

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

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 %
WA 8169				118	57.8	10.3	39	0
WA 8203				114	59.7	10.4	43	0
IDO1108DH			116	113	58.3	10.0	41	3
SY 107				112	59.8	9.7	37	0
WA 8206				112	62.2	10.6	40	0
WA 8176			107	112	61.5	10.4	45	0
<i>Coda</i>	118	113	107	112	61.5	10.6	41	0
Eltan	125	113	112	112	60.3	10.1	42	28
OR2090473				112	57.6	10.2	35	0
LCS-Artdeco		114	107	112	59.1	9.9	33	0
Xerpha	125	119	113	111	59.7	10.3	40	20
Kaseberg		113	105	110	59.3	10.2	38	0
<i>ARS-Crescent</i>	124	116	105	110	58.4	10.0	40	17
Skiles	116	109	105	110	60.2	11.0	37	0
Puma		118	111	110	59.9	10.3	43	0
WA 8173			110	109	57.9	10.8	43	0
WA 8204				109	60.9	10.1	46	0
ARS010729-1L			108	108	61.4	10.7	37	0
Legion			108	108	58.8	10.4	40	3
Tubbs 06	124	116	107	108	58.7	10.7	44	0
IDN-01-10704A				107	59.8	9.7	42	0
<i>Bruehl</i>	123	112	107	107	57.2	10.5	43	28
SY Ovation			107	107	60.4	10.3	38	0
WA 8187				106	59.4	10.9	36	0
Bobtail		114	105	106	55.3	11.0	38	0
IDN-02-08806A				105	60.3	10.5	38	0
WB-528	114	104	101	105	62.0	11.1	38	0
<i>ARS010262-1C</i>				105	60.9	10.6	40	0
ARS-Amber	122	115	106	105	59.7	10.0	38	0
Bruneau			105	104	59.8	10.1	37	0
UI-WSU Huffman (IDN-03-29902A)				103	59.2	10.4	39	0
IDN-02-29001A				103	61.5	10.5	42	0
WB-Junction			99	103	61.7	10.3	35	0
Otto				102	59.6	11.0	43	15
Madsen	116	108	101	102	59.4	11.1	38	3
ORCF-102				102	61.2	10.7	40	0
<i>ARS-Chrysal</i>	120	111	102	102	60.7	10.8	41	0
Mary	117	108	103	102	59.5	10.4	37	0
LWW12-7105				102	58.3	10.0	29	0
ORCF-103	121	112	103	102	59.7	10.4	40	17
WB-1070CL			96	101	62.6	11.2	33	0
WB 456			98	101	62.0	11.3	37	0
Trifecta			100	100	61.3	10.8	38	0
LWW-04-4009		111	106	100	60.9	11.2	38	0
ARS-Selbu		109	101	99	61.2	10.4	39	0
Stephens	117	108	100	99	59.5	10.6	37	0
WA 8205				99	60.1	11.0	37	0
WB 523			99	98	60.7	10.8	38	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	LODGING %
LCS-Biancor				98	58.3	10.2	34	0
Rosalyn (OR2071071)		106	101	98	55.2	10.4	36	0
OR2080641			99	98	59.4	10.0	38	0
Ladd (OR2070870)		104	97	97	59.3	11.2	37	0
WA 8188				97	60.0	11.2	38	0
AP700 CL			100	97	59.0	10.3	40	0
WA 8212				96	59.2	10.9	35	0
WA 8177				96	59.0	11.1	37	0
IDN-04-00405B				95	58.7	10.7	36	0
<i>ARS010780-3C</i>		103	92	94	59.9	11.4	38	0
<i>Cara</i>	115	105	96	93	58.5	10.4	36	0
<b>Masami</b>	115	103	89	88	57.5	10.4	40	47
C.V. %	6	7	7	7	1.0	4.8	4	272
LSD (.10)	3	4	6	8	0.6	0.5	1	9
<b>Average</b>	119	111	103	104	59.7	10.5	39	3
<b>Highest</b>	125	119	116	118	62.6	11.4	46	47
<b>Lowest</b>	114	103	89	88	55.2	9.7	29	0

### Colton Soft White Winter Wheat

1. Grain yield in the 2014 Colton soft white winter wheat trial averaged 104 bushels/acre, less than the five-year average of 120 bushels/acre. The Colton nursery was located about one-half mile south of Colton, WA (Art Schultheis, Cooperator).
2. This nursery was seeded on 7 October, 2013 following lentils. 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 114#N/acre at planting plus 12 #N/acre with herbicide and fungicide. Fall seeding and emergence were adequate. The entries survived cold December temperatures in this trial better than at many locations likely due to snow cover.
3. Yields reported ranged from 88 to 118 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 15 of the 60 entries in this trial. The variety 'SY 107', 'Coda', 'Eltan', and 'LCS-Artdeco' were the highest yielding named entries in the trial. Xerpha and Eltan had the highest yields over five years at this location. No stripe rust was observed.
4. Test weights averaged 59.7 lbs/bu and ranged from 55.2 to 62.6 lbs/bu. Grain protein at 10.5% averaged lower than in 2013 with a range of 9.7 to 11.4%. Plant height averaged 39 inches with some lodging on a few entries.