

2013 WSU Variety Testing SW Winter Wheat Trial, Dayton

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
LWW-04-4009			136	138	60.5	10.8	38	155	0
ARS010729-1L				135	61.5	10.8	39	148	0
Mary	141	145	138	134	61.0	11.2	38	141	0
Tubbs 06	134	139	133	134	60.0	10.5	45	146	0
OR2071071 (Rosalyn)			134	134	58.7	10.2	38	149	0
SY Ovation				134	61.2	10.6	40	146	0
OR2080924				134	58.4	11.1	41	149	0
WB-528	144	146	137	133	61.5	11.1	40	143	0
LCS-Artdeco (NSA06-2153A)		156	144	133	59.5	10.2	38	139	0
WA 8173				132	59.5	10.7	41	150	0
Bruneau				131	61.2	11.0	42	150	0
OR2080641				131	59.5	11.0	41	147	0
Puma (WA 8134)		140	135	130	60.3	11.1	43	150	0
<i>Cara</i>	151	145	134	129	59.6	10.9	38	149	0
ARS-Amber		139	136	129	60.0	10.7	40	150	0
WB-1070CL				128	62.2	11.0	41	139	0
WA 8175				128	60.5	10.8	43	149	0
Legion				127	59.0	10.8	43	150	0
Xerpha	136	136	130	126	61.1	11.4	41	151	0
WA 8171				126	60.1	11.0	46	143	0
<i>ARS-Crescent</i>		139	133	126	59.6	10.9	40	152	0
WA 8153			132	125	60.8	11.3	41	148	0
AP Legacy				125	60.9	10.5	43	148	0
<i>Bruehl</i>	140	140	132	125	57.9	11.0	42	154	0
ARS-Selbu (ARS970161-3L)		146	135	125	61.6	11.4	43	146	0
Bobtail (OR0807P94)			135	125	58.4	10.2	38	147	0
Trifecta				124	61.2	11.4	40	144	0
03-29902A				124	60.6	11.2	41	151	0
JC1108				124	59.5	10.7	42	151	0
Kaseberg (OR2071628)		136	127	124	60.1	10.1	39	145	0
WA 8151			128	123	59.8	10.4	39	149	0
<i>Coda</i>	138	128	128	123	61.6	11.2	43	151	2
<i>4J071246-1C</i>				122	58.9	10.8	40	152	0
WB-Junction				122	60.7	10.8	38	144	0
WA 8176				122	59.9	10.3	39	151	0
<i>ARS98X402-1C</i>				121	60.4	10.8	39	150	0
Ladd (OR2070870)			129	121	60.5	11.4	39	148	0
LWW10-1018				120	59.6	10.5	37	150	0
Stephens	138	139	133	120	59.1	11.3	37	144	0
02-10606A				120	61.1	11.0	40	148	0
WA 8155			111	120	60.5	11.7	41	155	8
<i>ARS97230-6C</i>				119	59.0	11.3	37	150	0
Skiles	145	143	129	119	60.9	11.5	40	149	0
<i>ARS990077-1C</i>			129	119	60.1	10.9	38	153	0
WA 8172				118	59.4	11.3	47	146	13
WB 523				117	60.8	11.0	39	147	0
WB 456				117	61.0	11.9	39	141	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
Eltan	127	119	112	117	60.4	11.0	40	156	3
WA 8154			126	116	60.8	11.4	37	149	0
<i>ARS010780-3C</i>			123	116	59.9	11.9	39	154	0
ORCF-103	132	127	122	116	60.5	10.5	38	150	0
Masami	124	126	125	116	59.2	11.3	39	150	0
<i>ARS-Chrysal</i>		135	132	116	60.3	11.5	42	150	0
<i>ARS010746-2C</i>				115	59.1	11.8	34	151	0
AP 700 CL				114	60.1	11.0	39	147	0
WA 8174				112	60.1	10.7	44	147	0
Madsen	140	136	124	112	60.4	11.6	38	150	0
99-06202A				110	60.9	10.9	38	147	0
WA 8142		133	119	108	61.1	11.3	41	146	0
C.V. %	6	6	6	5	0.7	3.6	4	1	815
LSD (.10)	4	5	6	7	0.4	0.4	2	2	4
Average	137	138	130	124	60.2	11.0	40	148	0
Highest	151	159	144	138	62.2	11.9	47	156	13
Lowest	124	119	111	108	57.9	10.1	34	139	0

Dayton Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Dayton soft white winter wheat trial averaged 124 bushels/acre, 13 bushels/acre less than the 5-year average for this location. The Dayton nursery was located about 6 miles northwest of the town of Dayton, WA (J. Penner, Cooperator).

2. This nursery was seeded on 1 October, 2012 following spring wheat. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 175#N/acre pre-plant applied. Fall seeding conditions produced good emergence and stand establishment.

3. Yields ranged narrowly from 108 to 138 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 12 of the 59 entries in this trial. The OSU variety 'Mary' was the highest yielding named entry in the trial and 'Cara' is highest yielding in the 5-year average at this site. It is probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and fungicide was applied twice.

4. Test weights averaged 60.2 lbs./bu and ranged from 57.9 to 62.2 lbs./bu. Grain protein averaged 11.0% with a range of 10.1 to 11.9%. Plant height averaged 40 inches and some slight lodging was found.