

**2010 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 (%)					
ALTURAS	53	33	101	41	103	66	56.1	51.2	61.1	55.1	57.6	56.2	11.5	13.6	9.8	11.7	13.6	12.0
BABE	56	46	105	38	79	65	55.8	55.8	61.8	53.8	56.2	56.7	11.2	12.5	10.1	12.3	14.4	12.1
DIVA	54	39	96	42	90	64	55.9	52.9	61.3	54.9	56.5	56.3	11.4	12.9	10.0	12.3	13.5	12.0
<i>JD</i>	55	37	95	48	86	64	56.7	54.2	62.7	56.8	58.3	57.7	12.0	14.3	10.5	12.7	14.3	12.8
IDO671	54	31	102	38	95	64	57.0	50.9	61.3	55.1	58.0	56.5	11.0	13.2	9.8	12.2	13.6	12.0
IDO599	49	41	98	31	100	64	55.9	53.2	60.7	54.7	54.7	55.8	11.9	13.5	10.3	12.5	13.9	12.4
WA008106	48	33	93	41	103	64	56.9	53.2	61.7	56.2	60.1	57.6	11.4	13.4	10.2	11.8	12.8	11.9
<i>EDEN +25%</i>	58	38	95	43	83	63	57.9	53.0	62.3	56.6	57.6	57.5	11.5	13.9	10.0	12.1	13.6	12.2
WA008124	51	39	93	41	92	63	55.2	53.6	59.9	55.5	55.7	56.0	12.7	13.9	10.1	12.9	14.5	12.8
<i>JD +25%</i>	60	33	95	45	82	63	57.4	52.7	62.8	57.0	58.3	57.6	12.2	14.2	10.5	12.8	14.1	12.8
WAKANZ	63	43	97	43	66	62	55.5	52.4	60.1	55.0	51.2	54.8	11.9	13.6	10.3	12.1	15.0	12.6
WHIT	51	42	99	44	74	62	54.4	51.2	60.7	55.0	54.7	55.2	11.6	13.7	10.0	12.0	14.3	12.3
<i>EDEN</i>	57	42	91	40	79	62	57.9	56.1	62.5	56.8	58.1	58.3	11.3	12.7	10.0	12.3	13.4	11.9
IDO669	40	37	99	36	92	61	56.4	54.0	61.3	54.4	57.7	56.8	12.0	13.4	10.2	12.9	14.3	12.6
WA008089	53	34	88	37	85	59	56.3	52.2	62.4	56.0	56.6	56.7	11.3	13.5	10.0	12.0	13.6	12.1
ALPOWA	49	39	101	35	67	58	55.5	53.7	60.6	53.7	54.7	55.6	11.6	13.8	10.4	12.4	14.4	12.5
WA008110	48	35	91	42	75	58	55.4	52.5	60.2	55.2	55.0	55.7	13.0	15.0	10.8	14.1	15.0	13.6
NICK	49	50	89	32	70	58	55.2	54.9	60.6	53.7	54.8	55.8	11.5	12.4	10.5	12.0	14.3	12.1
LOUISE	50	33	94	39	74	58	54.9	50.2	60.5	53.7	54.2	54.7	11.6	13.8	10.1	12.0	13.9	12.3
WA008105	47	39	94	30	74	57	55.6	53.7	61.0	54.4	56.5	56.2	11.7	13.5	10.0	12.6	13.7	12.3
WA008107	47	36	88	37	71	56	55.8	52.3	61.4	56.0	55.9	56.3	12.0	13.8	10.5	12.2	15.5	12.8
WA008113	46	41	92	31	66	55	56.9	52.8	61.9	54.0	54.8	56.1	11.3	12.8	10.0	12.4	14.3	12.2
CATALDO	41	36	90	26	78	54	55.0	51.7	61.2	54.0	54.7	55.3	12.0	13.4	10.4	12.5	14.0	12.5
ZAK	43	34	83	34	51	49	56.2	52.6	59.2	56.4	54.0	55.7	12.4	14.8	10.8	12.8	15.2	13.2
CV (%)	9	12	6	16	11	10	1.2	3.8	1.0	2.4	2.2	2.3	2.5	6.5	3.1	3.7	2.9	4.2
LSD (0.10)	6	7	7	9	13	4	0.9	2.8	0.9	1.8	1.7	0.8	0.4	1.2	0.4	0.6	0.6	0.3
Average	51	38	95	38	81	60	56.1	53.0	61.2	55.2	56.1	56.3	11.8	13.6	10.2	12.4	14.1	12.4
Highest	63	50	105	48	103	66	57.9	56.1	62.8	57.0	60.1	58.3	13.0	15.0	10.8	14.1	15.5	13.6
Lowest	40	31	83	26	51	49	54.4	50.2	59.2	53.7	51.2	54.7	11.0	12.4	9.8	11.7	12.8	11.9

## 2010 WSU Soft White Spring Wheat Trial Summary

### Precipitation Zone 16" – 20" – Preliminary Data

1. Soft white spring wheat grain yield across five locations and 24 entries in the 16"-20" precipitation zone averaged 60 bushels/acre, 6 bushels/acre lower than the 2009 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. Precipitation and stripe rust contributed to yields that were highly variable and ranged from 38 to 95 bu/acre among locations. The Reardan site had good moisture and little stripe rust, the Walla Walla site had high stripe rust, but good moisture and the remaining sites were impacted by drought during grain filling and stripe rust. Entries across locations ranged from 49 to 66 bushels/acre with 10 of the 24 entries in the top LSD group indicated by bold lettering.
3. Club varieties are indicated by italic print and the '+25%' designates a 25% higher seeding rate for two club varieties.
4. The test weights were low and averaged 56.3 lb/bu across locations and entries, with a range of 54.7 lb/bu to 58.3 lb/bu among entries and 53.0 to 61.2 lb/bu among locations. Test weights averaged 4.6 lb/bu lower than last year. Grain protein averaged 12.4% with a range of 11.9% to 13.6% and was higher than last year's average.