

2014 WSU Variety Testing SW Winter Wheat Trial, Farmington

Variety Name <i>Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2014				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WA 8169				104	57.3	11.6	34	158
WA 8173			109	98	57.8	12.1	36	160
WA 8203				97	59.6	11.3	36	159
Eltan	110	107	105	94	60.4	11.8	36	162
Mary	112	110	107	94	59.2	11.4	30	157
Xerpha	103	108	105	93	58.8	11.4	33	160
OR2090473				92	56.8	11.2	29	157
Skiles	109	102	98	92	59.0	12.5	30	159
LCS-Artdeco		109	108	91	57.7	10.3	28	156
<i>ARS010262-1C</i>				91	60.1	12.0	34	161
Otto				91	59.7	12.3	35	165
SY 107				90	58.2	11.7	31	158
<i>Cara</i>	111	99	97	90	57.4	12.4	30	162
WA 8204				90	59.7	11.9	36	158
IDN-02-08806A				90	59.8	11.5	29	159
IDN-02-29001A				89	60.0	12.1	32	156
<i>Bruehl</i>	111	103	98	89	59.1	11.7	36	162
WA 8212				89	58.2	12.9	29	161
Masami	102	103	95	89	57.5	11.7	35	163
IDO1108DH			102	88	58.2	12.0	36	159
Bobtail		105	100	88	54.2	11.5	30	158
WA 8188				88	60.3	12.3	33	157
WA 8187				87	60.5	11.9	33	158
LWW12-7105				87	56.0	11.3	25	157
WA 8206				86	60.9	12.1	33	158
IDN-01-10704A				86	58.1	11.5	34	158
WB 523			98	86	60.6	11.6	32	158
<i>ARS-Crescent</i>	106	102	95	85	58.6	11.8	33	164
Legion			98	84	58.8	11.1	36	157
WA 8176			96	84	60.8	12.0	38	162
ORCF-102				84	59.4	12.8	36	158
UI-WSU Huffman (IDN-03-29902A)				84	57.7	11.9	33	161
Rosalyn (OR2071071)		105	98	83	55.5	11.3	32	159
Tubbs 06	100	107	97	83	58.4	11.8	35	157
ARS-Amber	111	103	99	82	59.3	11.4	32	159
Bruneau			103	82	59.1	11.2	31	157
Kaseberg		102	96	82	56.9	12.1	30	158
WB-528	103	98	96	82	60.6	11.7	32	157
WB-1070CL			90	81	61.3	12.9	28	157
<i>Coda</i>	107	98	94	81	61.0	12.5	32	163
<i>ARS010780-3C</i>		97	90	81	59.3	12.8	32	163
ORCF-103	112	105	97	81	58.9	12.6	34	162
AP700 CL			98	80	58.5	11.8	32	157
Puma		105	99	80	58.6	12.3	34	157
WA 8205				80	60.5	12.1	31	159
<i>ARS-Chrysal</i>	104	100	94	80	58.0	13.7	32	164
Ladd (OR2070870)		96	92	79	59.3	12.2	31	158
WB-Junction			98	79	59.5	12.5	30	157

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
ARS-Selbu		101	91	78	59.7	12.4	34	158
WA 8177				78	57.2	13.2	30	160
Trifecta			94	77	60.0	11.9	31	157
IDN-04-00405B				77	56.7	12.1	30	156
SY Ovation			96	76	58.5	12.2	30	158
ARS010729-1L			93	76	59.8	12.1	30	159
LWW-04-4009		102	94	76	60.2	12.1	31	163
WB 456			90	75	60.0	12.5	30	157
OR2080641			90	74	56.9	12.0	30	157
Madsen	107	98	90	71	57.9	13.4	32	163
Stephens	105	96	88	70	58.3	11.7	31	156
LCS-Biancor				69	55.5	11.4	27	157
C.V. %	7	6	7	8	1.2	4.1	4	1
LSD (.10)	3	4	5	7	0.8	0.5	1	1
Average	107	102	97	84	58.8	12.0	32	159
Highest	112	110	109	104	61.3	13.7	38	165
Lowest	100	96	88	69	54.2	10.3	25	156

Farmington Soft White Winter Wheat

1. Grain yield in the 2014 Farmington soft white winter wheat trial averaged 84 bushels/acre, 25 bushels/acre lower than the five-year average of 109 bushels/acre. The Farmington nursery was located about three miles southeast of Garfield, WA (B. Nelson, Cooperator).
2. This nursery was seeded on 4 October, 2013 following chickpeas. Seed was placed at a 95#/acre seeding rate using a no-till plot drill equipped with cross-slot openers on 12-inch spacing. Base fertilizer was 130#N/acre. Fall seeding and emergence were good. The entries survived cold December temperatures in this trial better than at many locations with some snow cover in December during initial cold temperatures. No spring stand deficiencies were noted.
3. Yields reported ranged from 69 to 104 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 3 of the 60 entries in this trial. The variety 'Eltan', was the highest yielding named entry in the trial. The varieties 'Mary' and 'ORCF-103' had the highest yield over five years at this location. No stripe rust was observed and no fungicide was applied. There was noted, however, considerable Cephalosporium stripe pressure throughout the trial. There is no resistance, but levels of tolerance to Ceph. Stripe and this disease probably influenced yields. Some varieties rated more tolerance by Dr. Murray include Eltan, 'Xerpha', 'Skiles' and 'LCS-Artdeco' and all were higher yielding in this trial.
4. Test weights averaged 58.8 lbs/bu and ranged from 54.2 to 61.3 lbs/bu. Grain protein at 12.0% averaged higher than in 2013 with a range of 10.3 to 13.7%. Plant height averaged 32 inches and no lodging occurred.