

2009 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
	YIELD (BU/A)					
TUBBS 06	155	92	105	170	144	133
XERPHA	142	102	102	161	151	131
AP LEGACY	160	94	96	163	143	131
CHUKAR	139	99	89	178	145	130
CARA	146	88	97	170	144	129
ORCF-102	152	87	106	156	140	128
ARS970170-2L	139	102	95	164	141	128
OR2060324	137	101	95	163	144	128
LEGION	143	99	99	152	146	128
WB 523	152	88	97	159	142	128
FINCH	154	94	101	148	142	127
ROD/TUBBS06	147	98	95	154	143	127
OR2040726	140	89	94	166	146	127
OR2050293	144	89	93	159	143	125
SKILES	135	99	94	153	144	125
WB-528	152	90	84	151	146	125
RJAMES	144	88	102	155	133	124
WA008066	140	93	107	144	137	124
ORCF-103	140	95	98	152	135	124
MADSEN/ROD	146	90	100	146	137	124
ELTAN/TUBBS06	140	94	90	155	139	124
ID990435	143	84	95	154	141	123
AP 700 CL	144	85	95	153	140	123
ARS970071-3C	142	91	88	155	139	123
WA008065	140	95	90	142	143	122
ROD	146	96	82	147	137	122
9364901A	137	90	85	153	139	121
STEPHENS	139	95	84	147	140	121
ELTAN	138	89	103	142	131	121
BZ6W02-616	154	72	80	152	144	120
ID02-859	128	89	101	150	130	119
MADSEN	142	90	89	149	126	119
SALUTE	149	89	82	138	137	119
WA008064	138	92	85	142	138	119
WB 456	141	73	83	157	141	119
BRUNDAGE 96	135	85	89	153	133	119
SIMON	139	80	91	155	129	119
KCF08001	133	88	85	147	139	118
ELTAN/MADSEN	120	85	106	154	127	118
ORI2060306	136	83	94	148	130	118
ORCF-101	138	92	87	149	125	118
LAMBERT	126	81	85	157	142	118
MASAMI	123	94	95	145	131	118
WB 1070M	150	87	72	139	141	118
BRUEHL	116	90	99	144	138	117
WA008063	130	94	89	138	136	117
CODA	145	83	82	137	135	116
WB 1066M	139	75	83	149	133	116
WB 1020M	123	84	97	147	128	116
GEORGE	120	92	102	139	122	115
CASHUP	130	80	99	137	129	115
KCF08002	139	78	86	136	136	115
BITTERROOT	137	82	86	135	133	115
ARS970168-2C	131	76	91	142	129	114
WA008093	127	78	87	140	134	113
WA008094	114	82	95	134	126	110
WA008092	111	80	93	146	120	110
CDC PTARMIGAN	115	77	106	126	116	108
	STATISTICS					
CV (%)	6	7	11	6	4	7
LSD (0.10)	12	8	14	13	7	5
Average	138	88	93	150	137	121
Highest	160	102	107	178	151	133
Lowest	111	72	72	126	116	108

DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE TEST WEIGHT	
TEST WEIGHT (LBS/BU)						
59.3	60.7	58.9	59.5	58.9	59.5	
59.3	61.1	60.1	58.5	59.7	59.7	
60.3	61.4	60.6	60.1	60.3	60.5	
59.7	60.0	58.8	58.4	60.0	59.4	
59.2	59.8	59.4	57.8	59.1	59.1	
61.4	61.7	60.2	60.9	61.1	61.1	
59.4	61.7	60.6	60.0	60.0	60.3	
