

2010 WSU SOFT WHITE WINTER WHEAT TRIAL SUMMARY
Precipitation Zone= >20"

VARIETY NAME (<i>SWH Club in italics</i>)	YIELD (BU/A)				TEST WEIGHT (LBS/BU)					PROTEIN (%)					
	COLTON	FARMINGTON	MOSES LAKE (<i>irrigated</i>)	PULLMAN	AVERAGE YIELD	COLTON	FARMINGTON	MOSES LAKE (<i>irrigated</i>)	PULLMAN	AVERAGE TEST WEIGHT	COLTON	FARMINGTON	MOSES LAKE (<i>irrigated</i>)	PULLMAN	AVERAGE PROTEIN
LEGION	147	123	161	165	149	58.6	58.1	56.5	57.7	57.7	7.8	10.7	12.7	9.7	10.2
BRUNEAU	141	115	171	160	147	59.4	59.8	60.4	58.5	59.5	7.5	10.8	11.7	9.4	9.9
BZ6W02-616	126	116	165	170	144	61.6	62.4	60.9	61.7	61.7	8.3	11.0	12.3	9.4	10.3
AP 700 CL	130	125	147	169	143	60.3	59.5	56.7	60.0	59.1	8.9	11.3	13.3	10.0	10.9
KCF9002	120	N/A	164	140	141	61.3	N/A	60.9	60.4	60.9	8.9	N/A	12.3	10.6	10.6
<i>CHUKAR +25%</i>	125	118	159	163	141	59.2	59.2	58.4	59.6	59.1	7.5	10.7	13.4	9.6	10.3
ORCF-102	128	124	161	150	141	59.6	59.9	59.1	58.9	59.4	8.3	10.7	12.8	9.6	10.4
ELTAN/TUBBS06	137	116	156	151	140	59.1	59.1	58.0	58.1	58.6	7.6	10.5	12.2	9.0	9.8
OR2040726	130	113	161	155	140	60.0	59.8	59.3	59.8	59.7	7.9	10.7	13.4	9.7	10.4
SIMON	127	117	162	149	139	58.8	59.0	59.1	58.8	58.9	8.2	10.9	12.8	9.4	10.3
UICF-BRUNDAGE	131	123	151	148	138	59.4	59.6	57.6	58.1	58.7	8.3	10.2	13.0	9.6	10.3
WA008115	118	108	168	158	138	59.9	60.5	59.1	59.8	59.8	8.1	10.8	12.4	9.5	10.2
ROD/TUBBS06	135	100	157	160	138	58.7	56.1	55.9	58.5	57.3	8.1	11.2	12.5	9.3	10.3
ARS970075-3C	129	106	158	159	138	61.2	59.7	60.2	61.3	60.6	8.0	11.5	13.1	9.3	10.5
ID00-475-2DH	131	125	145	150	138	60.7	60.3	58.6	59.8	59.9	7.5	10.5	12.9	9.4	10.1
ARS960277L	128	113	143	166	138	58.9	59.6	57.5	59.5	58.9	7.2	10.6	12.9	8.8	9.9
ROD	129	112	152	153	137	59.0	58.2	56.3	57.9	57.9	7.7	10.4	12.5	9.5	10.0
WB-528	122	101	165	156	136	60.2	60.9	61.1	60.5	60.7	8.4	11.1	12.5	9.6	10.4
RJAMES	127	124	139	150	135	57.7	57.2	55.3	56.5	56.7	7.7	10.4	12.4	9.6	10.0
STEPHENS	129	99	157	155	135	59.4	59.0	58.5	59.8	59.2	8.8	11.4	13.0	9.9	10.8
SALUTE	128	103	153	155	135	59.1	58.0	56.2	58.6	58.0	8.7	11.4	13.3	9.9	10.8
KCF9001	127	131	130	150	135	60.4	60.9	57.9	58.6	59.5	7.9	11.2	13.1	9.9	10.5
BRUNDAGE 96	124	110	156	148	135	58.6	58.2	58.3	57.9	58.3	7.9	11.0	13.1	10.2	10.6
WA008116	122	115	147	153	134	59.8	59.9	57.2	58.8	58.9	7.8	11.1	13.9	9.2	10.5
<i>BRUEHL +25%</i>	136	116	143	141	134	58.0	57.5	55.3	56.2	56.8	8.0	11.4	13.3	9.9	10.7
MADSEN/ROD	136	104	149	147	134	59.4	57.9	57.0	58.7	58.3	8.1	11.5	13.0	10.2	10.7
ORCF-103	132	127	130	146	134	58.9	58.7	56.3	58.6	58.1	8.1	10.5	13.3	9.6	10.4
CARA	121	108	151	154	134	58.5	58.8	58.4	58.6	58.6	8.0	11.1	13.3	9.5	10.5
BITTERROOT	129	104	151	149	133	59.4	59.7	58.6	58.5	59.1	7.4	11.2	13.0	8.9	10.1
AP LEGACY	119	100	156	158	133	58.4	58.1	57.3	59.0	58.2	8.0	10.4	13.1	9.4	10.2
<i>CHUKAR</i>	125	114	142	152	133	58.9	59.2	58.0	59.3	58.9	7.8	10.8	13.6	9.4	10.4
<i>CARA +25%</i>	116	110	152	153	133	58.6	58.8	58.2	59.1	58.7	8.1	11.1	13.7	9.6	10.6
MADSEN	124	110	151	145	133	59.1	59.4	57.6	59.5	58.9	8.3	11.6	13.5	10.1	10.9
CODA	127	111	138	154	133	62.0	62.0	60.7	62.7	61.9	8.6	11.5	13.9	10.2	11.1
ARS970163-4C	135	99	139	156	132	59.3	58.5	57.4	59.3	58.6	7.2	11.1	13.9	8.1	10.1
OR2060395	120	102	156	151	132	58.1	58.2	57.0	57.3	57.7	8.0	11.1	12.4	9.7	10.3
