

2013 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)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
JC1108				119	58.4	10.6	42	164	0
03-29902A				119	58.9	10.9	39	166	0
Xerpha	128	129	122	115	59.3	10.1	39	165	0
WA 8172				113	58.5	10.8	42	161	0
Eltan	124	124	113	112	59.0	10.7	41	170	2
LWW10-1018				112	57.0	10.7	37	164	0
LWW-04-4009			117	112	60.7	10.7	35	165	0
WA 8173				112	57.3	10.9	37	162	0
Puma (WA 8134)		130	122	112	59.1	11.4	39	163	0
WA 8171				112	59.1	10.2	40	162	0
WA 8155			112	110	59.3	11.4	40	166	0
WA 8175				109	58.4	10.3	39	163	0
Legion				108	58.2	10.7	40	163	0
ARS010729-1L				108	61.1	10.6	37	163	0
SY Ovation				108	60.0	11.3	36	162	0
02-10606A				108	58.4	10.4	38	162	0
WA 8154			115	107	60.8	11.3	40	163	0
99-06202A				107	59.1	10.5	37	163	0
<i>Bruehl</i>	124	125	114	107	57.3	10.7	41	170	0
ARS-Amber		126	120	106	58.9	10.6	37	166	0
Tubbs 06	124	127	121	106	57.8	10.6	39	162	0
Bruneau				106	58.6	10.5	41	163	0
WA 8153			113	105	59.2	11.4	40	162	0
Bobtail (OR0807P94)			119	105	55.3	11.0	34	162	0
OR2071071 (Rosalyn)			110	104	56.5	10.5	32	164	0
AP 700 CL				104	59.1	11.4	37	161	0
ORCF-103	122	123	117	104	58.9	11.4	36	164	0
<i>ARS990077-1C</i>			118	103	60.0	11.2	38	168	0
Mary	119	117	111	103	59.2	11.5	30	160	0
WA 8176				103	58.8	10.5	38	168	0
ARS-Selbu (ARS970161-3L)		122	114	102	60.9	11.1	37	163	0
<i>ARS-Chrystal</i>		123	115	101	59.8	11.4	39	162	0
OR2080641				101	58.9	10.9	34	162	0
LCS-Artdeco (NSA06-2153A)		123	115	101	58.2	10.4	33	161	0
<i>Coda</i>	119	117	114	101	61.9	11.0	39	168	0
Kaseberg (OR2071628)		121	114	101	58.1	10.5	34	162	0
Stephens	119	118	112	101	59.5	10.7	36	162	0
Skiles	116	118	108	101	58.6	11.7	36	163	0
Trifecta				100	60.8	11.9	34	162	0
<i>ARS98X402-1C</i>				100	59.7	10.4	39	163	0
Madsen	117	119	111	100	57.8	12.2	37	164	0
<i>ARS-Crescent</i>		125	118	100	58.3	10.1	37	167	0
WA 8151			112	100	58.6	10.7	38	164	0
WB 523				99	60.1	11.1	36	162	0
<i>Cara</i>	116	120	111	99	57.2	11.3	38	165	0
<i>4J071246-1C</i>				99	57.5	11.2	39	167	2
Ladd (OR2070870)			108	98	59.1	11.6	35	165	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
<i>ARS010746-2C</i>				98	58.8	12.1	34	166	0
WB-528	113	114	103	97	60.8	11.7	34	162	0
WA 8142		112	105	97	60.1	11.7	33	161	0
<i>ARS97230-6C</i>				96	59.7	11.4	37	164	0
OR2080924				96	56.2	10.9	36	164	0
WA 8174				96	58.3	10.9	40	162	0
WB 456				94	61.1	12.1	33	162	0
AP Legacy				94	58.9	10.9	40	163	0
WB-Junction				94	61.0	11.0	33	160	0
WB-1070CL				91	62.6	12.6	32	159	2
Masami	122	118	111	90	57.4	11.1	40	168	0
<i>ARS010780-3C</i>			108	90	60.2	11.5	37	169	0
C.V. %	6	6	6	7	1.0	4.2	5	1	781
LSD (.10)	3	4	5	8	0.6	0.5	2	1	1
Average	119	121	114	103	59.0	11.0	37	164	0
Highest	134	130	122	119	62.6	12.6	42	170	2
Lowest	95	106	103	90	55.3	10.1	30	159	0

Colton Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Colton soft white winter wheat trial averaged 103 bushels/acre, 16 bushels/acre less than the 5-year average for this location. The Colton nursery was located about 1 mile south of the town of Colton, WA (A. Schultheis, Cooperator).
2. This nursery was seeded on 18 October, 2012 following lentils. 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 115#N/acre pre-plant applied. Fall seeding conditions were dry and hard giving some patchy establishment.
3. Yields ranged from 90 to 119 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 10 of the 59 entries in this trial. 'Xerpha' was the highest yielding named entry in the trial and 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 fungicide was applied once with the herbicide application.
4. Test weights averaged 59.0 lbs./bu and ranged from 55.3 to 62.6 lbs./bu. Grain protein averaged 11.0% with a range of 10.1 to 12.6%. Plant height averaged 37 inches and there was a slight amount of lodging.