57.5	58.3	56.8	57.6	57.3	57.5	
58.4	60.8	58.7	58.1	58.2	58.8	
61.7	61.8	60.7	59.6	61.4	61.0	
61.4	62.6	61.7	60.8	61.4	61.6	
59.1	60.8	59.1	58.8	58.8	59.3	
61.0	61.5	60.2	60.4	60.9	60.8	
60.3	60.6	59.2	58.6	58.7	59.5	
60.8	61.7	59.6	59.5	61.4	60.6	
61.7	62.3	61.2	59.8	62.0	61.4	
57.5	60.5	59.1	56.4	58.5	58.4	
61.7	62.3	62.0	60.9	61.7	61.7	
60.1	61.0	60.0	57.2	60.5	59.8	
59.4	60.8	59.7	58.4	59.4	59.5	
59.9	61.0	60.3	58.7	59.8	59.9	
59.6	60.5	59.4	58.7	59.9	59.6	
59.4	62.1	59.3	59.2	59.8	60.0	
61.8	61.7	59.9	59.3	61.0	60.7	
60.8	62.8	60.7	59.4	60.7	60.9	
59.3	60.7	59.3	55.6	58.5	58.7	
61.2	61.6	60.1	59.6	60.8	60.7	
59.0	60.8	59.1	57.8	59.6	59.3	
60.4	61.4	61.1	57.5	60.4	60.2	
61.3	62.6	60.9	58.8	62.3	61.2	
59.7	60.4	58.7	59.1	59.9	59.6	
60.4	61.2	59.7	60.4	59.6	60.3	
58.6	60.0	58.7	57.1	58.6	58.6	
59.8	61.9	61.1	57.4	60.1	60.1	
61.8	62.8	61.1	61.4	62.7	62.0	
60.3	60.4	58.5	58.8	59.7	59.5	
61.2	60.3	59.9	60.1	59.7	60.2	
58.7	61.4	60.2	58.9	60.3	59.9	
60.3	61.3	60.3	59.6	60.5	60.4	
60.4	61.4	60.2	59.6	60.3	60.4	
60.3	60.7	59.3	58.7	59.9	59.8	
58.2	60.9	59.9	58.8	60.8	59.7	
58.6	60.2	59.1	57.8	58.8	58.9	
62.9	63.1	62.1	61.5	63.4	62.6	
57.8	59.5	59.8	55.3	58.8	58.2	
59.1	61.9	60.9	57.0	59.5	59.7	
61.8	62.2	61.2	59.6	62.0	61.4	
63.0	61.8	61.1	61.9	63.1	62.2	
59.7	61.4	60.3	59.3	59.7	60.1	
58.7	61.0	59.3	58.0	59.6	59.3	
61.0	61.4	60.6	58.3	60.5	60.4	
59.0	61.0	59.6	57.9	60.5	59.6	
61.4	61.4	60.4	59.7	61.1	60.8	
62.4	62.3	62.3	61.4	62.6	62.2	
59.3	61.4	59.2	57.5	58.6	59.2	
60.2	62.2	61.1	59.6	61.0	60.8	
58.8	60.9	60.3	59.2	59.0	59.6	
58.9	60.0	59.1	57.6	59.2	59.0	
	STATISTICS					
1.0	0.4	0.9	1.3	0.7	0.9	
0.8	0.3	0.7	1.0	0.6	0.3	
60.1	61.2	60.0	58.9	60.2	60.1	
63.0	63.1	62.3	61.9	63.4	62.6	
57.5	58.3	56.8	55.3	57.3	57.5	

DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE PROTEIN	
PROTEIN (%)						
11.5	10.4	10.5	9.3	11.8	10.7	
12.0	10.6	11.2	9.8	11.9	11.1	
11.0	10.4	11.2	9.6	11.0	10.6	
11.1	9.9	10.8	8.8	10.9	10.3	
11.0	10.2	11.0	9.4	10.6	10.4	
12.0	11.1	11.0	10.6	11.8	11.3	
12.3	10.5	10.6	9.7	11.7	11.0	
11.0	9.9	10.8	10.1	11.1	10.6	
12.0	10.4	11.4	10.1	11.5	11.1	
10.9	10.7	11.4	9.1	11.6	10.7	
11.9	10.3	11.2	9.9	11.3	10.9	
11.6	10.6	10.8	9.7	11.2	10.8	
11.9	10.2	11.4	10.6	11.5	11.1	
10.5	10.7	11.5	9.7	11.5	10.8	
12.4	11.8	11.8	10.4	11.8	11.6	
11.9	11.0	11.6	10.3	11.4	11.2	
11.4	10.2	10.9	9.3	11.9	10.7	
12.0	10.5	11.3	9.8	11.1	10.9	
