

2010 WSU SOFT WHITE WINTER WHEAT TRIAL SUMMARY
Precipitation Zone= 16" - 20"

VARIETY NAME <i>(SWH Club in italics)</i>	DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE YIELD	DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE TEST WEIGHT	DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE PROTEIN
	YIELD (BU/A)						TEST WEIGHT (LBS/BU)						PROTEIN (%)					
<i>CARA +25%</i>	176	118	145	171	132	148	60.1	60.1	61.3	60.0	59.1	60.1	10.5	10.2	10.7	10.9	11.7	10.8
<i>CARA</i>	175	115	136	178	112	143	60.3	60.3	61.4	59.9	59.0	60.2	10.0	9.7	10.3	11.5	11.4	10.6
<i>CHUKAR</i>	161	123	143	156	116	140	60.1	60.1	61.5	58.5	59.7	60.0	9.8	8.8	10.1	11.1	11.4	10.2
<i>CHUKAR +25%</i>	173	119	145	149	101	137	60.0	60.0	61.4	58.7	59.5	59.9	9.7	9.0	9.9	10.7	11.5	10.2
<i>ARS970075-3C</i>	163	105	151	139	123	136	61.9	61.9	63.4	59.3	61.2	61.5	9.8	8.9	9.9	11.5	11.7	10.4
<i>ARS970163-4C</i>	156	116	153	140	111	135	60.3	60.9	61.9	59.8	59.7	60.5	9.6	9.4	10.1	11.4	11.0	10.3
<i>ARS970071-3C</i>	164	109	136	155	108	134	62.3	62.2	62.9	60.4	60.8	61.7	10.6	10.0	12.0	12.4	12.9	11.6
<i>SKILES</i>	158	96	123	163	125	133	62.1	62.1	62.7	60.6	60.1	61.5	11.2	10.5	11.7	11.9	12.7	11.6
<i>ORCF-102</i>	144	109	135	142	133	133	61.0	60.8	62.2	58.9	59.6	60.5	9.9	9.6	11.2	11.2	11.1	10.6
<i>CODA</i>	161	108	136	151	103	132	63.6	63.1	64.0	61.4	61.0	62.6	10.8	9.7	11.3	11.7	12.8	11.3
<i>GOETZE/SKILES</i>	131	99	125	130	168	131	59.7	60.7	62.3	59.2	61.1	60.6	11.1	11.1	11.9	11.9	11.8	11.6
<i>ARS960277L</i>	161	104	147	137	90	128	60.4	60.4	62.2	57.7	59.1	60.0	9.7	8.8	10.4	11.4	11.9	10.4
<i>KCF9002</i>	142	89	110	152	145	128	62.1	61.9	63.1	60.9	61.1	61.8	11.7	11.4	12.6	12.6	11.9	12.0
<i>BRUNEAU</i>	166	98	136	163	73	127	61.8	61.3	62.6	60.6	58.1	60.9	9.4	9.5	11.5	10.5	11.7	10.5
<i>BRUNDAGE 96</i>	141	106	132	130	126	127	59.8	59.9	61.6	58.0	58.6	59.6	9.9	9.2	10.7	11.9	11.9	10.7
<i>LEGION</i>	162	103	137	143	89	127	59.4	58.8	61.2	57.0	57.8	58.8	10.0	9.4	10.8	11.6	11.2	10.6
<i>OR2060395</i>	138	82	129	140	142	126	58.5	59.8	61.4	57.5	59.0	59.2	10.5	9.4	11.0	11.4	11.2	10.7
<i>MADSEN</i>	148	106	127	147	103	126	60.8	60.6	61.7	59.8	59.6	60.5	11.0	10.2	11.6	11.9	11.9	11.3
<i>BRUEHL</i>	165	86	131	161	86	126	58.4	57.6	59.8	55.6	56.5	57.6	10.9	9.4	10.7	11.5	12.0	10.9
<i>SIMON</i>	147	104	129	132	115	125	60.1	60.0	61.7	59.0	59.6	60.1	10.3	9.5	11.1	11.5	11.8	10.8
<i>ARS970184-1C</i>	152	104	128	136	101	124	58.9	60.0	61.3	55.6	57.9	58.7	10.3	9.1	11.1	11.8	11.7	10.8
<i>UICF-BRUNDAGE</i>	130	100	145	113	132	124	59.3	59.6	61.2	56.6	58.4	59.0	10.0	9.2	10.9	11.4	11.8	10.7
