

**2009 WSU SOFT WHITE SPRING WHEAT TRIAL SUMMARY**  
**Precipitation Zone= 16"-20"**

VARIETY NAME (SWH Club in italics)	DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE YIELD
<b>YIELD (BU/A)</b>						
BABE	42	60	63	91	104	<b>72</b>
ALTURAS	42	60	66	88	97	<b>71</b>
LOUISE	42	62	57	95	96	<b>70</b>
ZAK	45	58	63	88	95	<b>70</b>
WA008106	39	55	66	86	101	69
WA008089	40	57	56	89	103	69
WHIT	39	59	61	91	95	69
BZ604-002	44	54	61	92	95	69
<i>JD (HSR)</i>	43	55	58	89	98	69
WA008090	41	60	55	94	94	69
WAKANZ	48	57	50	88	99	68
WA008039HF	36	56	59	88	102	68
WA008112	43	60	53	89	92	67
<i>JD</i>	42	57	59	85	92	67
NICK	46	56	50	82	96	66
<i>EDEN (HSR)</i>	43	50	52	86	95	65
ALPOWA	34	55	54	83	99	65
<i>EDEN</i>	40	56	44	84	97	64
WA008104	34	51	58	84	92	64
WA008041	35	53	44	87	96	63
WA008108	39	53	52	78	93	63
CATALDO	35	51	56	76	89	61
WA008059	30	43	50	78	90	58
WA008058	26	46	39	73	89	55
<b>STATISTICS</b>						
CV (%)	8	9	11	4	6	7
LSD (0.10)	4	7	8	5	8	3
Average	39	55	55	86	96	66
Highest	48	62	66	95	104	72
Lowest	26	43	39	73	89	55

DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE TEST WEIGHT
<b>TEST WEIGHT (LBS/BU)</b>					
58.2	61.8	62.9	62.2	60.6	61.1
57.2	60.9	62.3	61.0	60.5	60.4
57.9	62.1	62.1	61.7	60.8	60.9
56.7	60.6	61.6	61.4	60.1	60.1
58.4	61.5	62.6	62.0	61.8	61.3
57.7	62.0	63.1	62.7	60.7	61.2
57.5	60.8	62.1	61.2	60.2	60.4
59.1	62.0	62.2	62.2	61.8	61.5
59.5	62.5	63.1	63.4	62.2	<b>62.1</b>
58.2	62.1	62.2	62.2	61.0	61.1
56.5	60.4	60.5	61.5	59.4	59.7
58.5	61.7	62.6	62.4	61.1	61.3
54.9	60.3	61.3	60.8	58.3	59.1
59.4	62.4	63.2	63.0	61.9	<b>62.0</b>
59.0	61.4	61.8	61.4	60.5	60.8
59.7	62.6	63.1	62.5	61.7	<b>61.9</b>
57.6	62.2	61.9	62.3	60.9	61.0
59.5	62.2	62.6	62.7	61.8	61.8
58.6	62.5	63.3	62.8	61.3	61.7
56.3	60.1	60.8	60.7	58.7	59.3
59.3	62.2	62.3	62.3	61.0	61.4
57.4	60.5	61.4	60.3	60.2	60.0
56.9	61.0	60.9	61.7	60.9	60.3
57.1	60.9	60.8	61.8	60.9	60.3
<b>STATISTICS</b>					
0.8	0.5	0.8	0.4	0.9	0.7
0.6	0.4	0.7	0.3	0.7	0.3
58.0	61.5	62.1	61.9	60.8	60.9
59.7	62.6	63.3	63.4	62.2	62.1
54.9	60.1	60.5	60.3	58.3	59.1

DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE PROTEIN
<b>PROTEIN (%)</b>					
12.7	11.4	12.7	10.7	10.4	11.6
12.3	10.9	11.7	10.2	10.7	<b>11.2</b>
12.3	10.8	11.9	10.6	10.5	<b>11.2</b>
13.5	12.3	12.8	11.2	11.2	12.2
12.0	11.7	11.8	10.5	10.7	<b>11.3</b>
12.3	11.0	11.6	10.4	10.6	<b>11.2</b>
13.0	11.9	12.2	10.8	10.8	11.7
13.3	12.1	12.6	10.7	11.0	11.9
13.2	11.6	12.9	11.3	11.4	12.1
12.5	11.6	12.7	10.9	10.6	11.7
12.7	11.9	13.1	11.1	10.9	11.9
12.7	11.3	12.2	11.1	10.7	11.6
12.5	11.2	12.1	10.7	10.8	11.5
13.0	12.2	12.9	11.1	11.4	12.1
13.2	12.4	13.2	11.4	11.3	12.3
12.2	11.7	12.0	10.2	10.6	<b>11.3</b>
12.5	11.6	12.8	10.9	10.6	11.7
12.1	11.5	12.3	10.4	10.6	11.4
12.9	12.4	12.7	11.5	11.1	12.1
12.8	12.5	12.9	11.2	10.9	12.1
13.6	12.8	13.3	11.1	11.2	12.4
13.2	11.6	12.3	11.0	11.2	11.9
14.6	13.4	14.4	12.1	12.1	13.3
14.5	13.6	14.3	12.3	12.1	13.4
<b>STATISTICS</b>					
1.7	3.0	2.0	2.6	2.0	2.3
0.3	0.5	0.4	0.4	0.3	0.2
12.9	11.9	12.6	11.0	11.0	11.9
14.6	13.6	14.4	12.3	12.1	13.4
12.0	10.8	11.6	10.2	10.4	11.2

**2009 WSU HARD SPRING WHEAT TRIAL SUMMARY**  
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VARIETY NAME	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 (%)					
<b>Hard Red Spring</b>	<b>YIELD (BU/A)</b>						<b>TEST WEIGHT (LBS/BU)</b>						<b>PROTEIN (%)</b>					
BULLSEYE	40	56	49	79	92	63	59.9	62.9	63.2	62.8	62.5	<b>62.3</b>	14.9	14.1	14.9	14.3	12.7	14.2
SCARLET	37	60	47	79	89	62	57.1	59.1	61.1	60.1	59.6	59.4	15.3	14.2	15.8	15.5	13.7	14.9
HANK	40	51	51	76	88	61	58.6	60.3	61.2	59.9	60.4	60.1	15.9	14.9	15.6	14.5	13.5	14.9
LASSIK	40	54	40	85	88	61	59.4	61.3	61.2	61.1	60.9	60.8	14.4	14.7	15.0	13.7	12.7	14.1
JEFFERSON	37	52	50	78	88	61	59.8	60.9	61.6	61.1	60.7	60.8	14.8	14.9	16.0	15.2	13.8	14.9
KELSE	40	47	48	79	89	60	58.5	60.9	61.6	60.7	61.1	60.6	16.0	15.4	16.1	15.7	14.0	15.4
JEDD	35	51	50	78	87	60	60.1	62.0	62.9	61.9	62.4	61.9	14.8	14.9	15.1	13.9	12.9	14.3
VOLT	36	54	49	72	88	60	59.0	61.9	61.7	62.0	61.9	61.3	14.2	14.7	15.5	14.7	12.8	14.4
UI WINCHESTER	32	54	49	76	85	59	60.1	61.4	62.0	61.1	61.7	61.3	15.4	14.5	15.1	14.3	13.3	14.5
BUCK PRONTO	33	51	47	75	82	58	58.1	60.1	60.9	60.2	60.4	59.9	17.0	16.2	17.1	16.2	15.2	<b>16.3</b>
WA008027	32	46	47	71	85	56	58.4	60.4	60.8	60.7	61.4	60.3	16.2	16.6	16.5	16.4	14.7	16.1
TARA 2002	25	47	47	74	87	56	58.1	61.0	60.9	61.0	60.6	60.3	16.0	15.3	15.7	14.8	14.1	15.2
WA008074	29	52	49	65	84	56	58.9	61.5	61.9	61.6	61.2	61.0	15.1	14.5	15.3	15.4	13.7	14.8
HOLLIS	32	48	45	74	79	56	58.8	60.2	61.1	60.5	60.8	60.3	15.6	15.8	15.7	16.0	14.4	15.5
WA008072	27	46	50	69	85	55	58.7	60.7	61.9	61.2	61.2	60.7	15.3	15.3	16.1	15.2	13.5	15.1
WESTBRED 926	27	48	47	67	83	54	58.0	60.2	60.5	60.0	60.4	59.8	16.6	15.8	16.0	15.6	14.2	15.6
NPBHR70	29	48	45	67	81	54	58.0	60.1	60.7	60.1	60.3	59.8	15.8	14.9	15.9	15.5	14.3	15.3
WA008075	30	46	47	66	80	54	59.1	61.1	62.1	61.5	61.9	61.1	16.3	16.1	16.2	15.8	14.4	15.8
WA008076	29	43	47	68	82	54	58.3	60.9	62.1	61.3	61.3	60.8	15.3	15.3	16.0	15.2	14.5	15.3
