

2011 WSU Variety Testing SW Winter Wheat Trial, Pullman

Variety Name *Club Italized	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
Bruneau	158	163	178	196	63.0	10.4	44	180
Legion		168	179	192	61.7	10.8	46	179
Cara +25%			171	188	62.0	11.0	44	178
WA 8143				187	60.5	10.5	46	181
Eltan	152	155	161	184	61.8	10.1	45	180
Bruehl	145	152	162	183	59.3	10.8	46	180
Chukar	149	162	167	183	61.8	10.9	46	179
Cara	144	158	169	183	62.1	11.4	44	177
ARS970075-3C			170	181	63.3	10.8	47	179
ARS960277L (ARS-Amber)			173	180	62.4	10.4	44	179
SY Ovation				180	62.5	11.3	42	177
Madsen	142	153	162	179	62.0	11.1	42	179
AP 700 CL	154	162	174	179	62.3	10.9	45	174
WA 8134				178	62.1	10.6	48	178
OR2070385				178	62.0	11.0	41	176
WA 8092		154	166	177	60.3	10.3	45	181
ARS970161-3L				177	63.4	10.8	42	179
Stephens	146	153	165	176	62.3	10.8	42	175
Chukar +25%			170	176	61.7	10.4	44	178
96-16702A				176	63.7	10.4	46	178
Skiles		149	157	175	63.2	11.4	41	176
Bitterroot	144	152	162	174	62.5	10.7	45	177
ARS970163-4C			165	174	62.5	10.2	46	179
OR2071628				174	60.7	10.7	41	177
WA 8144				174	62.6	10.9	52	181
Madsen/Rod	146	154	160	173	61.5	11.0	44	179
WA 8116			163	173	62.0	10.3	41	180
WB-528	145	154	164	172	63.5	11.1	43	176
ID00-475-2DH			161	172	63.4	10.4	41	178
IDO663				171	63.1	10.8	41	175
Rod	153	157	161	170	60.9	10.9	43	179
Eltan/Tubbs 06		155	160	170	61.0	10.7	45	178
ARS98X402-1C				170	62.3	10.5	45	179
NSA06-2153A				170	61.9	10.7	39	175
Coda	146	151	162	169	64.3	11.4	47	177
BZ6W02-616		155	169	169	63.7	11.3	41	175
ARS97230-6C				168	63.0	10.1	39	177
WA 8136				168	59.6	10.2	40	180
03PN107#3				167	62.6	9.9	40	179
Finch	151	152	159	165	63.3	10.2	44	180
WA 8135				165	62.8	11.2	46	181
Xerpha	155	152	154	164	61.7	10.4	43	179
ORCF-102	144	152	157	164	61.8	10.6	44	178
AP Badger				164	60.4	11.1	39	176
Rod/WB-528				164	62.3	11.1	43	175
Rod/Tubbs 06		156	161	163	61.1	10.2	45	176

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UICF-Brundage	144	150	155	162	61.4	10.5	41	176
OR2040726 (Mary)		151	159	162	62.7	10.7	41	175
Tubbs 06	148	150	153	160	60.9	10.4	46	179
Sunrise (Soft Red)			149	160	61.1	10.9	48	180
WA 8142				160	63.1	11.3	42	176
WA 8145				158	62.1	11.4	42	175
Brundage 96	141	145	152	156	61.4	10.5	41	176
ORCF-103	143	150	150	154	61.4	10.7	44	182
WA 8114			148	151	62.2	10.3	42	175
WA 8094		138	143	150	62.6	10.5	48	182
Masami	147	147	145	149	60.2	10.3	44	181
Lambert	141	140	147	149	61.4	11.0	44	177
Goetze/Skiles			137	148	62.4	11.6	42	175
AP Legacy		144	146	134	59.6	10.1	46	178
C.V.	11	8	7	7	0.9	3.7	3	1
LSD	8	10	13	22	1.1	0.8	2	2
Average	147	153	160	170	62.0	10.7	44	178
Highest	158	168	179	196	64.3	11.6	52	182
Lowest	141	138	137	134	59.3	9.9	39	174

Pullman Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Pullman soft white winter wheat trial averaged 170 bushels/acre, 23 bushels/acre more than the 5-year average. The Pullman nursery was located about nine miles west of Pullman, WA (N. Druffel, cooperator).
2. This nursery was seeded on 20 October, 2010 following chickpeas. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 120#N/acre fall applied. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 134 to 196 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Bruneau was the highest yielding entry in the trial, and 25 of the 60 entries in the trial were within the top LSD range. Bruneau was also the top yielding entry across five years of results and Legion was high yielding across three years of results at this location. Stripe rust potential was very high at this location and fungicide was applied three times: mid-April, May 30, and early June. Fungicide applications were effective, but there was some stripe rust impact at this location with up to an estimated 20% yield loss by susceptible varieties. The Lattice design was 142% efficient compared to an RCBD.
4. Test weights were very good with an average of 62.0 lb/bu, and ranged from 59.3 to 64.3 lb/bu. Grain protein averaged 10.7% with a range of 9.9 to 11.6%. Plant height averaged 44 inches and there was no lodging.