<i>BRUEHL +25%</i>	179	87	136	143	75	124	58.6	56.5	59.9	55.0	57.4	57.5	10.1	9.4	10.9	11.2	12.2	10.8
<i>OR2040726</i>	132	100	131	143	112	124	60.3	61.7	62.7	59.0	60.7	60.9	10.9	9.8	11.0	11.6	11.4	10.9
<i>WA008092</i>	156	99	140	142	76	123	59.7	60.2	61.4	58.5	59.1	59.8	10.6	9.0	11.0	11.5	11.7	10.8
<i>ARS970170-2L</i>	126	93	142	138	111	122	57.1	60.3	62.0	56.1	60.7	59.2	11.2	9.3	10.7	11.4	10.6	10.6
<i>AP 700 CL</i>	129	96	119	136	128	122	58.5	61.1	61.6	56.9	59.2	59.5	10.8	10.2	11.6	12.0	11.6	11.2
<i>ROD</i>	148	98	143	126	92	121	58.4	59.8	60.9	57.4	58.7	59.0	10.6	9.9	10.4	11.1	11.4	10.7
<i>SALUTE</i>	139	94	133	136	105	121	59.1	59.7	61.1	58.1	58.2	59.2	10.9	9.5	11.5	11.7	11.1	10.9
<i>MADSEN/ROD</i>	123	107	142	127	107	121	59.7	60.0	61.4	58.0	58.9	59.6	10.7	9.8	11.2	12.0	11.2	11.0
<i>BITTERROOT</i>	130	89	143	121	114	119	60.5	60.1	62.4	57.8	58.5	59.9	10.0	9.6	10.9	11.2	11.7	10.7
<i>WA008116</i>	142	113	137	120	83	119	60.5	61.9	62.6	56.8	59.9	60.3	10.0	8.9	10.5	12.0	11.0	10.5
<i>WA008117</i>	146	109	133	118	88	119	60.3	61.7	62.6	56.7	60.5	60.2	10.3	9.1	11.4	12.1	11.1	10.8
<i>STEPHENS</i>	136	88	119	138	100	116	59.4	61.1	62.1	58.2	58.4	59.8	11.0	9.9	11.7	12.0	11.5	11.2
<i>MASAMI</i>	117	105	136	99	116	115	56.2	58.1	60.4	53.2	58.4	57.3	10.4	9.6	10.8	11.8	11.2	10.8
<i>FINCH</i>	124	96	132	114	104	114	59.0	61.9	62.9	56.1	60.2	60.0	10.6	9.0	10.6	11.7	11.3	10.6
<i>KCF9001</i>	139	89	135	119	87	114	60.3	60.3	62.4	58.2	59.4	60.1	10.6	10.0	11.0	11.6	12.1	11.1
<i>ORCF-103</i>	136	99	132	115	85	113	58.3	59.3	61.4	55.7	58.4	58.6	10.0	9.5	10.6	11.4	11.7	10.6
<i>BZ6W02-616</i>	150	97	111	145	62	113	62.2	61.8	63.5	58.9	60.3	61.3	9.7	9.5	12.6	10.7	12.9	11.1
<i>RJAMES</i>	131	95	139	119	80	113	56.1	58.3	60.9	53.7	57.9	57.4	10.3	9.3	10.3	11.1	11.5	10.5
<i>ELTAN/MADSEN</i>	140	80	130	125	85	112	59.5	59.3	61.9	57.1	58.6	59.3	10.2	9.6	10.7	11.7	11.8	10.8
<i>WA008093</i>	122	91	133	113	99	112	57.8	59.4	60.9	55.6	58.9	58.5	10.7	9.6	11.2	12.3	11.1	11.0
<i>WA008063</i>	116	90	130	96	126	112	58.2	61.0	62.9	54.8	58.3	59.0	11.1	9.8	11.7	12.3	12.3	11.4
<i>AP LEGACY</i>	110	94	138	95	120	111	56.2	60.0	61.6	55.1	58.3	58.2	9.8	9.1	10.8	10.7	11.2	10.3
<i>ROD/TUBBS06</i>	123	103	142	95	92	111	57.0	59.3	60.8	53.7	58.2	57.8	10.5	9.3	10.7	12.0	11.1	10.7
<i>WA008115</i>	135	80	127	115	98	111	59.6	61.1	63.3	55.4	59.7	59.8	10.1	9.3	11.6	11.7	11.6	10.9
<i>WB-528</i>	129	102	120	124	80	111	60.7	61.8	63.3	58.3	60.1	60.8	10.0	9.6	11.4	11.5	12.1	10.9
<i>XERPHA</i>	128	97	154	85	86	110	57.7	60.4	61.8	50.8	57.7	57.7	10.6	10.1	10.5	12.7	12.0	11.2
