

## 2009 WSU SOFT WHITE WINTER WHEAT TRIAL SUMMARY

Precipitation Zone= <12"

VARIETY NAME <i>(SWH Club in italics)</i>	CONNELL	HORSE HEAVEN	LIND	RITZVILLE	ST. ANDREWS	AVERAGE YIELD	CONNELL	HORSE HEAVEN	LIND	RITZVILLE	ST. ANDREWS	AVERAGE TEST WEIGHT	CONNELL	HORSE HEAVEN	LIND	RITZVILLE	ST. ANDREWS	AVERAGE PROTEIN
	YIELD (BU/A)						TEST WEIGHT (LBS/BU)						PROTEIN (%)					
ELTAN	52	15	35	64	29	39	58.9	58.5	60.9	61.0	59.6	59.8	13.2	14.9	12.4	9.9	9.7	12.0
XERPHA	50	15	28	60	37	38	59.2	60.4	58.6	59.9	58.7	59.4	13.1	15.2	12.7	9.8	9.2	12.0
ARS970071-3C	47	12	29	56	42	37	58.5	59.2	59.9	60.0	59.0	59.3	13.9	15.8	13.6	10.6	11.0	13.0
ORCF-103	53	13	35	54	29	37	59.4	59.2	60.3	60.7	59.0	59.7	14.4	15.9	12.6	11.1	9.6	12.7
AP LEGACY	50	13	36	56	29	37	58.7	58.9	59.5	59.4	58.9	59.1	12.1	14.8	12.8	10.4	10.1	12.0
ELTAN/MADSEN	52	13	32	61	26	37	59.1	58.9	60.9	60.7	59.1	59.7	13.6	15.6	12.1	10.3	10.2	12.4
GEORGE	49	10	34	60	30	37	58.0	58.6	59.3	59.6	58.3	58.8	14.1	15.5	12.6	10.2	10.0	12.5
ELTAN/TUBBS06	51	14	33	56	28	36	58.7	58.4	60.9	60.7	58.6	59.5	13.7	15.2	12.5	10.0	10.5	12.4
LEGION	59	14	23	56	28	36	58.4	58.7	58.2	58.8	59.3	58.7	12.8	16.2	12.9	10.0	10.6	12.5
MASAMI	49	13	31	58	30	36	57.8	58.4	59.3	59.5	58.5	58.7	14.0	15.7	12.2	10.1	10.2	12.4
ARS970170-2L	49	13	35	53	30	36	58.6	58.8	59.4	60.2	59.0	59.2	15.2	15.6	12.9	10.2	10.7	12.9
SKILES	56	14	32	47	30	36	58.7	58.6	59.7	60.6	59.1	59.3	14.0	15.4	14.4	11.6	10.6	13.2
FINCH	54	9	32	53	30	36	60.4	59.9	59.3	60.4	60.0	60.0	12.8	14.8	12.8	10.9	10.0	12.3
RJAMES	53	12	29	56	26	35	56.4	56.1	58.4	58.8	57.6	57.5	13.1	15.5	12.1	10.1	10.0	12.2
WA008066	48	12	38	51	27	35	59.7	59.3	59.7	60.5	60.1	59.9	13.1	15.0	12.3	10.9	10.0	12.3
ARS970168-2C	47	13	28	54	33	35	60.9	58.8	60.6	61.2	60.4	60.4	13.5	15.0	12.6	10.8	10.9	12.6
BRUEHL	47	11	29	57	29	35	58.1	60.5	58.3	60.8	59.2	59.4	14.7	15.1	12.7	10.6	10.8	12.8
WB-528	52	15	25	46	35	35	61.1	59.8	59.6	61.0	60.0	60.3	12.9	15.1	13.9	10.9	10.7	12.7
WB 1020M	44	13	26	52	38	34	59.7	60.7	60.6	60.4	59.6	60.2	14.0	15.1	12.9	10.6	9.4	12.4
WA008092	46	12	34	54	26	34	58.8	60.5	58.8	60.7	58.8	59.5	13.7	15.0	12.3	10.8	10.7	12.5
WA008094	48	11	33	53	26	34	59.4	59.7	58.5	61.0	60.0	59.7	14.4	15.3	12.2	10.8	9.6	12.5
OR2060324	45	11	--	41	35	33	56.3	57.4	--	56.0	54.7	56.1	12.1	14.6	--	11.0	9.7	11.9
