

2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT MAYVIEW, WA.

Variety Name <small>*Club Italicized</small>	5 YEAR			2010					
	AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<i>CHUKAR</i>	94	102	111	123	60.1	8.8	13	41	165
<i>CHUKAR +25%</i>				119	60.0	9.0	2	43	165
<i>CARA +25%</i>				118	60.1	10.2	0	40	164
<i>ARS970163-4C</i>				116	60.9	9.4	0	42	165
<i>CARA</i>	85	95	102	115	60.3	9.7	0	41	164
<i>WA008116</i>				113	61.9	8.9	0	37	165
<i>ARS970071-3C</i>			100	109	62.2	10.0	12	44	164
<i>ORCF-102</i>	102	98	98	109	60.8	9.6	3	40	164
<i>WA008117</i>				109	61.7	9.1	0	36	166
<i>CODA</i>	97	92	96	108	63.1	9.7	5	43	165
<i>MADSEN/ROD</i>	101	97	99	107	60.0	9.8	0	39	165
<i>BRUNDAGE 96</i>	91	93	95	106	59.9	9.2	0	39	163
<i>MADSEN</i>	96	93	98	106	60.6	10.2	0	39	165
<i>ARS970075-3C</i>		97	98	105	61.9	8.9	0	41	164
<i>MASAMI</i>	102	97	99	105	58.1	9.6	10	39	166
<i>ARS960277L</i>		90	94	104	60.4	8.8	0	42	165
<i>ARS970184-1C</i>				104	60.0	9.1	2	40	164
<i>SIMON</i>	96	90	92	104	60.0	9.5	3	39	163
<i>LEGION</i>		99	101	103	58.8	9.4	47	41	163
<i>ROD/TUBBS06</i>		98	101	103	59.3	9.3	5	41	163
<i>TUBBS 06</i>	100	94	98	103	58.6	9.2	3	42	162
<i>WB-528</i>	102	97	96	102	61.8	9.6	32	39	159
<i>OR2040726</i>			95	100	61.7	9.8	0	36	161
<i>UICF-BRUNDAGE</i>		91	94	100	59.6	9.2	0	37	162
<i>GOETZE/SKILES</i>				99	60.7	11.1	0	37	161
<i>ORCF-103</i>		94	97	99	59.3	9.5	20	37	165
<i>WA008092</i>			89	99	60.2	9.0	0	40	166
<i>BRUNEAU</i>		94	94	98	61.3	9.5	25	39	165
<i>ROD</i>	103	96	97	98	59.8	9.9	22	37	165
<i>BZ6W02-616</i>			84	97	61.8	9.5	2	38	156
<i>XERPHA</i>	104	97	100	97	60.4	10.1	32	39	165
<i>AP 700 CL</i>		88	90	96	61.1	10.2	2	40	162
<i>FINCH</i>	97	92	95	96	61.9	9.0	0	39	166
<i>SKILES</i>		95	97	96	62.1	10.5	0	36	162
<i>RJAMES</i>	98	92	92	95	58.3	9.3	32	36	163
<i>AP LEGACY</i>		97	94	94	60.0	9.1	13	40	163
<i>SALUTE</i>		90	92	94	59.7	9.5	10	41	162
<i>ARS970170-2L</i>			97	93	60.3	9.3	0	42	166
<i>GEORGE</i>	89	92	92	92	59.1	9.3	50	40	166
<i>ID00-475-2DH</i>				91	61.5	9.7	5	38	165
<i>WA008093</i>			84	91	59.4	9.6	17	38	164
<i>ELTAN/TUBBS06</i>		93	92	90	58.9	9.0	18	40	163
<i>WA008063</i>		90	92	90	61.0	9.8	5	35	161
<i>BITTERROOT</i>	90	86	85	89	60.1	9.6	43	41	164
<i>KCF9001</i>				89	60.3	10.0	57	43	166
<i>KCF9002</i>				89	61.9	11.4	0	38	161
<i>LAMBERT</i>	91	84	85	89	58.9	9.8	23	41	161
<i>STEPHENS</i>	94	90	91	88	61.1	9.9	8	36	160
<i>BRUEHL +25%</i>				87	56.5	9.4	93	39	165
<i>BRUEHL</i>	96	90	88	86	57.6	9.4	73	39	166
<i>OR2060395</i>				82	59.8	9.4	17	36	162
<i>WA008094</i>			82	82	60.7	9.4	3	41	166
<i>ELTAN/MADSEN</i>		86	83	80	59.3	9.6	18	39	165
<i>REA STEPHENS</i>				80	60.8	10.2	62	42	162

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WA008114				80	61.2	9.6	78	37	160
WA008115				80	61.1	9.3	72	35	161
KCF9003				75	60.8	10.8	90	45	164
DH99-55-2 (Soft Red)				74	58.3	9.2	30	45	162
ELTAN	89	84	81	74	57.7	9.6	95	38	167
CDC PTARMIGAN			72	67	56.0	9.2	5	44	163
C.V. %	8	8	8	9	0.8	4.4	84	3	0
LSD '@ .10'	4	5	7	12	0.6	0.6	22	1	1
Average	96	93	93	96	60.2	9.6	19	40	164
Highest	104	102	111	123	63.1	11.4	95	45	167
Lowest	85	84	72	67	56.0	8.8	0	35	156

Mayview Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Mayview soft white winter wheat trial averaged 96 bushels/acre, equal to the 5-year average for this location. The Mayview nursery was located about four miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R.&R. Koller, cooperators).
2. This nursery was seeded on 7 October, 2009 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 90#N. Fall seeding conditions were adequate with good emergence and over winter survival.
3. Yields ranged from 67 bu/ac to 123 bu/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and 6 of the 60 trial entries are in the top group. The club variety Chukar was the highest yielding variety. Stripe rust was a factor at this location with impact on susceptible cultivars. The club cultivars have very good stripe rust resistance and that contributed to their good overall performance. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 17% for yield.
4. Test weights averaged 60.2 lb/bu with a range from 56.0 to 63.1 lb/bu.
5. Grain protein was good and averaged 9.6% with a range of 8.8 to 11.4%. Plant height averaged 40 inches. Lodging ranged from 0 to 95% and contributed to reduced performance for many cultivars.