

## 2009 WSU SOFT WHITE SPRING WHEAT TRIAL SUMMARY

### Precipitation Zone= 12"- 16"

VARIETY NAME (SWH Club in italics)	ALMIRA	ENDICOTT	LAMONT	AVERAGE YIELD	ALMIRA	ENDICOTT	LAMONT	AVERAGE TEST WEIGHT	ALMIRA	ENDICOTT	LAMONT	AVERAGE PROTEIN
	YIELD (BU/A)				TW (LBS/BU)				PROTEIN (%)			
WA008089	65	68	52	<b>62</b>	60.5	62.3	60.7	<b>61.2</b>	11.1	11.3	11.0	<b>11.2</b>
BZ604-002	62	67	51	<b>60</b>	60.5	61.9	60.4	60.9	11.6	12.5	11.7	11.9
LOUISE	65	64	52	<b>60</b>	60.2	61.5	60.2	60.6	11.4	12.0	11.3	11.6
NICK	64	63	53	<b>60</b>	60.8	61.3	60.1	60.7	12.0	12.8	11.9	12.2
WA008106	61	67	49	<b>59</b>	60.6	61.6	60.7	61.0	11.3	11.8	11.3	11.5
<i>JD (HSR)</i>	60	64	50	58	61.4	62.2	60.6	<b>61.4</b>	11.9	12.9	11.9	12.2
WA008090	57	61	55	58	59.9	61.3	60.8	60.7	11.1	12.0	11.0	11.4
WA008112	58	72	43	58	56.7	59.7	58.3	58.2	11.8	11.5	11.1	11.5
ZAK	57	65	51	58	59.1	60.7	59.9	59.9	11.9	12.8	11.9	12.2
ALTURAS	55	74	43	58	59.5	61.2	59.4	60.0	11.4	11.6	10.7	<b>11.2</b>
WAKANZ	58	69	46	57	58.5	60.1	59.1	59.2	11.9	12.1	11.9	12.0
<i>EDEN (HSR)</i>	70	58	44	57	60.5	62.1	60.5	61.0	11.2	11.8	11.2	11.4
BABE	63	60	47	57	61.1	60.6	60.5	60.7	11.5	12.2	10.9	11.5
WHIT	65	65	39	56	59.7	60.6	59.2	59.8	11.6	12.1	11.7	11.8
WA008039HF	64	58	45	56	61.3	61.2	60.1	60.9	11.6	12.4	11.4	11.8
WA008041	61	60	46	56	58.0	59.8	58.8	58.9	11.7	12.9	11.8	12.1
CATALDO	53	66	47	55	58.8	60.9	59.1	59.6	11.9	12.2	11.3	11.8
<i>EDEN</i>	65	57	42	54	60.3	62.1	60.5	61.0	11.2	11.9	11.4	11.5
<i>JD</i>	58	59	44	54	60.9	62.1	60.5	<b>61.2</b>	11.6	12.7	11.6	12.0
WA008104	61	59	41	53	60.0	62.1	60.9	61.0	11.9	12.6	11.6	12.0
WA008059	55	54	49	53	59.2	59.5	59.1	59.3	12.9	14.3	13.0	13.4
ALPOWA	57	60	40	52	59.8	61.2	60.2	60.4	11.2	12.9	11.2	11.8
WA008108	58	54	41	51	61.3	61.2	60.6	61.0	11.7	12.7	11.8	12.1
WA008058	54	48	48	50	59.7	60.0	59.7	59.8	12.8	14.5	12.8	13.4
	STATISTICS				STATISTICS				STATISTICS			
CV (%)	8	8	13	9	1.1	0.8	0.7	0.9	2.5	1.8	3.3	2.6
LSD (0.10)	6	7	8	4	0.9	0.7	0.6	0.4	0.4	0.3	0.5	0.2
Average	60	62	47	56	59.9	61.1	60.0	60.4	11.7	12.4	11.6	11.9
Highest	70	74	55	62	61.4	62.3	60.9	61.4	12.9	14.5	13.0	13.4
Lowest	53	48	39	50	56.7	59.5	58.3	58.2	11.1	11.3	10.7	11.2

1. Soft white spring wheat grain yield across three locations and 24 entries in the 12"-16" precipitation zone averaged 56 bu/ac, 10 bu/ac higher than the 2008 average. These trials were analyzed as alpha lattice designs that overall helped to account for within-replication variation and reduced LSD and CV values. The highest value and other values within the LSD range are shown in bold for yield and test weight, but the lowest group is bolded for protein.
2. Club varieties are indicated by italicized print and the (HSR) designates a 20% higher seeding rate for two club varieties. The HSR entries averaged 3.5 bu/ac higher yield than those varieties seeded at the conventional seeding rate. This yield difference due to seeding rate supports the hypothesis that club cultivars tend to tiller less and need higher plant populations to produce to their capability.
3. Test weight averaged 60.4 lb/bu across locations and entries, with a range of 58.2 lb/bu to 61.4 lb/bu. Test weights averaged 0.3 lb/bu higher than last year. Grain protein averaged 11.9% with a range of 11.2% to 13.4%, 0.3% lower than last year's average.