

Table 23. 2009 Sawfly Winter Wheat Nursery Mill & Bake (Exp. 58)
Location: Means Across Locations

Sample No. x = lines in 2011 tests	Variety	Pedigree	Class	PPO	Single kernel hardness	Wheat Protein, % (12% <i>m.b.</i>)	Flour Yield, %	Flour Protein, % (14% <i>m.b.</i>)	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	Crumb Grain Score	
1	Rampart	check	HRW	1.005	71.1	13.9**	71.8*	12.7**	91.1	-1.68	10.7	1.31	0.40*	4.0	5.2	64.4	12.2	74.8*	1175	7.0	
2	Genou	check	HRW	1.134	74.0	13.1*	70.6*	11.8*	91.3	-1.47	9.4	1.29	0.40*	3.5	4.9	63.3	11.4	72.5	1113	8.0	
3	CDC Falcon	check	HRW	1.625	64.0	12.9	66.2	11.3	91.1	-1.16	8.4	1.34	0.43	3.5	5.1	61.4	9.3	70.6	1105	7.5	
4	Rocky	check	HRW	0.998	77.2	13.0*	68.0	11.3	91.0	-1.53	10.4	1.38	0.42	3.5	6.6	64.0	11.3	73.9	1075	8.0	
5	Neeley	check	HRW	0.991	70.1	13.0*	69.5	10.9	90.8	-1.52	10.7	1.29	0.42	3.5	4.4	61.1	7.9	70.8	1083	8.0	
6	MTS0532	L'Govskaya 167/Rampart//MT9409	HWVW	1.406	67.5	13.6*	70.8*	12.3	90.5	-1.42	10.5	1.46	0.42	3.5	5.8	64.6	12.5	74.8*	1118	7.0	
7	MTS0705	MT9524/G15048//Rampart	HRW	0.896	59.9	13.3*	69.9*	11.9*	91.6	-1.76	10.1	1.36	0.39*	4.0	7.6	64.5	23.3	74.4	1148	8.5	
8	MTS0713	93X312E14/NuHorizon	HRW	1.070	72.2	13.1*	70.3*	11.7	91.0	-1.60	10.4	1.34	0.40*	3.5	6.1	62.6	8.7	72.3	1165	7.0	
9	MTS0721	DMS/Rampart//Pronghorn/3/2*Ram	HRW	0.966	73.1	13.5*	71.0*	12.0*	91.1	-1.53	9.6	1.30	0.40*	3.0	4.6	63.2	7.3	72.9	1113	8.0	
10	MTS0808	MT9908//Nuplains/MTS9862	HRW	1.176	84.3	13.2*	69.7*	11.7	90.7	-1.49	10.1	1.26	0.41	3.0	5.0	65.2*	6.4	74.9*	1143	7.5	
11	MTS0819	93X312E14/NuHorizon	HRW	1.091	83.4	12.4	70.2*	11.1	91.0	-1.78	10.9	1.31	0.39*	4.0	5.5	61.7	6.9	71.4	1133	6.5	
12	MTS0826	MT9524/G15048//Rampart	HRW	0.722	66.2	13.1*	72.1**	11.7	91.2	-1.95	11.0	1.28	0.39*	3.0	8.0	66.8*	25.3	77.0**	1110	7.5	
13	MTS0827	MT9524/G15048//Rampart	HRW	0.874	70.1	13.2*	71.4*	11.9*	91.2	-1.93	11.0	1.29	0.40*	2.0	8.1	67.4**	29.5	77.6*	1163	7.5	
14	MTS0832	92X73E70/MTW9911	HRW	0.936	82.0	11.6	70.1*	10.6	90.9	-1.74	10.6	1.28	0.39*	3.5	6.4	63.3	11.7	73.5	1145	8.5	
15	MTS0901	MTS0023//MTS009/Arrowsmith	HRW	1.085	65.8	12.6	68.9	11.1	91.4	-1.35	8.7	1.31	0.40*	4.5	6.1	63.1	13.7	74.1	1073	8.0	
16	MTS0915	Rampart//MT0057/KS98HW183	HRW	1.173	74.8	12.9	69.6	11.5	91.3	-1.43	9.3	1.31	0.42	4.0	4.9	63.2	7.3	72.9	1210	8.0	
17	MTS0916	MTS9882R//MT00155/KS98HW185	HRW	0.961	77.1	12.0	68.2	10.6	91.4	-1.66	10.1	1.33	0.39*	3.5	5.1	62.2	8.1	72.1	1050	8.0	
18	MTS0919	MTW0047/MT9982//MTS0023	HRW	1.350	73.4	12.3	70.9*	11.0	90.8	-1.39	9.6	1.31	0.40*	4.0	7.0	64.6	14.0	75.1*	1095	7.5	
19	MTS0921	MTS0023//NuHorizon/NuSky	HRW	0.540**	73.5	13.2*	72.1*	11.7	90.9	-1.36	9.6	1.36	0.38**	3.5	6.4	63.3	11.8	73.0	1060	7.0	
20	MTS0924	Paul/Genou	HRW	0.817	78.5	12.0	69.7	10.8	91.3	-1.18	8.6	1.30	0.41	3.5	5.6	62.9	11.0	72.9	1120	8.5	
21	MTS0925	Paul/Genou	HRW	1.027	75.8	12.2	69.2	10.9	91.3	-1.22	8.5	1.35	0.42	4.5	6.4	64.2	13.9	74.4	1120	8.5	
Average				1.040	73.0	12.8	70.0	11.4	91.1	-1.53	9.9	1.32	0.40	3.6	5.9	63.6	12.5	73.6	1120	7.7	
LSD (0.05)				0.465	9.5	0.9	2.6	0.9	0.5	0.20	0.5	ns	0.02	ns	1.8	2.7	7.7	2.9	ns	ns	
C.V.				21.4	6.3	3.5	1.8	3.8	0.2	6.3	2.3	5.3	3.0	21.1	14.6	2.0	29.6	1.9	4.3	12.4	
P-Value				0.0418	0.0021	0.0050	0.0204	0.0057	0.0169	<.0001	<.0001	0.6484	0.0121	0.4293	0.0069	0.0083	0.0002	0.0045	0.2233	0.7463	