

## 2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT MOSES LAKE, WA.

Variety Name <small>*Club Italicized</small>				2010					
	5 YEAR 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
BRUNEAU		176	176	171	60.4	11.7	0	40	151
WA008115				168	59.1	12.4	5	39	149
WB-528	170	180	178	165	61.1	12.5	0	39	149
BZ6W02-616			186	165	60.9	12.3	33	39	146
KCF9002				164	60.9	12.3	0	38	148
SIMON	160	175	169	162	59.1	12.8	27	41	151
ORCF-102	163	175	176	161	59.1	12.8	5	42	150
LEGION		180	174	161	56.5	12.7	32	42	150
OR2040726			177	161	59.3	13.4	0	37	150
<i>CHUKAR +25%</i>				159	58.4	13.4	7	41	154
<i>ARS970075-3C</i>		170	166	158	60.2	13.1	0	43	151
STEPHENS	163	178	172	157	58.5	13.0	5	37	151
ROD/TUBBS06		170	165	157	55.9	12.5	30	42	151
WA008114				157	58.8	11.8	22	39	148
BRUNDAGE 96	160	166	168	156	58.3	13.1	2	40	150
AP LEGACY		169	168	156	57.3	13.1	25	43	153
ELTAN/TUBBS06		165	163	156	58.0	12.2	32	42	150
OR2060395				156	57.0	12.4	0	37	151
REA STEPHENS				155	60.2	12.9	0	42	149
SALUTE		172	163	153	56.2	13.3	33	41	151
<i>ARS970071-3C</i>			159	153	60.0	13.2	13	45	152
ROD	155	168	159	152	56.3	12.5	30	40	154
TUBBS 06	161	172	165	152	56.5	12.8	5	43	151
<i>CARA +25%</i>				152	58.2	13.7	0	40	154
CARA	147	151	147	151	58.4	13.3	0	40	154
MADSEN	155	164	159	151	57.6	13.5	5	41	153
BITTERROOT	156	167	161	151	58.6	13.0	10	44	153
UICF-BRUNDAGE		158	156	151	57.6	13.0	40	40	151
LAMBERT	165	178	171	150	57.8	12.7	0	42	149
MADSEN/ROD	153	164	158	149	57.0	13.0	37	41	153
WA008063		170	162	149	57.4	13.0	25	37	149
KCF9003				149	60.5	12.5	20	48	146
GOETZE/SKILES				149	57.8	13.2	0	37	152
XERPHA	166	176	170	147	56.9	12.6	30	43	153
AP 700 CL		170	166	147	56.7	13.3	0	42	150
WA008116				147	57.2	13.9	0	37	153
WA008117				146	56.1	14.1	27	37	154
SKILES		159	154	145	58.6	13.7	0	37	151
ID00-475-2DH				145	58.6	12.9	22	42	153
<i>BRUEHL</i>	153	165	162	144	55.7	13.1	32	41	153
WA008093			156	144	55.9	13.3	28	40	153
ARS960277L		171	167	143	57.5	12.9	3	41	153
<i>BRUEHL +25%</i>				143	55.3	13.3	37	42	153
<i>CHUKAR</i>	144	150	151	142	58.0	13.6	43	41	154
ELTAN	149	159	157	142	57.6	13.1	82	40	152
RJAMES	144	157	149	139	55.3	12.4	40	35	153
ELTAN/MADSEN		160	159	139	58.4	13.1	37	42	153
WA008094			148	139	58.1	13.6	33	43	153
<i>ARS970163-4C</i>				139	57.4	13.9	18	40	154
CODA	140	147	147	138	60.7	13.9	52	41	154
CDC PTARMIGAN			157	136	59.0	11.9	40	45	150
ARS970170-2L			153	136	54.6	13.8	15	41	153
<i>ARS970184-1C</i>				136	56.6	13.0	30	40	152
ORCF-103		157	150	130	56.3	13.3	55	40	152

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<b>KCF9001</b>				130	57.9	13.1	90	44	151
<b>FINCH</b>	137	145	136	126	56.2	13.9	30	42	156
<b>WA008092</b>			142	126	55.7	13.5	60	42	155
<b>DH99-55-2 (Soft Red)</b>				126	57.4	12.3	53	43	151
<b>GEORGE</b>	133	139	130	125	54.5	13.8	73	41	155
<b>MASAMI</b>	143	149	139	116	53.7	13.4	62	42	155
<b>C.V. %</b>	7	6	7	7	2.0	3.1	104	4	1
<b>LSD '@ .10'</b>	6	7	11	14	1.6	0.6	33	2	1
<b>Average</b>	153	165	160	148	57.8	13.0	24	41	152
<b>Highest</b>	170	180	186	171	61.1	14.1	90	48	156
<b>Lowest</b>	133	139	130	116	53.7	11.7	0	35	146

### Moses Lake Irrigated Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Moses Lake irrigated soft white winter wheat trial averaged 148 bushels/acre, 5 bushels/acre lower than the 5-year average. The Moses Lake nursery was located about four miles southeast of Moses Lake, WA.
2. This nursery was seeded on 16 October, 2009 following a potato crop. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 100#N. Fall seeding conditions were good and plant stands overwintered well.
3. Yields ranged from 116 bu/ac to 171 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold and 11 of the 60 entries are in the top bolded group. The Idaho variety Bruneau was the highest yielding variety in the trial. Stripe rust occurred at moderate levels at this location and there was no fungicide applied. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 7% for yield.
4. Test weights varied a lot in this experiment with an average of 57.8 lb/bu and a range of 53.7 to 61.1 lb/bu. Test weights were probably reduced in some cultivars by lodging that ranged from 0 to 90%, and stripe rust infection.
5. Grain protein was high and averaged 13.0% with a range of 11.7 to 14.1%. Plant height averaged 41 inches.