

2011 WSU Variety Testing SW Winter Wheat Trial, Farmington

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
Legion		139	141	160	60.5	9.6	45	174
ARS970161-3L				154	63.1	10.1	43	176
Cara	116	134	130	151	61.3	9.9	44	173
OR2070385				151	61.4	9.9	43	173
WA 8145				149	60.7	10.0	43	168
WA 8144				144	62.1	10.0	53	176
Bruneau	124	133	129	143	61.7	9.5	41	174
Cara +25%			125	141	61.3	9.9	43	173
Skiles		125	120	140	62.5	10.4	42	173
WA 8143				138	61.1	9.8	45	173
Stephens	116	126	118	137	60.6	9.8	41	169
SY Ovation				136	60.6	9.4	41	172
Chukar	114	128	125	135	61.0	9.9	44	174
WA 8092		123	123	135	61.5	9.8	42	177
Chukar +25%			127	135	60.8	9.1	44	174
WA 8136				135	60.3	9.4	37	177
WA 8142				135	62.0	10.3	42	172
Coda	111	120	122	133	63.5	10.6	46	175
AP 700 CL	130	134	129	133	61.3	9.7	45	169
Bruehl	117	128	122	132	59.2	9.6	43	175
ARS960277L (ARS-Amber)			122	132	60.2	9.1	42	173
BZ6W02-616		124	124	132	61.6	9.5	40	167
Madsen	112	121	121	131	61.2	10.0	41	175
ARS97230-6C				131	60.8	9.0	38	173
WA 8134				131	60.4	9.6	47	173
Bitterroot	113	122	117	130	61.4	9.8	43	174
Madsen/Rod	117	125	117	129	60.3	10.1	43	175
NSA06-2153A				129	59.8	9.8	38	167
ARS970163-4C			114	128	61.8	9.4	43	175
WA 8116			120	126	61.5	9.6	40	173
Finch	116	117	107	124	62.3	9.2	43	176
Brundage 96	116	120	117	124	60.9	9.5	41	173
WA 8114			110	124	60.4	9.7	41	167
OR2071628				124	59.8	9.2	39	171
WB-528	115	121	112	123	61.9	9.8	43	167
96-16702A				123	62.1	9.6	43	169
03PN107#3				123	60.8	9.5	41	173
Rod	118	125	117	121	59.3	9.8	40	174
AP Badger				121	59.0	9.8	38	172
Eltan	106	117	115	120	60.3	9.2	42	176
WA 8135				120	62.4	10.5	41	176
UICF-Brundage	118	124	121	119	60.2	9.4	39	173
OR2040726 (Mary)		126	116	118	60.5	9.4	40	169
ARS98X402-1C				118	60.3	8.9	43	172
Rod/WB-528				118	60.5	10.0	41	168
ORCF-103	116	122	121	116	60.1	9.4	42	176

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
ARS970075-3C			110	113	59.3	9.8	45	172
Goetze/Skiles			107	113	60.8	10.8	39	168
ID00-475-2DH			119	112	60.5	9.4	41	175
IDO663				112	61.2	9.5	39	166
Masami	109	110	102	106	59.4	9.5	41	176
ORCF-102	128	126	114	105	58.0	10.3	43	174
WA 8094		105	100	104	61.5	9.9	43	176
Rod/Tubbs 06		111	98	97	57.4	10.3	43	173
Eltan/Tubbs 06		113	105	95	58.9	9.7	43	173
Xerpha	115	111	94	91	59.7	10.5	40	175
Sunrise (Soft Red)			95	91	58.5	9.6	46	172
Lambert	110	105	88	90	60.0	10.3	43	171
Tubbs 06	102	104	88	83	57.3	9.8	43	173
AP Legacy		99	76	53	53.8	9.9	42	173
C.V.	16	10	9	7	0.8	3.5	4	1
LSD	9	10	12	16	1.0	0.7	3	2
Average	115	121	114	124	60.5	9.8	42	173
Highest	130	139	141	160	63.5	10.8	53	177
Lowest	102	99	76	53	53.8	8.9	37	166

Farmington Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Farmington soft white winter wheat trial averaged 124 bushels/acre 9 bushels/acre higher than the 5-year average. The Farmington nursery was located about three miles south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 30 September, 2010 following pea. 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 53 to 160 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Legion was the highest yielding named entry in the trial, and 6 of the 60 entries in the trial were within the top LSD range. AP700CL was the top yielding entry across five years of results at this location. There was high stripe rust potential at this location and no fungicide was applied. There was an estimated 40% yield loss due to stripe rust for susceptible varieties and stripe rust strongly influenced cultivar performance at this site. The Lattice design was 104% efficient compared to an RCBD.
4. Test weights were good with an average of 60.5 lb/bu, and ranged from 63.8 to 63.5 lb/bu. Grain protein averaged 9.8% with a range of 8.9 to 10.8%. Plant height averaged 42 inches and there was no lodging.