

## 2014 WSU Variety Testing SW Winter Wheat Trial, Walla Walla

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	LODGING %
IDN-01-10704A				167	60.5	10.9	46	17
IDO1108DH			121	162	59.3	10.9	48	17
Xerpha	113	127	125	161	60.2	11.1	45	2
OR2080641			131	158	60.4	10.9	44	0
UI-WSU Huffman (IDN-03-29902A)				156	60.4	11.2	46	8
WA 8169				156	60.8	11.0	44	0
Tubbs 06	118	125	121	155	60.2	11.0	48	33
SY Ovation			122	155	61.0	10.9	42	25
Kaseberg		124	122	155	59.4	10.4	40	0
<i>ARS-Crescent</i>	125	132	127	154	60.9	11.0	42	15
WA 8173			125	154	59.3	11.0	47	15
Legion			116	152	59.5	11.5	46	45
Puma		128	123	152	60.4	10.8	47	23
IDN-02-29001A				151	61.1	11.2	45	0
<i>ARS010262-1C</i>				151	60.6	11.4	45	15
WA 8177				151	60.6	11.5	41	0
Skiles	125	119	122	151	60.8	11.6	38	0
Masami	123	120	117	150	59.8	10.3	45	0
WA 8187				150	61.0	11.0	41	0
ORCF-102				149	60.8	11.2	46	0
LWW-04-4009		118	114	149	61.3	11.1	41	31
WB-528	108	115	112	148	62.1	11.4	44	0
<i>Bruehl</i>	108	116	116	147	57.9	11.1	44	6
Mary	124	121	120	147	60.9	11.0	41	0
WA 8204				147	61.4	12.0	46	38
WA 8205				147	62.0	11.4	39	0
Trifecta			117	147	61.9	11.6	44	13
<i>Cara</i>	125	122	119	146	59.6	11.4	43	1
ARS-Amber	116	121	115	145	58.9	11.1	44	54
WA 8176			116	145	62.5	11.2	48	13
LCS-Artdeco		125	114	144	59.9	10.4	36	0
<i>ARS-Chrystal</i>	127	125	120	144	59.4	12.0	45	46
WB-1070CL			107	144	63.0	11.9	40	0
AP700 CL			113	143	60.4	11.0	43	7
Stephens	115	115	112	143	60.2	11.5	41	18
Bruneau			110	143	61.1	11.1	43	23
WA 8206				143	62.2	11.7	44	36
<i>ARS010780-3C</i>		119	116	142	60.4	11.7	44	0
ARS-Selbu		127	122	142	61.4	12.0	44	1
ARS010729-1L			119	141	61.6	11.6	46	0
WA 8188				140	60.9	11.6	46	0
WA 8203				140	59.3	11.4	47	53
Madsen	119	117	113	139	60.6	11.5	45	8
IDN-02-08806A				139	60.9	10.6	41	0
WB 523			112	139	61.5	11.4	41	0
LWW12-7105				138	58.4	10.5	32	0
SY 107				136	59.5	11.6	43	32
WA 8212				133	60.6	11.7	39	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	LODGING %
<b>WB 456</b>			112	133	<b>62.6</b>	12.0	40	0
<i>Coda</i>	113	114	111	133	60.8	12.2	43	60
<b>WB-Junction</b>			105	130	61.6	11.4	42	42
<b>Ladd (OR2070870)</b>		118	111	130	60.3	11.0	39	0
<b>Otto</b>				126	60.2	11.8	45	47
<b>Rosalyn (OR2071071)</b>		120	107	125	57.7	10.9	38	0
<b>Eltan</b>	83	97	103	124	59.8	11.5	46	83
<b>ORCF-103</b>	106	110	106	122	60.4	11.4	42	13
<b>LCS-Biancor</b>				120	59.1	11.2	35	1
<b>OR2090473</b>				113	59.2	10.9	39	0
<b>Bobtail</b>		112	98	96	59.2	10.6	42	0
<b>IDN-04-00405B</b>				82	58.9	11.9	41	0
<b>C.V. %</b>	10	8	9	10	0.9	3.8	5	149
<b>LSD (.10)</b>	6	6	8	15	0.6	0.4	2	22
<b>Average</b>	116	119	116	142	60.4	11.3	43	14
<b>Highest</b>	127	132	131	167	63.0	12.2	48	83
<b>Lowest</b>	83	97	98	82	57.7	10.3	32	0

### Walla Walla Soft White Winter Wheat

1. Grain yield in the 2014 Walla Walla soft white winter wheat trial averaged 142 bushels/acre, higher than the five-year average of 115 bushels/acre. The Walla Walla nursery was located about five miles north of Walla Walla, WA (J. Beechinor, Cooperator).
2. This nursery was seeded on 25 September, 2013 following chem-fallow. Seed was placed at an 85#/acre seeding rate using a no-till plot drill equipped with cross-slot openers on 12-inch spacing. Base fertilizer was 114#N/acre applied at planting. Fall seeding and emergence were adequate. The entries survived cold December temperatures in this trial better than at many locations with only minor reduced stands evident in the spring.
3. Yields reported ranged from 82 to 167 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 13 of the 60 entries in this trial. The variety 'Xerpha', was the highest yielding named entry in the trial. The club 'ARS-Chrysal' had the highest yield over five years at this location. There was minor incidence of stripe rust observed at flag-leaf and fungicide was applied that protected from stripe rust losses to productivity.
4. Test weights averaged 60.4 lbs/bu and ranged from 57.7 to 63.0 lbs/bu. Grain protein at 11.3% averaged higher than in 2013 with a range of 10.3 to 12.2%. Plant height averaged 43 inches and significant levels of lodging occurred for about half of the entries.