

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	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 (%)					
BABE	42	60	63	91	104	72	58.2	61.8	62.9	62.2	60.6	61.1	12.7	11.4	12.7	10.7	10.4	11.6
ALTURAS	42	60	66	88	97	71	57.2	60.9	62.3	61.0	60.5	60.4	12.3	10.9	11.7	10.2	10.7	11.2
LOUISE	42	62	57	95	96	70	57.9	62.1	62.1	61.7	60.8	60.9	12.3	10.8	11.9	10.6	10.5	11.2
ZAK	45	58	63	88	95	70	56.7	60.6	61.6	61.4	60.1	60.1	13.5	12.3	12.8	11.2	11.2	12.2
WA008106	39	55	66	86	101	69	58.4	61.5	62.6	62.0	61.8	61.3	12.0	11.7	11.8	10.5	10.7	11.3
<i>WA008089</i>	40	57	56	89	103	69	57.7	62.0	63.1	62.7	60.7	61.2	12.3	11.0	11.6	10.4	10.6	11.2
WHIT	39	59	61	91	95	69	57.5	60.8	62.1	61.2	60.2	60.4	13.0	11.9	12.2	10.8	10.8	11.7
BZ604-002	44	54	61	92	95	69	59.1	62.0	62.2	62.2	61.8	61.5	13.3	12.1	12.6	10.7	11.0	11.9
<i>JD (HSR)</i>	43	55	58	89	98	69	59.5	62.5	63.1	63.4	62.2	62.1	13.2	11.6	12.9	11.3	11.4	12.1
WA008090	41	60	55	94	94	69	58.2	62.1	62.2	62.2	61.0	61.1	12.5	11.6	12.7	10.9	10.6	11.7
WAKANZ	48	57	50	88	99	68	56.5	60.4	60.5	61.5	59.4	59.7	12.7	11.9	13.1	11.1	10.9	11.9
WA008039HF	36	56	59	88	102	68	58.5	61.7	62.6	62.4	61.1	61.3	12.7	11.3	12.2	11.1	10.7	11.6
WA008112	43	60	53	89	92	67	54.9	60.3	61.3	60.8	58.3	59.1	12.5	11.2	12.1	10.7	10.8	11.5
<i>JD</i>	42	57	59	85	92	67	59.4	62.4	63.2	63.0	61.9	62.0	13.0	12.2	12.9	11.1	11.4	12.1
NICK	46	56	50	82	96	66	59.0	61.4	61.8	61.4	60.5	60.8	13.2	12.4	13.2	11.4	11.3	12.3
<i>EDEN (HSR)</i>	43	50	52	86	95	65	59.7	62.6	63.1	62.5	61.7	61.9	12.2	11.7	12.0	10.2	10.6	11.3
ALPOWA	34	55	54	83	99	65	57.6	62.2	61.9	62.3	60.9	61.0	12.5	11.6	12.8	10.9	10.6	11.7
<i>EDEN</i>	40	56	44	84	97	64	59.5	62.2	62.6	62.7	61.8	61.8	12.1	11.5	12.3	10.4	10.6	11.4
WA008104	34	51	58	84	92	64	58.6	62.5	63.3	62.8	61.3	61.7	12.9	12.4	12.7	11.5	11.1	12.1
WA008041	35	53	44	87	96	63	56.3	60.1	60.8	60.7	58.7	59.3	12.8	12.5	12.9	11.2	10.9	12.1
WA008108	39	53	52	78	93	63	59.3	62.2	62.3	62.3	61.0	61.4	13.6	12.8	13.3	11.1	11.2	12.4
CATALDO	35	51	56	76	89	61	57.4	60.5	61.4	60.3	60.2	60.0	13.2	11.6	12.3	11.0	11.2	11.9
WA008059	30	43	50	78	90	58	56.9	61.0	60.9	61.7	60.9	60.3	14.6	13.4	14.4	12.1	12.1	13.3
WA008058	26	46	39	73	89	55	57.1	60.9	60.8	61.8	60.9	60.3	14.5	13.6	14.3	12.3	12.1	13.4
	STATISTICS						STATISTICS						STATISTICS					
CV (%)	8	9	11	4	6	7	0.8	0.5	0.8	0.4	0.9	0.7	1.7	3.0	2.0	2.6	2.0	2.3
LSD (0.10)	4	7	8	5	8	3	0.6	0.4	0.7	0.3	0.7	0.3	0.3	0.5	0.4	0.4	0.3	0.2
Average	39	55	55	86	96	66	58.0	61.5	62.1	61.9	60.8	60.9	12.9	11.9	12.6	11.0	11.0	11.9
Highest	48	62	66	95	104	72	59.7	62.6	63.3	63.4	62.2	62.1	14.6	13.6	14.4	12.3	12.1	13.4
Lowest	26	43	39	73	89	55	54.9	60.1	60.5	60.3	58.3	59.1	12.0	10.8	11.6	10.2	10.4	11.2

1. Soft white spring wheat grain yield across five locations and 24 entries in the 16"- 20" precipitation zone averaged 66 bu/ac, 19 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 1.5 bu/ac higher yield than those varieties seeded at the conventional seeding rate. A larger yield advantage for higher club seeding rate was found in the 12"-16" average data.
3. Test weight averaged 60.9 lb/bu across locations and entries, with a range of 59.1 lb/bu to 62.1 lb/bu. Test weights averaged 1.2 lb/bu higher than last year. Grain protein averaged 11.9% with a range of 11.2% to 13.4%, nearly equal to last year's average of 11.7%.