Table 24. 2012 Sawfly Winter Wheat Nursery Mill & Bake (Exp. 58)
Location: Means Across Locations

Sample No. x = lines in 2014 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	**Genou**	check	HRW	0.368	82.5	14.7	**64.0***	**13.3***	90.2	-1.66	11.6	1.62	**0.40***	4.7	5.5	65.6	10.2	75.5	1193
2	**Yellowstone**	check	HRW	**0.268***	86.5	14.0	**64.2***	12.5	89.8	-1.40	11.4	1.58	0.42	4.7	11.2	65.6	15.7	75.8	1153
3	**Rampart**	check	HRW	0.355	85.9	15.2	**63.9***	**13.6***	89.7	-1.74	12.8	1.62	0.42	3.7	6.8	65.2	11.6	75.4	1190
4	**Decade**	check	HRW	0.372	82.9	14.5	62.5	13.1	90.2	-1.16	9.7	1.70	**0.41***	5.3	10.5	**67.3***	18.4	**77.7***	1163
5	**Judee**	(Montana, 2011)	HRW	0.341	82.1	14.7	61.4	**13.3***	89.9	-1.46	11.3	1.66	0.42	4.3	6.4	64.4	9.3	74.4	**1252***
6	**Bearpaw**	(Montana, 2011)	HRW	0.333	84.1	13.9	**64.0***	12.6	90.0	-1.44	10.9	**1.45****	0.42	4.3	5.0	62.3	6.7	72.1	1107
7	**MTS0808**	MT9908//Nuplains/MTS9862	HRW	0.356	93.4	13.9	62.1	12.4	89.5	-1.46	11.7	1.62	0.44	3.7	5.3	61.8	7.2	72.1	1097
8	**WB-Quake**	(WestBred, 2011)	HRW	0.404	80.1	14.5	**65.2***	13.1	89.9	-1.62	12.0	1.63	0.42	3.7	5.5	63.8	9.5	73.7	1213
9	**MTS0826-63**	MT9524/G15048//Rampart	HRW	0.325	80.3	15.8	**64.5***	**14.2****	89.9	-1.91	13.0	1.74	**0.41***	4.7	10.1	**69.7****	25.4	**79.6****	**1305****
10	**MTCS1201**	96X17E69/3/MTCL0309/CDC Teal	HRW	0.305	82.1	14.1	**63.7***	12.8	90.1	-1.94	12.9	1.68	**0.40***	4.0	5.5	61.0	7.1	70.9	1142
11	**MTCS1202**	96X17E69/3/MTCL0309/CDC Teal	HRW	0.408	77.6	14.2	63.1	12.7	90.2	-1.86	12.5	1.61	**0.40****	4.0	5.0	63.5	6.2	73.2	1117
12	**MTCS1203**	MTCL0510/4/Paul/3/98X96C16cl/C	HWW	0.304	79.0	13.8	**64.3***	12.3	90.4	-1.89	12.3	**1.51***	**0.40***	4.0	5.3	62.5	7.5	72.4	1093
13	**MTCS1204**	MTCL0510/4/Paul/3/98X96C16cl/C	HRW	0.379	83.5	13.7	**64.5***	12.1	90.1	-1.87	12.6	**1.51***	**0.41***	3.7	5.8	61.1	7.1	71.0	1102
14	**MTS1209**	MTS0362/TX95V5314//95X144E23	HRW	0.446	86.0	14.4	61.0	12.7	90.0	-1.64	12.3	1.70	0.43	4.3	5.0	63.5	7.9	73.2	1145
15	**MTS1211**	Wahoo/MTR9997//MTS0358	HRW	0.443	76.0	14.0	**64.4***	12.6	90.3	-1.77	12.4	1.59	0.42	2.7	4.2	61.7	6.1	71.4	1060
16	**MTS1214**	Wahoo/MTR9997//MTS0358	HRW	0.463	75.6	14.1	**64.6***	12.7	90.3	-1.75	12.4	**1.57***	0.42	3.0	4.4	62.7	6.0	72.2	1070
17	**MTS1222**	MTS0340//MTS0361/Jerry	HRW	**0.294***	86.9	14.3	62.0	12.5	90.1	-1.38	10.8	1.64	0.42	4.0	6.1	61.9	8.3	71.8	1118
18	**MTS1224**	Yellowstone//MTS0112/MTS0125	HRW	**0.239****	86.7	13.8	**65.2****	12.3	89.5	-1.86	13.7	1.60	**0.41***	5.0	7.0	65.6	13.6	75.5	1203
19	**MTS1226**	95X23E98/MTW02123	HRW	**0.246***	88.6	14.8	60.9	13.0	89.1	-1.87	14.0	**1.55***	0.44	3.7	4.7	64.9	6.2	74.3	1192
20	**MTS1228**	MT9982*4/MTS0222	HRW	0.370	84.1	14.2	**64.9***	12.7	89.6	-1.85	13.4	1.65	0.43	4.3	8.4	65.9	14.0	**76.4***	1165
	Average			**0.351**	**83.2**	**14.3**	**63.5**	**12.8**	**89.9**	**-1.68**	**12.2**	**1.61**	**0.42**	**4.1**	**6.4**	**64.0**	**10.2**	**73.9**	**1154**
	LSD (0.05)			**0.061**	**5.3**	**ns**	**1.9**	**1.0**	**0.4**	**0.13**	**0.7**	**0.12**	**0.01**	**1.3**	**1.2**	**3.1**	**2.9**	**3.3**	**74**
	C.V.			**10.6**	**3.8**	**5.4**	**1.8**	**4.8**	**0.2**	**4.6**	**3.5**	**4.6**	**1.9**	**19.5**	**11.6**	**2.9**	**17.3**	**2.7**	**3.9**
	P-Value			**<.0001**	**<.0001**	**0.203**	**<.0001**	**0.033**	**<.0001**	**<.0001**	**0.005**	**<.0001**	**0.042**	**<.0001**	**<.0001**	**<.0001**	**<.0001**	**<.0001**	**<.0001**