

## 2013 WSU Variety Testing SW Winter Wheat Trial, Fairfield

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 (%)
Mary	--	80	77	98	59.2	9.9	29	160	0
<i>ARS-Crescent</i>	--	90	85	98	58.8	9.2	32	171	0
<i>Bruehl</i>	--	87	81	97	57.9	10.3	33	172	3
JC1108	--			91	58.5	10.0	34	166	23
Tubbs 06	--	73	72	90	58.4	9.7	32	162	0
WA 8155	--		77	87	60.4	9.6	36	167	0
<i>ARS98X402-1C</i>	--			87	58.9	10.4	29	164	0
Madsen	--	82	72	85	58.0	10.5	31	166	0
<i>Coda</i>	--	71	66	84	60.2	10.3	32	164	3
OR2080641	--			83	59.1	9.4	31	162	0
Trifecta	--			82	59.7	11.0	30	161	0
02-10606A	--			82	58.3	9.8	31	165	0
Skiles	--	78	70	81	59.1	11.1	30	163	3
<i>4J071246-1C</i>	--			81	58.0	10.3	32	173	3
Bruneau	--			81	58.5	9.9	30	166	0
WA 8172	--			81	58.4	9.8	34	161	0
Puma (WA 8134)	--	73	67	80	58.8	10.3	32	163	13
LCS-Artdeco (NSA06-2153A)	--	70	65	79	57.2	10.4	27	161	0
LWW10-1018	--			79	57.2	11.2	30	166	0
WA 8174	--			79	57.9	10.5	31	162	13
Eltan	--	80	72	79	60.0	9.9	31	169	35
WA 8173	--			79	57.1	10.5	27	163	0
ARS010729-1L	--			78	60.9	10.3	28	164	0
WA 8171	--			78	58.8	10.2	30	161	0
Stephens	--	64	61	78	58.1	11.2	27	161	0
AP 700 CL	--			77	59.0	10.7	32	160	0
99-06202A	--			77	58.9	10.7	30	163	2
03-29902A	--			77	58.1	10.5	30	165	0
OR2080924	--			76	56.4	10.1	32	164	0
WA 8175	--			76	58.5	10.2	30	164	3
ARS-Amber	--	77	66	76	58.8	10.0	32	165	5
<i>ARS-Chrysal</i>	--	76	67	75	59.2	11.0	32	168	0
LWW-04-4009	--		61	74	59.4	11.5	28	168	0
WA 8176	--			74	58.8	10.4	28	167	0
WA 8154	--		66	73	59.3	11.7	31	164	0
WA 8151	--		62	73	57.7	10.3	29	166	0
ARS-Selbu (ARS970161-3L)	--	70	62	72	59.5	10.9	29	165	0
AP Legacy	--			72	58.5	10.2	29	162	0
OR2071071 (Rosalyn)	--		63	72	56.9	10.8	28	164	0
SY Ovation	--			71	58.8	10.1	30	162	0
Bobtail (OR0807P94)	--		69	71	56.4	10.0	28	163	0
Ladd (OR2070870)	--		67	71	58.4	10.9	31	162	0
WA 8153	--		66	71	58.7	11.1	33	162	0
<i>Cara</i>	--	76	66	71	58.2	10.0	30	167	0
ORCF-103	--	78	70	71	60.2	10.2	35	165	0
Kaseberg (OR2071628)	--	70	63	70	57.8	9.9	27	162	2
WA 8142	--	72	64	70	59.8	11.2	31	160	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
<i>ARS010780-3C</i>	--		61	70	58.7	10.0	32	166	2
<b>Legion</b>	--			69	58.4	9.7	32	163	22
<b>Masami</b>	--	69	60	69	57.8	10.5	31	172	0
<b>WB-Junction</b>	--			69	59.8	11.1	30	159	0
<b>WB-528</b>	--	69	57	68	60.0	10.9	28	161	2
<i>ARS97230-6C</i>	--			67	60.1	10.7	30	166	0
<b>WB 456</b>	--			66	59.6	11.3	27	159	2
<i>ARS990077-1C</i>	--		64	65	58.6	10.4	31	172	0
<b>WB-1070CL</b>	--			64	<b>61.5</b>	11.9	29	159	0
<i>ARS010746-2C</i>	--			63	59.0	11.7	28	171	0
<b>WB 523</b>	--			60	59.8	11.4	27	162	0
<b>Xerpha</b>	--	73	61	59	58.4	10.5	30	166	0
<b>C.V. %</b>	--	10	10	11	1.2	7.0	8	1	297
<b>LSD (.10)</b>	--	4	5	9	0.7	0.8	2	2	7
<b>Average</b>	--	76	67	76	58.8	10.5	30	164	2
<b>Highest</b>	--	91	85	98	61.5	11.9	36	173	35
<b>Lowest</b>	--	64	57	59	56.4	9.2	27	159	0

### Fairfield Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Fairfield soft white winter wheat trial averaged 76 bushels/acre, equal to the 5-year average for this location. The Fairfield nursery was located about four miles west of Fairfield, WA (D. Degen, Cooperator).
2. This nursery was seeded on 24 October, 2012 following Chickpeas. Seed was placed at a 95#/acre seeding rate using a no till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base fertilizer was 114#N/acre applied through the drill. Fall seeding conditions were dry. Establishment and winter survival had some variability across the experiment that carried through to harvest.
3. Yields ranged from 59 to 98 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 5 of the 59 entries in this trial. `Mary' was the highest yielding named entry in the trial and `ARS-Crescent' was 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 no fungicide was applied. Results from this trial should be considered only with other data across similar environments because of variability in this trial.
4. Test weights averaged 58.8 lbs./bu and ranged from 56.4 to 61.5 lbs./bu. Grain protein averaged 10.5% with a range of 9.2 to 11.9%. Plant height averaged 30 inches and there was a little lodging by a few entries.