ELTAN	138	109	142	139	132	59.5	59.6	57.6	58.0	58.7	7.6	10.7	13.1	9.1	10.1
<i>BRUEHL</i>	131	113	144	140	132	57.9	57.6	55.7	55.8	56.8	7.9	11.1	13.1	9.9	10.5
WA008092	133	112	126	156	132	59.5	58.8	55.7	58.5	58.1	8.2	11.7	13.5	9.5	10.7
WA008117	126	104	146	150	132	59.4	58.5	56.1	58.6	58.2	7.8	11.5	14.1	9.6	10.8
ARS970071-3C	121	105	153	147	132	61.4	60.9	60.0	62.1	61.1	8.5	12.3	13.2	10.1	11.0
WA008114	126	96	157	144	131	60.0	60.0	58.8	59.5	59.6	8.3	10.8	11.8	9.9	10.2
GEORGE	138	105	125	155	131	58.7	58.2	54.5	58.3	57.4	7.7	11.2	13.8	9.2	10.5
ARS970170-2L	125	111	136	151	131	59.3	58.5	54.6	58.8	57.8	7.7	11.0	13.8	9.9	10.6
TUBBS 06	131	92	152	146	130	58.6	56.2	56.5	57.0	57.1	7.8	10.5	12.8	9.6	10.2
ELTAN/MADSEN	128	110	139	144	130	59.3	58.3	58.4	58.0	58.5	7.9	11.5	13.1	9.6	10.5
REA STEPHENS	124	93	155	149	130	60.1	58.8	60.2	60.9	60.0	9.0	11.7	12.9	10.3	11.0
XERPHA	128	98	147	145	130	59.0	57.3	56.9	58.6	58.0	8.2	11.1	12.6	9.8	10.4
LAMBERT	133	86	150	145	129	59.2	57.1	57.8	58.8	58.2	8.3	10.8	12.7	9.5	10.3
ARS970184-1C	123	97	136	146	126	57.8	57.4	56.6	57.0	57.2	7.5	11.4	13.0	9.0	10.2
SKILES	116	101	145	139	125	60.9	59.5	58.6	60.5	59.9	9.1	12.3	13.7	10.2	11.3
DH99-55-2 (Soft Red)	138	98	126	138	125	58.5	58.4	57.4	56.9	57.8	7.6	10.0	12.3	8.9	9.7
WA008094	129	96	139	136	125	60.0	58.8	58.1	59.0	59.0	7.9	11.4	13.6	9.7	10.7
WA008093	122	101	144	132	125	58.4	57.9	55.9	57.3	57.4	8.1	11.0	13.3	9.8	10.6
FINCH	125	90	126	153	124	60.2	58.9	56.2	59.9	58.8	7.8	11.4	13.9	9.3	10.6
WA008063	112	93	149	136	123	59.6	59.3	57.4	58.1	58.6	8.6	11.4	13.0	9.7	10.7
GOETZE/SKILES	111	101	149	126	122	59.4	59.0	57.8	59.0	58.8	8.8	11.6	13.2	10.4	11.0
MASAMI	131	98	116	141	122	58.3	57.2	53.7	57.2	56.6	7.5	10.8	13.4	9.3	10.3
KCF9003	113	96	149	121	120	61.3	60.3	60.5	60.5	60.7	8.5	11.6	12.5	10.2	10.7
CDC PTARMIGAN	113	73	136	124	112	57.4	56.0	59.0	56.0	57.1	7.5	10.4	11.9	8.9	9.7
CV (%)	4	8	7	5	6	0.6	1.4	2.0	1.0	1.4	2.4	3.7	3.1	4.2	3.5
LSD (0.10)	8	12	14	10	6	0.5	1.1	1.6	0.8	0.5	0.3	0.6	0.6	0.5	0.2
Average	127	107	148	149	133	59.4	58.9	57.8	58.8	58.7	8.0	11.1	13.0	9.6	10.4
Highest	147	131	171	170	149	62.0	62.4	61.1	62.7	61.9	9.1	12.3	14.1	10.6	11.3
Lowest	111	73	116	121	112	57.4	56.0	53.7	55.8	56.6	7.2	10.0	11.7	8.1	9.7

2010 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone >20" – Preliminary Data

1. Soft White winter wheat grain yield across four locations and 60 entries in the >20" precipitation zone averaged 133 bushels/acre, 4 bushels/acre higher than the 2009 average of 129 bushels/acre. These trials were designed and analyzed as Alpha Lattice RCB designs that overall helped to account for within replication variation and reduced LSD and CV values.

2. The yields ranged from 107 to 149 bushels/acre across locations and reflected this year's good growing conditions, except for stripe rust that had an impact at most locations. The Fairfield location was abandoned this year. Average yield among entries across locations ranged from 112 to 149 bushels/acre with Legion and Bruneau the top two variety entries.

3. Test weight averaged 58.7 lb/bu across locations and entries and was lower than last year's 59.6 lb/bu. Grain protein averaged 10.4% and was slightly lower than last year's 10.6% value.