

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

Variety Name <small>*Club Italicized</small>	2010				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)							
LEGION		134	134	147	58.6	7.8	0	46	171	
BRUNEAU		137	138	141	59.4	7.5	0	43	172	
ELTAN	125	130	125	138	59.5	7.6	0	44	173	
GEORGE	120	127	125	138	58.7	7.7	0	45	173	
DH99-55-2 (Soft Red)				138	58.5	7.6	0	50	167	
ELTAN/TUBBS06		129	127	137	59.1	7.6	0	46	171	
MADSEN/ROD	119	123	124	136	59.4	8.1	0	42	172	
<i>BRUEHL +25%</i>				136	58.0	8.0	0	44	173	
ROD/TUBBS06		125	124	135	58.7	8.1	0	44	171	
<i>ARS970163-4C</i>				135	59.3	7.2	0	44	173	
LAMBERT	119	123	121	133	59.2	8.3	0	46	171	
WA008092			119	133	59.5	8.2	0	42	173	
ORCF-103		126	120	132	58.9	8.1	0	43	173	
<i>BRUEHL</i>	117	123	123	131	57.9	7.9	0	44	173	
MASAMI	118	122	127	131	58.3	7.5	0	43	172	
TUBBS 06	120	122	121	131	58.6	7.8	0	45	171	
UICF-BRUNDAGE		123	121	131	59.4	8.3	0	42	171	
ID00-475-2DH				131	60.7	7.5	0	43	172	
AP 700 CL		122	118	130	60.3	8.9	0	45	171	
OR2040726			122	130	60.0	7.9	0	41	170	
ROD	120	124	124	129	59.0	7.7	0	41	172	
BITTERROOT	112	115	116	129	59.4	7.4	0	46	173	
STEPHENS	118	123	120	129	59.4	8.8	0	42	170	
<i>ARS970075-3C</i>		119	122	129	61.2	8.0	0	47	170	
WA008094			120	129	60.0	7.9	0	45	172	
XERPHA	125	128	128	128	59.0	8.2	0	42	172	
ORCF-102	125	126	120	128	59.6	8.3	0	44	171	
SALUTE		124	122	128	59.1	8.7	0	45	171	
ELTAN/MADSEN		122	122	128	59.3	7.9	0	43	173	
ARS960277L		119	113	128	58.9	7.2	0	44	172	
<i>CODA</i>	120	122	121	127	62.0	8.6	0	46	171	
SIMON	117	122	124	127	58.8	8.2	0	44	171	
RJAMES	115	117	117	127	57.7	7.7	0	40	172	
KCF9001				127	60.4	7.9	0	48	173	
BZ6W02-616			111	126	61.6	8.3	0	42	163	
WA008114				126	60.0	8.3	0	41	166	
WA008117				126	59.4	7.8	0	41	173	
<i>CHUKAR</i>	110	112	114	125	58.9	7.8	0	45	173	
FINCH	114	121	118	125	60.2	7.8	0	43	173	
ARS970170-2L			117	125	59.3	7.7	0	45	172	
<i>CHUKAR +25%</i>				125	59.2	7.5	0	45	171	
MADSEN	112	113	116	124	59.1	8.3	0	42	172	
BRUNDAGE 96	116	118	116	124	58.6	7.9	0	43	171	
REA STEPHENS				124	60.1	9.0	0	50	170	
<i>ARS970184-1C</i>				123	57.8	7.5	0	44	172	
WB-528	117	117	111	122	60.2	8.4	0	44	169	
WA008093			119	122	58.4	8.1	0	41	171	
WA008116				122	59.8	7.8	0	41	173	
<i>CARA</i>	107	109	112	121	58.5	8.0	0	42	171	
<i>ARS970071-3C</i>			111	121	61.4	8.5	0	48	171	
OR2060395				120	58.1	8.0	0	39	170	
KCF9002				120	61.3	8.9	0	43	169	
AP LEGACY		128	126	119	58.4	8.0	0	44	171	
WA008115				118	59.9	8.1	0	42	168	

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
SKILES		109	112	116	60.9	9.1	0	40	172
<i>CARA +25%</i>				116	58.6	8.1	0	43	171
CDC PTARMIGAN			120	113	57.4	7.5	0	50	170
KCF9003				113	61.3	8.5	0	58	170
WA008063		111	111	112	59.6	8.6	0	40	168
GOETZE/SKILES				111	59.4	8.8	0	40	170
C.V. %	7	7	6	4	0.6	2.4	--	2	0
LSD '@ .10'	5	7	7	8	0.5	0.3	--	1	1
Average	117	122	120	127	59.4	8.0	0	44	171
Highest	125	137	138	147	62.0	9.1	0	58	173
Lowest	107	109	111	111	57.4	7.2	0	39	163

Colton Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Colton soft white winter wheat trial averaged 127, 10 bushels/acre higher than the 5-year average for this location. The Colton nursery was located about one mile south of Colton, WA (Art Schultheis, cooperator).
2. This nursery was seeded on 6 October, 2009 following lentils. Seed was placed at an 85#/acre seeding rate using a no-till drill with Cross-Slot openers set on 10-inch spacing. Base fertilizer was 114#N/acre. Fall seeding was dry with variable seeding depth due to hard soil, but emergence was adequate after precipitation and winter survival was good. There was little stripe rust.
3. Yields ranged narrowly from 111 bu/ac to 147 bu/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and 2 of the 60 trial entries are in the top group. Legion was the highest yielding variety. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 111% for yield.
4. Test weights averaged 59.4 lb/bu with a range from 57.4 to 62.0 lb/bu.
5. Grain protein was low and averaged 8.0% with a range of 7.2 to 9.1%. Plant height averaged 44 inches.