

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

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
WA 8143	--	--	--	110	62.2	8.4	44	179
OR2070385	--	--	--	106	60.8	8.8	42	172
Chukar	--	--	--	102	60.5	7.8	43	173
Madsen	--	--	--	101	61.5	9.3	42	174
Bruehl	--	--	--	100	59.7	8.9	43	177
ARS970163-4C	--	--	--	100	62.6	8.2	42	178
ARS960277L (ARS-Amber)	--	--	--	99	61.5	8.7	41	173
Cara	--	--	--	97	60.5	8.4	40	172
Cara +25%	--	--	--	97	61.0	9.0	41	173
ARS970075-3C	--	--	--	96	61.5	8.0	42	171
Chukar +25%	--	--	--	96	61.5	8.8	43	174
Xerpha	--	--	--	96	61.2	8.8	41	174
WA 8092	--	--	--	96	62.2	8.4	43	179
ARS97230-6C	--	--	--	95	61.9	8.0	38	172
Brundage 96	--	--	--	95	60.9	9.0	41	172
BZ6W02-616	--	--	--	95	61.8	8.7	39	168
ARS98X402-1C	--	--	--	94	61.4	8.0	44	173
Eltan	--	--	--	94	61.6	7.8	42	178
WA 8116	--	--	--	94	62.3	8.3	39	179
WA 8135	--	--	--	94	62.8	9.1	44	179
Bruneau	--	--	--	94	61.5	9.1	42	173
Skiles	--	--	--	94	62.9	9.8	41	174
WA 8144	--	--	--	94	62.6	9.0	51	178
ORCF-103	--	--	--	94	60.6	8.7	42	174
Rod/WB-528	--	--	--	94	61.1	8.9	43	170
03PN107#3	--	--	--	93	62.4	9.7	41	173
ORCF-102	--	--	--	93	61.0	8.5	42	173
WB-528	--	--	--	92	61.7	9.0	42	168
ID00-475-2DH	--	--	--	92	63.0	9.3	40	175
Rod	--	--	--	90	60.7	9.1	40	178
WA 8094	--	--	--	90	61.9	9.0	44	179
WA 8145	--	--	--	89	60.8	9.9	43	169
Masami	--	--	--	88	60.3	8.2	40	177
96-16702A	--	--	--	88	62.3	8.5	43	170
Goetze/Skiles	--	--	--	88	61.8	9.7	40	171
SY Ovation	--	--	--	88	61.2	8.7	40	173
WA 8142	--	--	--	88	62.4	10.0	41	170
OR2040726 (Mary)	--	--	--	87	61.1	8.4	41	170
Legion	--	--	--	87	59.8	9.1	41	174
UICF-Brundage	--	--	--	87	61.3	9.2	40	173
AP Badger	--	--	--	86	58.8	9.3	37	171
Madsen/Rod	--	--	--	86	60.9	8.7	39	179
WA 8114	--	--	--	85	62.2	9.1	38	169
WA 8134	--	--	--	85	60.7	8.6	44	173
ARS970161-3L	--	--	--	85	62.3	9.4	40	174
Bitterroot	--	--	--	85	62.4	10.0	44	175

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
OR2071628	--	--	--	85	60.2	8.8	38	172
<b>Sunrise (Soft Red)</b>	--	--	--	84	59.8	8.2	43	170
<b>Finch</b>	--	--	--	83	62.0	9.0	43	178
<b>Rod/Tubbs 06</b>	--	--	--	82	59.6	8.7	43	173
Coda	--	--	--	81	<b>63.6</b>	9.4	44	174
<b>Eltan/Tubbs 06</b>	--	--	--	81	60.1	8.9	43	173
<b>NSA06-2153A</b>	--	--	--	80	59.5	9.1	35	169
<b>Tubbs 06</b>	--	--	--	77	58.5	9.1	43	172
<b>WA 8136</b>	--	--	--	76	60.5	8.7	38	179
<b>Lambert</b>	--	--	--	74	60.0	9.0	43	172
<b>IDO663</b>	--	--	--	72	60.3	9.7	39	168
<b>AP 700 CL</b>	--	--	--	72	61.2	9.9	43	170
<b>Stephens</b>	--	--	--	70	58.5	10.2	39	169
<b>AP Legacy</b>	--	--	--	69	57.3	8.2	43	172
CV	--	--	--	9	0.9	7.0	3	1
LSD	--	--	--	15	1.1	1.2	3	2
<b>Average</b>	--	--	--	89	61.1	8.9	42	173
<b>Highest</b>	--	--	--	110	63.6	10.2	51	179
<b>Lowest</b>	--	--	--	69	57.3	7.8	35	168

### Fairfield Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Fairfield soft white winter wheat trial averaged 89 bushels/acre. The Fairfield nursery was located about one mile North of Fairfield, WA (Al Anderberg, cooperator).
2. This nursery was seeded on 30 September, 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 69 to 110 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. The club Chukar was the highest yielding named entry in the trial, and 16 of the 60 entries in the trial were within the top LSD range. There was stripe rust at this location and no fungicide was applied to the trial. There was an estimated 20% yield loss due to stripe rust for susceptible varieties. The Lattice design was 235% efficient compared to an RCBD.
4. Test weights were good with an average of 61.1 lb/bu, and ranged from 57.3 to 63.6 lb/bu. Grain protein averaged 8.9% with a range of 7.8 to 10.2%. Plant height averaged 42 inches and there was no lodging.