

2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT PULLMAN, 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
BZ6W02-616			148	170	61.7	9.4	0	44	163
AP 700 CL		148	154	169	60.0	10.0	0	47	170
ARS960277L		148	150	166	59.5	8.8	0	46	172
LEGION		151	156	165	57.7	9.7	0	47	171
<i>CHUKAR +25%</i>				163	59.6	9.6	0	46	171
BRUNEAU		150	147	160	58.5	9.4	0	45	171
ROD/TUBBS06		147	152	160	58.5	9.3	0	47	171
<i>ARS970075-3C</i>		138	148	159	61.3	9.3	0	49	170
AP LEGACY		147	149	158	59.0	9.4	0	46	170
WA008115				158	59.8	9.5	0	42	167
WB-528	137	139	145	156	60.5	9.6	0	44	167
WA008092			143	156	58.5	9.5	2	47	174
<i>ARS970163-4C</i>				156	59.3	8.1	0	46	172
STEPHENS	140	137	142	155	59.8	9.9	0	44	168
GEORGE	146	148	152	155	58.3	9.2	0	48	174
SALUTE		141	147	155	58.6	9.9	0	47	170
OR2040726			146	155	59.8	9.7	0	42	169
<i>CODA</i>	143	138	142	154	62.7	10.2	7	48	171
<i>CARA</i>	137	133	146	154	58.6	9.5	0	44	171
ROD	149	148	151	153	57.9	9.5	0	43	173
FINCH	149	147	145	153	59.9	9.3	0	45	173
WA008116				153	58.8	9.2	0	42	173
<i>CARA +25%</i>				153	59.1	9.6	0	44	170
<i>CHUKAR</i>	142	139	151	152	59.3	9.4	0	47	172
ELTAN/TUBBS06		143	147	151	58.1	9.0	0	47	171
ARS970170-2L			151	151	58.8	9.9	0	46	172
OR2060395				151	57.3	9.7	0	40	168
ORCF-102	143	141	145	150	58.9	9.6	0	47	170
RJAMES	144	142	143	150	56.5	9.6	0	40	172
WA008117				150	58.6	9.6	0	42	173
KCF9001				150	58.6	9.9	8	52	174
ID00-475-2DH				150	59.8	9.4	0	44	170
SIMON	140	135	136	149	58.8	9.4	0	45	170
BITTERROOT	141	137	141	149	58.5	8.9	0	48	172
REA STEPHENS				149	60.9	10.3	7	51	170
BRUNDAGE 96	138	138	140	148	57.9	10.2	0	44	170
UICF-BRUNDAGE		146	144	148	58.1	9.6	0	43	171
MADSEN/ROD	141	139	144	147	58.7	10.2	0	44	173
<i>ARS970071-3C</i>			135	147	62.1	10.1	0	52	171
TUBBS 06	148	145	145	146	57.0	9.6	0	47	171
ORCF-103		140	148	146	58.6	9.6	3	46	172
<i>ARS970184-1C</i>				146	57.0	9.0	0	45	172
MADSEN	136	132	140	145	59.5	10.1	0	45	172
XERPHA	155	150	146	145	58.6	9.8	0	44	171
LAMBERT	142	137	135	145	58.8	9.5	0	47	171
ELTAN/MADSEN		137	139	144	58.0	9.6	0	48	173
WA008114				144	59.5	9.9	0	42	167
MASAMI	146	145	145	141	57.2	9.3	8	45	173
<i>BRUEHL +25%</i>				141	56.2	9.9	0	47	173
<i>BRUEHL</i>	140	135	137	140	55.8	9.9	10	47	172
KCF9002				140	60.4	10.6	0	42	167
ELTAN	140	140	140	139	58.0	9.1	12	46	174
SKILES		128	136	139	60.5	10.2	0	40	171
DH99-55-2 (Soft Red)				138	56.9	8.9	13	50	167

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WA008063		136	138	136	58.1	9.7	0	40	167
WA008094			132	136	59.0	9.7	10	49	173
WA008093			130	132	57.3	9.8	0	43	170
GOETZE/SKILES				126	59.0	10.4	0	40	166
CDC PTARMIGAN			123	124	56.0	8.9	0	53	170
KCF9003				121	60.5	10.2	68	56	170
C.V. %	7	6	5	5	1.0	4.2	263	2	1
LSD '@ .10'	6	7	7	10	0.8	0.5	9	1	1
Average	143	141	144	149	58.8	9.6	2	46	171
Highest	155	151	156	170	62.7	10.6	68	56	174
Lowest	136	128	123	121	55.8	8.1	0	40	163

Pullman Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Pullman soft white winter wheat trial averaged 149 bushels/acre, 6 bushels/acre higher than the 5-year average for this location. The Pullman nursery was located about four miles southeast of Pullman, WA (Norm Druffel and Sons, cooperator).
2. This nursery was seeded on 2 October, 2009 following chickpea. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 132#N and a spring soil test showed 252#N/acre available in the top 4-foot sample. Fall seeding conditions were dry and emergence occurred after precipitation. Crop stands overwintered well.
3. Yields ranged from 121 bu/ac to 170 bu/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and 5 of the 60 trial entries are in the top group. AP 700 CL was the highest yielding named variety in the trial. Stripe rust was moderate at this location with some impact on susceptible cultivars. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 69% for yield.
4. Test weights were variable and averaged 58.8 lb/bu with a range from 55.8 to 62.7 lb/bu.
5. Grain protein was good and averaged 9.6% with a range of 8.1 to 10.6%. Plant height averaged 46 inches. Lodging occurred for a few entries.