<i>GEORGE</i>	141	92	134	122	59	110	58.2	59.1	60.2	55.3	58.8	58.3	10.4	9.3	11.2	12.0	11.5	10.9
<i>WA008114</i>	128	80	116	116	102	108	58.8	61.2	63.2	55.5	58.9	59.5	10.4	9.6	11.8	11.7	11.6	11.0
<i>TUBBS 06</i>	100	103	145	96	95	108	54.8	58.6	61.1	51.9	57.8	56.8	10.6	9.2	10.6	11.5	11.1	10.6
<i>REA STEPHENS</i>	125	80	115	132	87	108	60.1	60.8	62.5	60.1	59.9	60.7	11.1	10.2	11.7	11.5	12.1	11.3
<i>WA008094</i>	125	82	135	99	95	107	59.4	60.7	62.6	55.1	59.3	59.4	10.0	9.4	10.7	11.7	11.2	10.6
<i>ID00-475-2DH</i>	102	91	141	110	84	106	58.8	61.5	63.4	55.2	58.9	59.6	10.3	9.7	10.9	11.2	11.6	10.7
<i>ELTAN/TUBBS06</i>	125	90	142	100	59	103	57.0	58.9	61.1	53.2	58.6	57.8	10.3	9.0	10.8	11.9	11.5	10.7
<i>ELTAN</i>	140	74	138	108	53	103	59.1	57.7	61.9	55.4	57.7	58.4	9.9	9.6	10.1	11.3	12.4	10.7
<i>KCF9003</i>	109	75	116	112	84	99	60.6	60.8	62.6	59.4	59.7	60.6	10.7	10.8	10.9	11.9	12.8	11.4
<i>LAMBERT</i>	94	89	127	76	83	94	53.7	58.9	61.8	49.0	57.1	56.1	11.1	9.8	10.9	11.8	11.7	11.1
<i>DH99-55-2 (Soft Red)</i>	102	74	142	80	52	90	56.5	58.3	61.0	52.4	58.8	57.4	9.9	9.2	10.7	11.3	11.7	10.6
<i>CDC PTARMIGAN</i>	74	67	138	54	53	77	50.5	56.0	60.8	46.2	58.0	54.3	10.2	9.2	10.4	11.3	11.9	10.6
CV (%)	6	9	5	9	15	9	1.1	0.8	0.6	2.1	1.5	1.3	4.0	4.4	3.9	4.2	3.8	4.1
LSD (0.10)	11	12	9	15	20	6	0.9	0.6	0.5	1.6	1.2	0.5	0.6	0.6	0.6	0.7	0.6	0.3
Average	138	96	134	126	99	119	59.2	60.2	61.9	56.8	59.1	59.4	10.4	9.6	11.0	11.6	11.7	10.8
Highest	179	123	154	178	168	148	63.6	63.1	64.0	61.4	61.2	62.6	11.7	11.4	12.6	12.7	12.9	12.0
Lowest	74	67	110	54	52	77	50.5	56.0	59.8	46.2	56.5	54.3	9.4	8.8	9.9	10.5	10.6	10.2

2010 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone 16"-20" – Preliminary Data

1. Soft White winter wheat grain yield across five locations and 60 entries in the 16"-20" precipitation zone averaged 119 bushels/acre, not significantly different than the 2009 average of 121 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 96 to 138 bushels/acre across locations and reflected this year's good growing conditions, except for stripe rust that had a large impact at most locations. Average yield among entries across locations ranged from 119 to 148 bushels/acre with Cara +25%, Cara, and Chukar the top three variety entries. Kim Campbell's club varieties performed well under stripe rust and lodging conditions this year.
3. Test weight averaged 59.4 lb/bu across locations and entries and was lower than last year's 60.1 lb/bu. Grain protein averaged 10.8% and was slightly lower than last year's 11.1% value.