ORCF-102	49	13	23	51	28	32	59.8	60.0	58.2	60.6	59.6	59.6	13.8	16.1	13.4	11.4	10.3	13.0
WB 1066M	47	14	21	52	27	32	61.5	59.5	60.1	61.1	60.0	60.4	14.0	15.7	13.7	11.2	11.0	13.1
WA008065	47	13	25	49	28	32	59.2	59.4	59.6	61.0	60.4	59.9	14.3	16.3	13.5	11.8	11.8	13.5
ID02-859	43	12	23	50	34	32	57.9	57.9	58.7	58.8	58.1	58.3	14.0	16.1	13.1	11.0	10.2	12.9
WB 523	45	11	25	55	23	32	60.3	60.4	59.6	61.2	59.6	60.2	13.7	15.8	13.6	11.2	10.7	13.0
CARA	40	9	24	50	37	32	57.0	58.3	58.5	58.4	57.4	57.9	14.6	16.4	13.0	10.7	11.1	13.2
ROD/TUBBS06	51	10	20	48	31	32	58.0	58.2	57.1	58.8	58.3	58.1	12.9	15.7	13.2	10.9	10.7	12.7
OR2040726	47	12	22	49	29	32	59.7	57.7	56.8	59.4	58.3	58.4	13.2	16.1	13.3	11.2	10.4	12.8
CHUKAR	47	11	19	40	43	32	58.7	59.3	55.1	58.4	57.7	57.8	14.3	16.1	13.1	11.0	10.0	12.9
CDC PTARMIGAN	38	14	23	54	29	32	57.5	59.1	58.1	58.7	58.1	58.3	13.5	15.2	12.2	10.5	10.5	12.4
BRUNDAGE 96	46	12	23	48	29	32	58.6	57.8	59.3	59.1	57.6	58.5	13.3	15.9	13.0	10.9	10.5	12.7
WA008063	47	12	28	53	20	32	58.4	58.6	60.3	60.1	59.1	59.3	14.5	15.8	13.8	11.0	12.5	13.5
TUBBS 06	50	13	24	45	26	32	57.8	57.8	58.4	59.1	58.3	58.3	13.7	15.6	13.0	11.6	10.1	12.8
MADSEN/ROD	48	12	14	50	31	31	58.9	59.0	56.6	59.9	58.2	58.5	14.1	15.8	13.4	10.7	10.5	12.9
WA008064	51	11	24	44	26	31	58.6	59.1	60.4	60.1	59.9	59.6	14.5	16.3	13.7	11.6	11.6	13.5
CODA	48	8	20	45	34	31	60.6	60.9	60.3	61.0	60.0	60.6	13.1	16.4	13.1	12.0	10.1	12.9
WA008093	47	10	25	53	21	31	59.1	61.2	60.5	60.7	59.4	60.2	14.2	15.7	13.2	10.8	11.4	13.1
ROD	52	11	21	44	27	31	58.3	57.7	56.6	58.2	58.0	57.8	13.4	15.1	12.8	11.2	10.9	12.7
BITTERROOT	46	13	20	50	25	31	60.4	61.3	58.0	61.0	59.6	60.1	13.1	15.3	13.5	10.5	10.7	12.6
BZ6W02-616	46	14	19	54	21	31	60.5	59.0	60.6	60.9	61.1	60.4	13.5	15.2	13.6	10.5	11.2	12.8
9364901A	41	12	17	54	30	31	60.1	58.8	57.9	60.2	59.5	59.3	12.7	14.3	13.4	11.0	10.4	12.4
MADSEN	46	11	17	49	28	30	59.1	59.9	58.5	60.0	58.9	59.3	14.0	16.3	13.8	10.9	10.8	13.2
SALUTE	39	11	28	44	27	30	57.3	57.3	57.4	58.4	55.7	57.2	13.9	15.7	13.2	11.2	10.7	12.9
AP 700 CL	46	11	20	47	25	30	58.9	58.5	59.3	59.6	58.5	59.0	13.1	16.1	13.9	11.5	11.5	13.2
ORI2060306	44	12	19	44	28	29	58.9	58.4	57.0	60.0	59.6	58.8	14.8	16.7	13.8	12.1	11.1	13.7
STEPHENS	48	13	21	41	25	29	58.6	57.4	57.8	58.6	58.7	58.2	13.3	15.7	13.1	11.9	11.1	13.0
LAMBERT	47	12	15	44	28	29	59.7	58.3	58.8	60.0	58.4	59.0	13.2	15.9	12.5	11.3	9.4	12.5