OR4990114	29	47	44	61	81	52	58.4	60.5	61.9	60.4	60.5	60.3	15.0	14.9	15.7	14.7	12.9	14.6
<b>Hard White Spring</b>	<b>YIELD (BU/A)</b>						<b>TEST WEIGHT (LBS/BU)</b>						<b>PROTEIN (%)</b>					
<b>WA008079</b>	43	61	60	84	100	<b>70</b>	57.9	61.0	62.0	61.0	61.0	60.6	13.6	12.8	13.8	13.0	11.5	12.9
<b>BZ903-445WP</b>	39	58	56	88	102	<b>68</b>	57.9	60.3	60.7	60.0	60.2	59.8	14.6	13.8	15.2	13.9	12.5	14.0
<b>OTIS</b>	42	60	56	87	95	<b>68</b>	58.5	61.3	62.6	61.8	61.3	61.1	13.8	13.4	14.1	13.3	11.5	13.2
WA008101	34	53	62	81	95	65	59.0	61.1	62.0	61.7	61.0	61.0	12.8	13.5	13.6	12.8	12.0	12.9
WA008100	36	52	59	87	89	64	57.3	61.4	61.5	61.2	61.1	60.5	12.6	13.1	13.6	12.8	11.3	12.7
WA008078	33	51	60	78	92	63	58.9	61.3	61.7	61.0	61.5	60.9	14.8	14.1	14.8	14.1	12.7	14.1
MACON	34	53	54	73	87	60	58.6	60.8	61.8	60.8	61.0	60.6	13.7	13.1	13.8	12.8	12.0	13.1
RS110348W	34	53	50	75	85	59	59.7	61.8	62.1	60.9	61.7	61.2	14.1	13.9	14.8	13.6	12.4	13.8
CLEAR WHITE	29	47	54	71	86	57	58.6	61.1	62.0	60.9	61.1	60.7	13.5	13.1	13.6	13.2	12.1	13.1
BLANCA GRANDE	25	44	44	65	79	51	60.2	62.7	61.9	62.0	62.9	61.9	15.6	14.9	15.6	15.2	13.8	15.0
	<b>STATISTICS</b>						<b>STATISTICS</b>						<b>STATISTICS</b>					
CV (%)	10	7	10	8	4	7	0.8	0.9	0.5	0.8	0.6	0.7	2.0	2.7	2.9	2.9	2.4	2.6
LSD (0.10)	5	5	7	8	5	3	0.7	1.3	0.4	0.6	0.5	0.3	0.4	0.6	0.6	0.6	0.4	0.2
Average	34	51	50	75	87	59	58.7	61.0	61.7	61.0	61.1	60.7	15.0	14.6	15.3	14.6	13.2	14.5
Highest	43	61	62	88	102	70	60.2	62.9	63.2	62.8	62.9	62.3	17.0	16.6	17.1	16.4	15.2	16.3
Lowest	25	43	40	61	79	51	57.1	59.1	60.5	59.9	59.6	59.4	12.6	12.8	13.6	12.8	11.3	12.7

## 2009 WSU Hard Spring Wheat Trial Summary

### Precipitation Zone 12"-16" – Preliminary Data

1. Hard spring wheat (including red and white) grain yield across three locations, 20 hard red entries, and 10 hard white entries in the 12"-16" precipitation zone averaged 51 bushels/acre, seven bushels/acre 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, test weight, and protein.

2. Test weight averaged 60.6 lb/bu across locations and entries, with a range of 59.6 lb/bu to 61.7 lb/bu. Test weights averaged higher than last year. Grain protein averaged 15.1% with a range of 13.1% to 17.1%, 0.5% higher than last year's average.

## 2009 WSU Soft White Spring Wheat Trial Summary

### Precipitation Zone 12"-16" – Preliminary Data

1. Soft white spring wheat grain yield across three locations, and 24 entries in the 12"-16" precipitation zone averaged 56 bushels/acre, 10 bushels/acre 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, test weight, and protein.

2. Club varieties are indicated by italic print and the 'hsr ' designates a 20% higher seeding rate for two club varieties. The hsr entries averaged 3.5 bushels/acre 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 slightly higher than last year. Grain protein averaged 11.9% with a range of 11.2% to 13.4%, slightly lower than last year's average.