

2013 WSU Variety Testing SW Winter Wheat Trial, Moses Lake

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 (%)	HEAD DATE
OR2080641				131	57.5	11.4	146
ARS010729-1L				131	58.6	11.5	147
OR2071071 (Rosalyn)			131	130	56.3	11.2	145
Bobtail (OR0807P94)			131	127	55.3	11.6	145
WB-1070CL				126	59.0	12.1	144
Bruneau				125	57.1	11.6	145
SY Ovation				124	58.0	10.8	145
<i>ARS010780-3C</i>			123	124	56.4	12.3	149
Mary	163	153	137	123	57.7	12.1	144
Puma (WA 8134)		147	128	121	58.5	11.1	145
AP 700 CL				120	55.7	12.4	146
<i>ARS97230-6C</i>				119	57.0	11.4	148
<i>ARS010746-2C</i>				117	54.8	14.1	147
WB 456				117	57.9	13.6	143
ARS-Selbu (ARS970161-3L)		137	121	117	57.4	12.9	147
03-29902A				117	57.6	11.0	148
WA 8153			129	116	58.3	11.3	146
Ladd (OR2070870)			124	116	57.8	12.4	147
WA 8176				115	56.9	11.5	148
LCS-Artdeco (NSA06-2153A)		144	126	115	57.0	11.0	144
WA 8142		138	124	114	58.2	12.7	144
WB 523				113	57.4	13.0	145
Skiles	143	136	119	112	56.8	12.8	147
OR2080924				111	54.7	12.3	147
LWW10-1018				111	54.9	11.3	147
Madsen	145	136	117	110	57.1	12.3	147
Trifecta				110	57.9	13.2	144
99-06202A				110	57.0	12.0	145
JC1108				107	54.9	13.0	148
AP Legacy				106	57.3	12.2	146
02-10606A				106	58.0	11.2	145
WA 8151			115	105	56.4	10.9	149
<i>Cara</i>	133	124	105	105	54.8	13.5	147
Kaseberg (OR2071628)		145	121	104	53.4	12.5	146
WA 8174				102	56.9	12.2	146
<i>ARS990077-1C</i>			113	102	55.3	13.1	149
<i>ARS98X402-1C</i>				102	54.8	12.2	147
WA 8173				102	56.7	12.8	146
WB-528	157	143	125	101	58.1	12.1	144
ARS-Amber		130	109	100	55.6	13.0	146
ORCF-103	135	125	97	100	55.2	12.6	149
WA 8154			114	99	57.5	13.0	146
WA 8171				99	56.4	11.4	146
WB-Junction				99	56.7	12.6	144
Tubbs 06	149	139	113	98	55.2	12.7	145
Xerpha	154	142	117	98	56.9	12.6	149
LWW-04-4009			114	96	58.6	12.1	149

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	HEAD DATE
<i>Coda</i>	132	122	103	96	58.4	12.3	149
<i>ARS-Crescent</i>		121	101	95	55.7	11.4	148
Legion				95	55.9	12.9	146
<i>ARS-Chrystal</i>		140	120	95	55.4	12.1	147
Stephens	153	140	113	93	55.8	12.5	144
WA 8175				91	56.0	12.1	148
WA 8172				90	55.3	12.3	145
<i>Bruehl</i>	140	126	104	89	52.7	13.0	148
WA 8155			93	87	57.3	11.9	149
<i>4J071246-1C</i>				86	54.5	12.2	148
Masami	133	130	103	85	53.9	11.3	150
Eltan	133	117	94	80	55.3	12.4	148
C.V. %	8	8	9	9	2.2	6.2	1
LSD (.10)	5	6	8	10	1.3	0.8	2
Average	148	138	116	107	56.5	12.2	146
Highest	165	158	137	131	59.0	14.1	150
Lowest	132	117	93	80	52.7	10.8	143

Moses Lake (Irrigated) Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Moses Lake soft white winter wheat trial averaged 107 bushels/acre, 41 bushels/acre less than the 5-year average for this location. The Moses Lake nursery was located about 5 miles southeast of Moses Lake, WA (J. Heilig, Cooperator).
2. This nursery was seeded on 17 October, 2012 following potatoes. Seed was placed at a 100#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 200#N/acre pre-plant applied. Fall seeding conditions produced good emergence and stand establishment.
3. Yields ranged from 80 to 131 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 10 of the 59 entries in this trial. The new OSU variety `Rosalyn' was the highest yielding named entry in the trial and `Mary' 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 with the herbicide application.
4. Test weights averaged 56.5 lbs./bu and ranged from 52.7 to 59.0 lbs./bu. Grain protein averaged 12.2% with a range of 10.8 to 14.1%. Plant height and lodging were not recorded.