SIMON	44	13	18	44	26	29	59.4	58.8	56.9	60.0	59.2	58.9	13.8	15.1	13.4	12.2	10.5	13.0
CASHUP	39	11	24	44	25	29	59.3	60.3	60.2	60.9	58.6	59.9	13.3	15.4	13.0	11.3	10.7	12.7
ORCF-101	46	11	18	40	28	29	59.2	58.5	57.0	58.7	58.7	58.4	13.7	16.2	14.0	12.2	10.6	13.3
OR2050293	47	13	19	42	22	28	57.4	55.3	58.1	56.7	56.4	56.8	12.9	15.5	13.0	12.2	11.1	12.9
KCF08001	39	12	20	40	29	28	59.3	59.7	58.2	59.9	59.0	59.2	13.9	14.8	14.0	11.6	10.6	13.0
WB 456	39	15	20	46	20	28	59.4	58.9	60.5	61.4	60.8	60.2	15.9	16.3	14.5	12.1	11.5	14.1
ID990435	44	13	13	44	25	28	59.3	58.4	58.4	59.1	58.5	58.7	13.6	15.1	13.4	11.6	9.9	12.7
KCF08002	40	12	11	45	28	27	59.5	59.6	57.2	60.1	58.2	58.9	13.8	14.9	14.0	11.6	11.3	13.1
WB 1070M	45	13	13	33	22	25	62.4	60.9	59.6	61.7	61.2	61.2	14.5	15.7	14.8	12.8	13.8	14.3
	STATISTICS						STATISTICS						STATISTICS					
CV (%)	9	13	24	8	15	13	1.0	--	2.3	0.8	1.1	1.5	5.2	3.2	4.1	5.5	7.0	4.9
LSD (0.10)	6	2	8	6	6	3	0.8	--	1.8	0.6	0.9	0.6	1.0	0.7	0.7	0.8	1.0	0.4
Average	47	12	24	50	29	32	59.0	59.0	58.9	59.9	58.9	59.1	13.7	15.6	13.2	11.1	10.6	12.8
Highest	59	15	38	64	43	39	62.4	61.3	60.9	61.7	61.2	61.2	15.9	16.7	14.8	12.8	13.8	14.3
Lowest	38	8	11	33	20	25	56.3	55.3	55.1	56.0	54.7	56.1	12.1	14.3	12.1	9.8	9.2	11.8

## 2009 WSU Soft White Winter Wheat Trial Summary

### Precipitation Zone <12" – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 58 entries in the <12" precipitation zone averaged 32 bushels/acre, two bushels/acre higher than the 2008 average of 30 bushels/acre. The CV for the average data was 13 and that was lower than the CV of 18 in 2008. The CVs in these experiments are higher than desired, but the trials still provide useful data. There was a lot of variability in fall establishment in the zone due to dry planting conditions and some of that variability carried through the trials. These trials were designed and all except Lind were analyzed as Alpha Lattice designs that overall helped to account for within replication variation and reduced LSD and CV values.

2. Test weight averaged 59.1 lb/bu across locations also slightly higher than last year. Grain protein averaged 12.8% nearly equaling last year's 12.7% value. Protein was higher than desired for soft white wheat, and hopefully will not adversely affect marketing of the 2009 crop.