HRW	1.342	62.2	13.1	68.0	11.5	90.9	-1.05	8.8	1.30*	0.43	3.5	4.6	61.6	9.0	71.6	1101*	7.5
Curlew	HRW	0.412*	68.7	12.9	71.6*	11.6	90.5	-1.69	12.0	1.30*	0.40*	2.5	4.2	63.1	6.3	72.0	1104*	7.5
Decade	HRW	1.208	67.1	13.8*	69.8	12.2	90.7	-0.99	8.5	1.28*	0.39**	4.5	8.0	67.3**	18.9	77.5**	1128*	7.8
Genou	HRW	0.994	70.4	13.1	71.0	11.9	91.1	-1.40	9.6	1.25*	0.40*	4.3	5.1	63.2	11.2	73.3	1123*	7.5
Hyalite (CL)	HWW	0.442*	70.0	13.4	68.6	11.8	90.7	-1.30	9.8	1.28*	0.41	4.0	5.1	62.5	7.6	72.3	1038	7.8
Jagalene	HRW	1.222	71.2	13.3	72.2*	11.8	90.4	-1.34	10.7	1.31*	0.40*	3.5	4.2	63.1	6.5	73.1	1119*	7.8
Ledger	HRW	1.130	63.0	12.6	72.7*	11.4	90.7	-1.62	11.3	1.31*	0.39*	3.3	5.0	62.1	9.4	71.9	1099*	8.0
MT06103	HRW	1.065	69.2	13.6*	71.6*	12.0	90.8	-1.56	11.2	1.32*	0.41	4.5	6.1	64.1	11.4	75.2	1061	8.0
MT0861	HRW	0.926	67.6	13.5	70.7	12.2	90.9	-1.32	9.7	1.35	0.40*	4.3	7.7	64.7	12.9	74.5	1109*	8.0
MTS0532	HWW	1.215	63.8	13.4	69.5	11.7	90.6	-1.47	10.7	1.31*	0.39*	3.8	5.8	63.0	10.5	73.2	1115*	7.5
MTS0705	HRW	1.028	59.7	13.4	70.0	11.9	91.2	-1.70	10.7	1.31*	0.39*	4.0	8.3	64.9	18.5	74.8	1114*	7.5
MTS0713	HRW	1.151	74.5	13.3	68.7	11.8	90.5	-1.45	10.8	1.31*	0.41	3.8	5.8	62.8	8.1	72.5	1148*	7.5
MTS0721	HRW	1.040	70.4	13.4	70.6	11.7	90.8	-1.45	10.1	1.25**	0.41	2.5	4.6	62.6	8.1	73.1	1050	7.3
Neeley	HRW	0.929	66.9	12.6	68.7	11.1	90.8	-1.46	11.0	1.31*	0.42	4.3	5.0	62.3	6.3	72.2	1051	7.8
NI04421	HRW	1.026	63.9	12.4	69.5	10.9	91.0	-1.37	9.8	1.32*	0.40*	3.5	6.0	61.4	8.8	71.6	1021	7.8
Norris (CL)	HRW	0.889	67.7	13.0	69.9	11.2	90.6	-1.58	11.0	1.30*	0.40*	4.0	4.9	62.3	8.0	72.7	1051	8.0
Overland	HRW	0.951	68.2	13.4	69.9	11.7	90.6	-1.23	9.7	1.43	0.41	2.3	3.3	63.0	3.3	69.9	989	6.0
Peregrine	HRW	1.115	78.8	12.5	70.8	11.2	90.5	-1.19	10.1	1.28*	0.41	3.5	6.1	61.7	9.1	71.4	1036	7.8
Promontory	HRW	0.321**	70.6	12.0	71.9*	10.8	90.5	-1.77	12.2	1.26*	0.41	3.0	4.5	61.3	6.1	71.2	1054	7.8
Pryor	HRW	0.972	74.5	12.0	70.7	10.7	90.6	-1.39	10.4	1.27*	0.40*	2.3	3.2	60.7	5.0	68.5	1024	7.0
Radiant	HRW	1.109	68.3	12.9	70.9	11.6	90.9	-1.51	10.6	1.28*	0.41	4.0	5.6	63.0	10.9	73.2	1110*	8.0
Rampart	HRW	0.863	67.8	14.0*	71.9*	12.7*	90.5	-1.54	11.1	1.28*	0.42	3.5	5.4	64.8	11.3	75.1	1150**	8.0
Settler CL	HRW	1.145	66.5	12.8	69.5	11.2	90.8	-1.16	9.2	1.35	0.39*	3.8	5.9	62.5	9.6	72.3	985	8.0
Wahoo	HRW	1.086	69.3	13.0	69.2	11.4	90.5	-1.24	10.3	1.37	0.41	3.5	4.8	62.4	6.4	72.1	1028	6.3
Yellowstone	HRW	0.805	74.9	12.7	70.7	11.2	90.7	-1.09	10.0	1.27*	0.41	5.5	8.4	62.9	14.0	74.1	1079	8.0
Average		0.988	68.8	13.1	70.3	11.6	90.7	-1.38	10.3	1.30	0.40	3.6	5.5	63.0	9.5	72.9	1081	7.6
LSD (0.05)		0.270	4.6	0.7	1.3	0.6	0.3	0.11	0.3	0.08	0.01	1.0	1.3	1.7	3.1	2.0	64	0.7
C.V.		19.4	4.8	3.8	1.3	3.7	0.2	5.8	2.2	4.6	2.2	20.0	16.4	1.9	23.2	2.0	4.2	6.9
P-Value		<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001