2011 WSU Variety Testing SW Winter Wheat Trial, Walla Walla

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011 YIELD (BU/A)	2011 TEST WT (LBS/BU)	2011 PROTEIN (%)	2011 LODGING (%)	2011 PLANT HT	2011 HEAD DATE
ARS97230-6C	--			**149**	61.1	8.1	53	42	154
ARS970161-3L	--			**149**	**62.2**	9.1	47	43	152
OR2070385	--			**149**	59.8	8.8	5	43	152
OR2040726	--	135	130	**147**	60.9	8.1	20	43	153
Cara	--	133	128	**144**	59.9	9.1	52	46	156
Madsen	--	124	123	**143**	60.9	9.2	15	42	154
Skiles	--	137	134	**143**	**61.9**	9.3	3	41	152
WA 8134	--			**143**	60.6	9.7	82	46	151
AP Badger	--			**143**	58.4	8.3	38	37	152
Masami	--	129	128	**141**	58.9	8.9	37	44	157
AP 700 CL	--	136	134	**141**	60.4	8.8	35	46	151
Brundage 96	--	133	133	**140**	60.1	9.3	37	43	152
ARS970075-3C	--		132	**140**	**61.7**	9.2	62	47	153
OR2071628	--			**139**	58.8	8.4	40	42	151
Chukar +25%	--		119	**136**	59.6	7.8	40	50	157
IDO663	--			**136**	60.6	8.4	13	42	150
03PN107#3	--			**135**	61.1	8.8	38	42	153
WA 8142	--			**135**	**61.7**	9.3	8	44	152
Bruneau	--	115	103	**134**	60.4	8.2	73	42	152
Cara +25%	--		133	**134**	59.8	9.2	67	45	154
ARS98X402-1C	--			**134**	60.6	8.4	65	46	155
WA 8136	--			**133**	58.6	9.0	22	40	156
WA 8145	--			**133**	60.0	8.7	52	43	146
ORCF-102	--	135	133	**132**	61.1	9.2	37	44	155
Finch	--	125	117	**130**	**61.7**	8.6	35	45	156
Stephens	--	123	115	**130**	60.1	8.9	32	41	150
WA 8135	--			**129**	**61.8**	10.1	52	44	156
NSA06-2153A	--			**128**	**61.3**	9.6	70	39	149
UICF-Brundage	--	129	129	**126**	60.0	8.3	13	39	156
Chukar	--	128	120	**125**	59.4	8.9	87	47	152
WA 8116	--		104	**125**	60.9	8.7	38	43	157
ARS960277L	--		107	**124**	59.8	8.0	53	46	155
SY Ovation	--			**124**	60.2	9.5	86	42	151
Madsen/Rod	--	122	115	**122**	59.1	10.7	96	43	154
Tubbs 06	--	120	108	**121**	59.5	8.5	53	44	151
ARS970163-4C	--		116	**121**	60.0	8.6	82	47	158
Lambert	--	114	101	**118**	59.5	8.9	70	44	151
Eltan/Tubbs 06	--	105	88	**118**	59.1	8.6	83	43	152
WB-528	--	114	99	117	60.7	8.3	86	41	149
Coda	--	118	110	116	**62.4**	9.6	91	46	156
Legion	--	117	103	116	57.7	10.3	99	44	153
ORCF-103	--	112	100	115	59.6	8.3	73	43	161
Rod/Tubbs 06	--	116	103	114	58.7	9.2	63	44	152
Goetze/Skiles	--		141	114	60.7	9.8	65	41	152
WA 8144	--			113	60.9	9.1	87	48	158
Bitterroot	--	120	113	112	60.2	8.5	35	44	153

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96-16702A	--			112	60.3	10.1	99	44	151
WA 8092	--	102	93	109	60.2	10.0	72	45	156
AP Legacy	--	124	114	108	58.1	8.9	57	45	152
WA 8094	--	110	102	108	60.6	9.0	52	46	160
Bruehl	--	110	97	107	56.7	8.7	93	44	157
BZ6W02-616	--	104	84	106	60.5	7.9	75	42	148
WA 8114	--		103	104	59.1	9.4	89	44	151
Rod/WB-528	--			104	58.9	9.3	93	41	150
Rod	--	111	98	103	57.8	9.7	88	43	156
Xerpha	--	112	92	98	59.9	9.1	73	43	155
ID00-475-2DH	--		89	95	59.0	9.6	99	41	154
Sunrise (Soft Red)	--		67	82	57.9	8.6	96	46	153
WA 8143	--			78	58.5	9.1	93	44	158
Eltan	--	85	61	70	57.7	10.2	99	42	158
C.V.	--	15	16	13	1.0	9.4	43	4	1
LSD	--	14	21	31	1.1	1.6	49	3	4
Average	--	119	110	123	60.0	9.0	59	44	154
Highest	--	137	141	149	62.4	10.7	99	50	161
Lowest	--	85	61	70	56.7	7.8	3	37	146

Walla Walla Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Walla Walla soft white winter wheat trial averaged 123 bushels/acre, 4 bushels/acre more than the 3-year average. The Walla Walla nursery was located about 7 miles north of Walla Walla, WA (Tom and Jason Beechinor, cooperators).
2. This nursery was seeded on 28 September, 2010 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. A spring soil test showed 156#N/acre available. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 70 to 149 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. The club Cara was the highest yielding cultivar in the trial, but 38 of the 60 entries in the trial were within the top LSD range. Skiles was the top yielding entry across three years of results at this location. Stripe rust potential was very high at this location with early infection and season long pressure. Fungicide was applied once 16 June to the trial. Stripe rust impact on yield is estimated to be 20% or more for susceptible entries. There was a high level of lodging in this trial and it influenced yields and increased variability. The Lattice design was 115% efficient compared to an RCBD.
4. Test weights were good with an average of 60.0 lb/bu. Grain protein averaged 9.0% with a range of 7.8 to 10.7%. Plant height averaged 44 inches and lodging averaged 59% with a range of 3% to 99%.