

## 2011 WSU Variety Testing SW Winter Wheat Trial, Colton

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
Bruneau	138	143	147	153	62.4	9.1	44
Legion		139	148	149	61.4	9.2	45
Bruehl	126	131	139	147	60.1	9.6	46
Rod	127	132	138	147	61.9	9.3	41
Eltan	131	132	142	146	62.4	9.5	45
WA 8134				146	62.0	9.1	47
Chukar	118	125	135	145	61.8	9.3	45
Eltan/Tubbs 06		133	141	144	62.0	9.1	46
WA 8116			133	144	62.6	9.4	42
SY Ovation				144	62.5	9.8	43
WA 8092		127	138	143	62.2	9.7	46
03PN107#3				143	63.0	9.3	42
Xerpha	129	132	135	142	62.5	9.7	43
ARS97230-6C				142	62.1	9.0	42
Brundage 96	121	125	133	141	62.0	9.7	43
Cara +25%			128	141	61.7	9.2	44
ORCF-102	127	127	134	140	62.5	10.1	46
BZ6W02-616		121	133	140	63.2	9.2	41
WA 8143				140	62.4	9.2	45
Tubbs 06	124	127	135	139	62.0	9.2	45
Madsen/Rod	124	129	137	139	62.0	10.0	42
ARS970163-4C			137	139	62.4	8.5	45
Cara	113	120	129	138	61.6	9.5	44
ARS970075-3C			134	138	63.0	8.7	47
Skiles		121	127	138	63.7	10.2	41
Rod/Tubbs 06		128	137	138	61.9	9.1	44
AP Badger				138	60.8	9.8	38
Bitterroot	118	123	133	137	62.4	9.6	45
ARS960277L (ARS-Amber)			133	137	62.3	9.2	44
Chukar +25%			131	137	61.7	9.1	45
ARS970161-3L				137	63.2	9.6	44
OR2070385				137	61.5	9.5	42
NSA06-2153A				137	61.7	9.1	39
ORCF-103	126	126	134	136	61.7	9.0	42
OR2071628				136	60.5	8.9	41
WB-528	120	119	129	135	63.3	10.0	44
WA 8094		125	132	135	63.2	9.5	47
ID00-475-2DH			133	135	64.1	9.3	41
Rod/WB-528				135	63.1	9.9	45
UICF-Brundage	121	125	132	134	62.0	9.1	41
ARS98X402-1C				134	62.2	8.9	46
Madsen	115	122	129	133	61.9	9.8	42
Masami	122	129	132	133	61.0	8.7	43
Goetze/Skiles			122	132	63.1	10.6	41
96-16702A				132	63.5	8.8	46
OR2040726 (Mary)		125	131	131	63.0	9.6	42

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
Finch	119	122	127	130	63.1	9.2	43
Stephens	122	123	129	130	62.0	9.7	42
WA 8114			128	130	63.0	9.2	42
WA 8136				130	60.2	9.3	39
WA 8144				130	62.9	10.0	54
AP 700 CL	119	121	129	128	62.6	9.6	44
WA 8142				126	63.0	10.3	43
Lambert	119	122	129	125	62.1	9.0	46
Coda	120	122	125	124	<b>64.0</b>	9.8	46
Sunrise (Soft Red)			131	124	60.3	8.8	46
WA 8135				124	63.2	9.9	46
WA 8145				124	61.8	10.3	44
IDO663				121	62.6	9.2	42
AP Legacy		123	118	117	60.7	9.6	47
C.V.	11	8	6	5	0.3	3.5	2
LSD	7	8	9	14	0.4	0.6	2
Average	123	126	133	136	62.3	9.4	44
Highest	138	143	148	153	64.1	10.6	54
Lowest	113	119	118	117	60.1	8.5	38

### Colton Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Colton soft white winter wheat trial averaged 136 bushels/acre 13 bushels/acre higher than the 5-year average. The Colton nursery was located about one mile west of Colton, WA (Art Schultheis, cooperator).
2. This nursery was seeded on 1 October, 2010 following lentil. Seed was placed at an 85#/acre seeding rate using a no-till plot drill set on 10-inch spacing. Base fertilizer was 114#N/acre fall applied. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 117 to 153 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Bruneau was the highest yielding named entry in the trial, and 22 of the 60 entries in the trial were within the top LSD range. There was stripe rust potential at this location and fungicide was applied on June 11 and July 9. These later fungicide applications provided good control for most of the season, but early stripe rust showed some impact on susceptible varieties. There was an estimated 10% yield loss due to stripe rust for susceptible varieties. The Lattice design was 184% efficient compared to an RCBD.
4. Test weights were very good with an average of 62.3 lb/bu, and ranged from 60.1 to 64.1 lb/bu. Grain protein averaged 9.4% with a range of 8.5 to 10.6%. Plant height averaged 44 inches and there was no lodging.