

2010 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																		
BUCK PRONTO	64	33	87	40	103	65	56.9	49.6	60.3	53.9	57.9	55.7	14.7	18.1	14.3	16.1	16.1	15.9
LASSIK	63	38	91	48	86	65	56.0	51.5	60.2	54.2	55.1	55.4	12.9	15.9	12.7	14.6	14.4	14.1
UI WINCHESTER	58	36	90	39	93	63	56.4	49.4	61.5	53.8	56.9	55.6	13.2	16.9	12.5	15.4	14.6	14.5
WA008074	62	36	77	39	97	62	55.0	51.2	58.0	55.1	56.5	55.2	13.7	16.7	12.9	14.6	14.8	14.5
WB-FUZION	56	39	88	36	80	60	55.4	50.7	60.2	52.7	56.0	55.0	13.6	16.2	13.2	15.4	16.2	14.9
JEFFERSON	56	35	80	39	87	59	55.9	51.0	59.9	55.4	56.7	55.8	13.8	16.6	13.1	15.2	15.4	14.8
SCARLET	53	32	89	41	82	59	54.5	48.9	60.1	53.9	54.9	54.5	14.1	16.4	12.6	14.8	15.0	14.6
WESTBRED 926	54	38	85	36	82	59	53.8	49.0	59.3	52.1	55.1	53.9	13.9	16.9	13.2	15.8	15.3	15.0
BULLSEYE	53	43	91	35	70	58	57.3	55.9	62.0	55.4	54.2	57.0	13.0	15.9	12.3	15.1	15.9	14.4
KELSE	52	35	85	34	62	54	54.4	51.1	60.6	53.8	51.6	54.3	15.0	17.0	13.7	16.3	16.9	15.8
TARA 2002	45	38	74	35	73	53	52.0	50.4	58.4	52.6	54.5	53.6	13.7	15.6	12.9	14.1	15.0	14.3
IDO665	45	38	84	32	61	52	53.3	51.1	58.2	52.3	52.0	53.4	13.9	15.5	12.7	15.1	15.8	14.6
HOLLIS	47	32	63	33	77	50	54.1	52.0	56.7	53.0	55.7	54.3	14.8	16.6	13.8	14.9	16.0	15.2
OR4990114	44	32	79	27	69	50	55.2	50.8	60.0	53.6	52.6	54.4	13.0	15.5	13.0	14.3	14.6	14.1
HANK	48	37	82	26	53	49	53.6	49.6	58.7	50.7	50.3	52.6	13.3	16.6	12.3	15.3	16.0	14.7
IDO667	42	37	81	23	63	49	54.9	52.5	60.1	53.1	52.8	54.7	13.5	16.2	12.3	15.2	16.2	14.7
Hard White Spring																		
BR7030	63	43	97	44	93	68	55.3	52.2	61.9	54.0	56.3	55.9	13.0	14.6	11.8	14.7	14.2	13.7
WA008123	62	31	90	39	102	65	57.2	51.7	60.5	56.2	56.5	56.4	13.2	16.5	11.9	13.9	14.5	14.0
PATWIN	66	37	83	45	88	64	54.7	49.7	57.8	50.7	52.6	53.1	13.7	16.2	13.0	15.5	15.9	14.9
CLEAR WHITE	61	45	84	39	78	61	56.1	52.5	61.0	54.0	57.5	56.2	12.7	15.3	12.4	14.5	14.7	13.9
WA008100	47	26	91	31	88	57	54.6	48.8	60.3	53.6	55.9	54.6	13.6	17.4	11.6	14.8	14.3	14.3
MACON	46	31	81	30	68	51	53.9	48.5	58.9	53.3	53.4	53.6	12.8	15.7	12.0	14.6	14.0	13.8
WA008122	41	34	86	30	61	50	53.5	51.2	58.9	52.8	50.9	53.5	13.1	15.4	12.1	14.4	14.5	13.9
OTIS	36	26	84	28	66	48	55.6	50.7	60.4	55.5	54.6	55.4	13.2	16.6	11.5	13.6	13.9	13.8
CV (%)	8	11	7	17	9	10	1.8	3.2	2.2	2.9	2.1	2.5	3.5	5.8	4.2	5.6	2.6	4.6
LSD (0.10)	6	6	8	8	10	3	1.4	2.2	1.8	2.1	1.6	0.8	0.7	1.3	0.7	1.2	0.5	0.4
Average	53	36	84	35	78	57	55.0	50.8	59.8	53.6	54.6	54.7	13.6	16.3	12.7	14.9	15.2	14.5
Highest	66	45	97	48	103	68	57.3	55.9	62.0	56.2	57.9	57	15.0	18.1	14.3	16.3	16.9	15.9
Lowest	36	26	63	23	53	48	52.0	48.5	56.7	50.7	50.3	52.6	12.7	14.6	11.5	13.6	13.9	13.7

2010 WSU Hard Spring Wheat Trial Summary Precipitation Zone 16" – 20" – Preliminary Data

1. Hard spring wheat grain yield, including white and red, across five locations and 24 entries in the 16"-20" precipitation zone averaged 57 bushels/acre, 2 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, test weight, and protein.

2. Precipitation and stripe rust contributed to yields that were highly variable and ranged from 35 to 84 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. The entries across locations ranged from 48 to 68 bushels/acre.

3. Test weights were very low except for Reardan and averaged 54.7 lb/bu across locations and entries, with a range of 52.6 lb/bu to 57.0 lb/bu. Test weights averaged 6.0 lb/bu lower than last year. Grain protein averaged 14.5% with a range of 13.7% to 15.9%, the same as last year's average.