12.0	10.7	11.1	10.6	11.6	11.2	
12.2	10.7	11.2	9.7	11.4	11.0	
11.6	10.7	11.0	10.3	11.9	11.1	
10.9	10.1	11.0	9.9	12.0	10.8	
12.2	10.6	11.5	10.3	11.7	11.3	
11.7	10.7	11.5	10.0	12.2	11.2	
12.3	10.8	11.9	10.0	12.1	11.4	
11.5	10.3	10.2	9.0	11.2	10.4	
11.2	10.4	10.8	9.6	10.8	10.6	
12.0	10.3	11.3	11.2	12.0	11.4	
11.9	11.0	11.8	9.4	11.7	11.2	
11.2	10.4	11.3	9.8	11.7	10.9	
12.6	10.1	10.9	10.4	11.7	11.1	
12.7	11.2	11.2	10.3	11.9	11.5	
11.8	10.2	11.1	10.3	11.9	11.1	
11.5	11.0	11.5	10.2	11.4	11.1	
12.8	11.1	11.6	11.1	12.2	11.8	
11.9	10.3	10.7	11.0	11.6	11.1	
11.5	11.2	11.3	10.3	11.6	11.2	
12.0	11.1	11.7	10.1	11.6	11.3	
12.3	11.0	10.4	9.8	11.7	11.0	
12.5	11.2	12.2	10.8	12.2	11.8	
12.5	11.2	11.6	11.1	12.1	11.7	
11.7	10.1	11.3	10.0	10.5	10.7	
12.0	10.1	10.7	9.9	11.3	10.8	
12.3	11.1	13.1	11.0	11.8	11.9	
12.4	10.9	11.1	9.7	12.0	11.2	
11.8	11.3	12.1	10.2	11.8	11.4	
12.0	10.5	11.7	10.9	11.9	11.4	
12.7	11.8	11.7	11.3	12.6	12.0	
12.5	10.3	11.1	10.0	11.9	11.2	
12.8	11.1	11.1	10.4	12.0	11.5	
11.0	10.2	10.9	9.7	11.0	10.6	
11.8	11.4	11.3	10.7	11.5	11.3	
11.3	11.4	11.0	9.9	11.2	11.0	
11.6	10.4	11.7	10.6	11.5	11.2	
11.7	10.8	11.4	10.5	11.8	11.2	
12.4	10.9	11.8	10.0	11.8	11.4	
12.7	11.0	11.5	10.2	12.6	11.6	
11.4	10.0	10.4	10.0	10.7	10.5	
	STATISTICS					
5.0	3.0	5.5	5.9	4.6	4.9	
0.8	0.4	0.8	0.8	0.7	0.3	
11.9	10.7	11.3	10.1	11.6	11.1	
12.8	11.8	13.1	11.3	12.6	12.0	
10.5	9.9	10.2	8.8	10.5	10.3	

2009 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone 16"-20" – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 58 entries in the 16"-20" precipitation zone averaged 121 bushels/acre, 18 bushels/acre higher than the 2008 average of 103 bushels/acre. The CV for the average data was 7. These trials were designed and analyzed as Alpha Lattice designs that overall helped to account for within replication variation and reduced LSD and CV values.
2. Test weight averaged 60.1 lb/bu across locations 1.1 lb/bu higher than last year. Grain protein averaged 11.1%, 0.8% lower than last year's 11.9% value.
3. When evaluating variety performance, consider as many locations and years as possible with similar environments. These summaries by rainfall zone are helpful because of similar environments, but also evaluate variety performance across years that can show variety adaptation. Past performance of a variety across locations and years is the best predictor of future performance.