

2012 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)	2012				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>ARS-Crescent (ARS970163-4C)</i>		137	138	137	60.2	9.1	42	168
Tubbs 06	128	135	137	135	59.6	8.3	41	162
Rod	130	136	140	133	59.3	9.6	40	165
ARS-Amber (ARS960277L)	133	133	135	133	60.5	8.2	41	164
WA 8134			139	133	60.3	8.5	42	163
OR08047P94				132	59.1	8.9	39	163
<i>ARS990077-1C</i>				132	59.3	8.0	41	168
Masami	126	132	132	131	59.6	8.1	41	169
Xerpha	131	133	136	130	60.6	9.5	39	164
ORCF-103	129	132	133	129	59.6	9.0	41	168
<i>Chukar</i>	122	133	137	129	59.4	9.0	43	166
Eltan/Tubbs 06	132	137	136	129	58.5	8.1	42	163
LCS-Artdeco (NSA06-2153A)			133	129	59.8	8.7	34	160
<i>ARS-Chrystal (ARS970075-3C)</i>	128	132	133	128	60.2	8.6	43	164
Madsen/Rod	127	134	133	127	59.9	8.5	39	165
ARS970161-3L			132	127	61.7	10.4	40	165
OR2071628			132	127	59.2	7.5	36	161
<i>Coda</i>	123	126	125	127	62.3	9.9	44	163
ARS970161-2L				126	62.0	9.4	40	166
<i>ARS010780-3C</i>				126	60.5	9.6	41	168
ARS970277L reselect				125	60.4	9.0	41	164
Stephens	125	128	127	124	60.1	8.1	37	160
WA 8154				124	61.3	8.8	41	164
WA 8151				124	59.6	7.2	39	164
<i>Cara</i>	117	127	130	123	58.4	8.8	39	165
Madsen	119	127	128	123	60.1	8.9	39	166
LWW-04-4009				122	60.2	7.9	37	167
<i>Bruehl</i>	128	134	135	122	56.8	9.5	42	168
IDO663			121	121	60.4	8.8	35	160
WA 8143			131	121	60.1	7.8	41	169
WA 8153				121	60.7	8.8	40	163
ORCF-102	128	130	131	121	60.0	8.6	39	163
WA 8152				120	61.0	8.8	44	165
WA 8116		129	132	120	60.6	7.9	37	168
<i>ARS010762-2C</i>				120	59.7	9.8	41	165
Otto (WA 8092)		131	130	118	60.0	8.4	42	169
WA 8135			121	118	60.6	7.9	41	169
Mary (OR2040726)		126	125	118	61.3	8.7	35	161
OR2070870				118	60.1	9.3	36	163
WA 8137				117	61.4	8.9	40	169
Skiles	116	123	127	116	61.9	9.4	37	162
OR2701071				115	57.8	8.4	36	163
Eltan	130	133	130	114	60.5	8.1	41	169
Goetze/Skiles		119	123	114	60.7	8.9	35	160
WA 8155				113	60.6	7.8	42	169
WA 8142			119	113	61.1	8.6	36	159
WB-528	119	122	122	109	61.0	9.0	36	159
WA 8136			116	102	56.8	8.4	38	169

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
C.V. %	7	5	5	5	0.9	9.1	4	1
LSD (.10)	4	4	5	7	0.5	0.8	2	1
Average	126	130	130	123	60.1	8.7	40	165
Highest	133	137	140	137	62.3	10.4	44	169
Lowest	116	119	116	102	56.8	7.2	34	159

Colton Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Colton soft white winter wheat trial averaged 123 bushels/acre, 3 bushels/acre lower than the 5-year average yield. The Colton nursery was located less than one mile south of Colton, WA (A. Schulthes, cooperater).
2. This nursery was seeded on 29 September, 2011 following lentils. Seed was placed at an 85#/acre seeding rate using a no-till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base fertilizer was 114#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged narrowly from 102 to 137 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. The recently released club `ARS-Crescent' was the highest yielding named entry in the trial, and 9 of the 48 entries were within the top LSD range. The recent release common variety `ARS-Amber' was the top yielding entries across five years of results at this location. Stripe rust potential was low at this location and fungicide was applied 26 April and 28 May.
4. Test weights were good averaging 60.1 lbs./bu and ranged from 56.8 to 62.3 lbs./bu. Grain protein averaged 8.7% and ranged from 7.2 to 10.4%. Plant height averaged 40 inches and there was no lodging.