

2014 WSU Variety Testing SW Winter Wheat Trial, Pullman

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
Xerpha	137	126	133	121	60.1	9.3	38	159
LCS-Artdeco		120	128	114	58.7	9.9	33	154
WA 8204				114	60.4	9.7	43	157
Tubbs 06	138	128	131	114	59.4	9.2	41	157
Bobtail		125	132	112	55.9	8.4	34	157
WB-1070CL			113	112	63.1	11.2	35	153
WA 8187				112	60.7	9.9	36	159
WB 523			124	112	60.8	10.3	37	157
IDO1108DH			132	111	59.0	9.0	39	158
SY 107				109	59.1	9.2	37	155
UI-WSU Huffman (IDN-03-29902A)				109	59.9	9.3	38	157
Bruneau			128	108	59.8	9.1	38	156
ORCF-102				108	60.1	9.4	39	157
LWW12-7105				107	57.9	9.7	29	153
Mary	133	116	130	107	58.7	11.2	33	154
<i>ARS010262-1C</i>				107	60.9	10.0	42	159
IDN-02-29001A				107	60.8	10.3	37	155
IDN-01-10704A				107	58.3	9.8	39	155
WA 8169				106	58.0	9.9	38	158
<i>Coda</i>	134	115	120	106	61.1	10.7	42	159
WB-528	136	117	119	106	61.2	10.3	37	154
WA 8206				106	61.6	10.6	37	156
WA 8173			124	106	58.6	9.6	40	158
WA 8203				106	59.9	9.5	44	156
ARS-Amber	140	117	118	105	58.7	9.2	37	158
Ladd (OR2070870)		111	117	104	60.0	10.5	34	157
<i>Bruehl</i>	133	114	119	104	57.4	9.6	41	160
OR2090473				104	57.1	9.9	33	155
Puma		120	123	104	59.8	8.9	40	157
Masami	128	117	121	104	58.5	9.5	40	161
WA 8177				104	60.2	10.5	35	159
Rosalyn (OR2071071)		119	122	103	55.5	9.5	38	158
LWW-04-4009		121	121	103	60.5	10.7	36	159
Kaseberg		120	124	102	58.7	8.9	35	155
Otto				102	59.1	10.3	39	161
Skiles	130	112	117	101	59.2	12.2	38	158
OR2080641			129	101	59.1	9.4	35	156
ARS-Selbu		117	124	101	61.3	9.8	39	158
ARS010729-1L			124	100	62.1	9.0	30	158
WA 8176			116	100	60.8	11.2	42	162
Legion			120	99	59.2	9.1	40	158
Trifecta			117	99	61.3	9.8	37	153
Eltan	134	116	119	99	60.0	9.2	41	163
AP700 CL			117	98	58.9	11.4	38	156
Stephens	138	120	121	98	59.6	10.0	35	155
Madsen	134	115	117	98	59.8	10.3	40	160
<i>ARS-Crescent</i>	138	120	124	98	57.3	10.8	37	160
<i>ARS-Chrysal</i>	136	114	117	97	58.6	8.8	39	157

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WA 8205				96	60.5	10.9	33	159
IDN-02-08806A				96	60.6	10.4	35	156
SY Ovation			118	95	60.7	9.0	35	155
<i>ARS010780-3C</i>		113	116	95	59.6	10.7	37	160
WB-Junction			114	94	61.1	9.5	33	155
WA 8188				94	60.0	11.9	38	157
LCS-Biancor				94	57.6	9.3	31	156
WB 456			111	94	61.8	10.4	36	153
<i>Cara</i>	132	108	113	93	56.5	10.7	31	161
WA 8212				93	59.4	10.2	35	158
ORCF-103	130	116	117	92	59.5	10.0	37	158
IDN-04-00405B				91	57.6	11.6	35	155
C.V. %	7	6	6	7	1.2	10.1	7	1
LSD (.10)	4	4	5	8	0.8	1.1	3	1
Average	134	117	121	103	59.5	10.0	37	157
Highest	140	128	133	121	63.1	12.2	44	163
Lowest	128	108	111	91	55.5	8.4	29	153

Pullman Soft White Winter Wheat

1. Grain yield in the 2014 Pullman soft white winter wheat trial averaged 103 bushels/acre, less than the five-year average of 137 bushels/acre. The Pullman nursery was located about six miles east of Pullman, WA (R. Druffel, Cooperator).
2. This nursery was seeded on 7 October, 2013 following Chickpeas. Seed was placed at a 95#/acre seeding rate using a plot drill equipped with double-disc openers on 6-inch spacing. A spring soil test showed 191#N/acre available. 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 likely due to snow cover.
3. Yields reported ranged from 91 to 121 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 4 of the 60 entries in this trial. The variety 'Xerpha' was the highest yielding named entry in the trial. The club 'ARS-Amber' had the highest yield over five years at this location. No stripe rust was observed.
4. Test weights averaged 59.5 lbs/bu and ranged from 55.5 to 63.1 lbs/bu. Grain protein at 10.0% was similar to the 2013 protein level with a range of 8.4% to 12.2%. Plant height averaged 37 inches with no lodging.