

2011 WSU Variety Testing SW Winter Wheat Trial, Moses Lake

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	HEAD DATE
Rod/Tubbs 06		176	178	200	62.4	11.3	37	154
OR2070385				197	62.5	11.6	35	155
Legion		180	178	194	62.3	11.6	36	153
OR2071628				194	61.4	11.3	33	155
Xerpha	173	178	170	193	62.2	12.4	38	155
Stephens	175	179	175	193	62.5	11.3	33	152
BZ6W02-616		188	178	192	63.3	11.1	33	150
IDO663				191	63.5	11.5	33	152
SY Ovation				191	62.6	11.8	35	153
Tubbs 06	169	173	171	190	62.5	11.6	38	153
Rod	163	169	171	189	62.0	11.1	37	154
Madsen/Rod	161	167	167	186	62.4	11.4	36	155
OR2040726 (Mary)		180	173	186	62.5	11.2	34	153
WA 8134				186	62.5	11.7	38	155
AP 700 CL	165	173	166	185	62.2	12.1	36	153
96-16702A				185	63.5	11.5	37	152
AP Badger				185	61.6	11.4	32	155
AP Legacy		173	170	184	62.2	11.5	37	153
Masami	152	154	150	183	62.0	10.8	39	155
Bruneau	169	178	177	182	63.5	12.0	35	154
Goetze/Skiles			165	182	61.9	12.3	30	152
ORCF-102	169	177	171	181	62.5	11.5	37	155
ORCF-103	158	160	156	181	61.8	11.4	36	156
Rod/WB-528				181	62.8	11.3	36	152
NSA06-2153A				180	61.7	11.1	30	152
Bitterroot	160	167	165	179	62.8	12.0	40	155
WB-528	173	178	172	179	63.7	12.3	34	151
ARS970075-3C			169	179	63.6	12.1	38	154
03PN107#3				179	63.6	11.4	34	154
WA 8114			167	178	62.6	11.6	32	149
WA 8116			162	177	62.3	11.9	36	155
WA 8143				177	62.5	11.3	39	156
WA 8092		153	151	176	62.5	11.8	39	155
Madsen	160	165	163	175	62.3	12.2	38	155
Lambert	170	172	162	175	63.3	11.6	37	153
Brundage 96	163	170	165	175	61.7	11.5	33	154
Eltan/Tubbs 06		167	166	175	62.4	12.0	39	155
WA 8145				175	61.8	11.9	35	151
ARS98X402-1C				173	62.7	12.1	38	155
ID00-475-2DH			158	172	63.7	11.2	38	155
WA 8136				172	59.9	11.6	32	156
ARS960277L (ARS-Amber)			157	170	62.3	11.2	38	154
WA 8135				170	63.3	11.6	39	155
ARS970161-3L				170	63.6	12.4	36	154
Finch	143	147	148	169	63.0	12.1	37	155
Skiles		159	157	169	62.6	12.5	32	154

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
ARS97230-6C				169	61.9	11.2	35	154
Bruehl	157	164	156	168	60.6	12.4	38	156
WA 8144				168	62.7	12.8	46	156
UICF-Brundage	156	160	159	167	60.8	12.1	33	156
WA 8094		154	153	167	63.0	12.4	38	155
Cara +25%			159	166	61.8	11.7	36	154
WA 8142				164	63.0	12.4	35	152
Sunrise (Soft Red)			145	163	61.3	11.8	39	156
ARS970163-4C			151	162	62.6	11.7	39	154
Eltan	154	158	152	161	62.3	11.8	38	154
Coda	144	151	149	160	63.9	12.7	41	154
Cara	149	151	155	160	61.8	12.4	36	155
Chukar	144	151	147	152	62.6	12.8	40	155
Chukar +25%			155	152	62.3	12.8	39	155
C.V.	10	8	7	5	0.6	4.6	4	1
LSD	8	11	13	17	0.8	1.0	3	2
Average	160	167	162	177	62.5	11.8	36	154
Highest	175	188	178	200	63.9	12.8	46	156
Lowest	143	147	145	152	59.9	10.8	30	149

Moses Lake Irrigated Soft White Winter Wheat – Preliminary Data

1. Grain yield in the irrigated Moses Lake soft white winter wheat trial averaged 177 bushels/acre, 17 bushels/acre higher than the 5-year average. The Moses Lake nursery was located about two miles southeast of Quincy, WA (Jerry Heilig, cooperator).
2. This nursery was seeded on 26 October, 2010 following potatoes. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 150#N/acre applied through irrigation. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 152 to 200 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. A Rod/Tubbs 06 blend was the highest yielding named entry in the trial, and 19 of the 60 entries in the trial were within the top LSD range. Stephens was the top yielding entry across five years of results at this location. There was moderate stripe rust potential at this location and fungicides were applied twice with good effect. There was no estimated yield loss due to stripe rust. The Lattice design was 231% efficient compared to an RCBD.
4. Test weights were very good with an average of 62.56 lb/bu, and ranged from 59.9 to 63.9 lb/bu. Grain protein averaged 11.8% with a range of 10.8 to 12.8%. Plant height averaged 36 inches and there was no lodging.