

2009 WSU HARD SPRING WHEAT TRIAL SUMMARY

Precipitation Zone= 16"- 20"

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 (%)					
Hard Red Spring																		
BULLSEYE	40	56	49	79	92	63	59.9	62.9	63.2	62.8	62.5	62.3	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	16.3
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
Hard White Spring																		
WA008079	43	61	60	84	100	70	57.9	61.0	62.0	61.0	61.0	60.6	13.6	12.8	13.8	13.0	11.5	12.9
BZ903-445WP	39	58	56	88	102	68	57.9	60.3	60.7	60.0	60.2	59.8	14.6	13.8	15.2	13.9	12.5	14.0
OTIS	42	60	56	87	95	68	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
STATISTICS							STATISTICS						STATISTICS					
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

1. Hard spring wheat (including red and white) grain yield across five locations, 20 hard red entries, and 10 hard white entries in the 16"- 20" precipitation zone averaged 59 bu/ac, 12 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, test weight, and protein. In 2009, the highest yielding cultivars were hard white, while in 2008 the hard red and white averaged the same.
2. Test weight averaged 60.7 lb/bu across locations and entries, with a range of 59.4 lb/bu to 62.3 lb/bu. Test weights averaged 0.9 lb/bu higher than last year. Grain protein averaged 14.5% with a range of 12.7% to 16.3%, 0.2% higher than last year's average.