

2010 WSU HARD SPRING WHEAT TRIAL SUMMARY

Precipitation Zone= <12"

VARIETY NAME	YIELD (BU/A)					TW (LBS/BU)					PROTEIN (%)				
	BICKLETON	CONNELL	HORSE HEAVEN	LIND	AVERAGE YIELD	BICKLETON	CONNELL	HORSE HEAVEN	LIND	AVERAGE TEST WEIGHT	BICKLETON	CONNELL	HORSE HEAVEN	LIND	AVERAGE PROTEIN
Hard Red Spring	YIELD (BU/A)					TW (LBS/BU)					PROTEIN (%)				
JEFFERSON	24	41	46	44	39	54.6	60.6	60.7	59.3	58.8	14.9	15.1	15.1	14.4	14.9
SCARLET	23	42	46	42	38	51.2	58.7	59.5	57.3	56.7	14.9	14.5	15.3	14.7	14.9
LASSIK	19	42	45	45	38	50.0	60.6	61.4	59.6	57.9	15.1	15.3	14.5	14.5	14.9
BULLSEYE	25	38	47	41	38	55.4	60.4	62.0	60.9	59.7	14.8	14.1	15.2	14.1	14.6
WB-FUZION	33	36	43	38	38	54.4	60.9	61.2	58.4	58.7	14.2	15.7	15.9	15.7	15.4
WA008074	29	40	42	38	37	54.3	61.7	62.0	60.0	59.5	14.8	15.4	15.4	15.5	15.3
UI WINCHESTER	25	39	44	40	37	53.4	61.7	62.2	60.2	59.4	15.4	15.6	15.3	14.7	15.3
IDO667	26	31	45	39	35	54.1	60.2	61.8	58.5	58.7	15.5	13.7	15.5	14.7	14.9
KELSE	24	36	40	40	35	52.6	59.4	61.5	59.8	58.3	16.3	16.1	17.0	15.7	16.3
HOLLIS	23	37	43	37	35	51.5	60.2	60.8	58.6	57.8	16.5	15.6	16.1	15.7	16.0
WESTBRED 926	34	34	39	33	35	52.1	60.3	61.2	59.3	58.2	15.5	16.1	16.0	16.2	16.0
IDO665	27	31	41	36	34	51.8	59.3	60.7	58.4	57.6	15.3	14.5	15.9	15.0	15.2
BUCK PRONTO	24	35	38	37	34	54.6	59.9	61.3	58.9	58.7	15.2	17.4	16.8	16.8	16.6
HANK	29	30	40	34	33	53.2	59.2	60.5	58.3	57.8	15.0	14.7	15.7	15.4	15.2
OR4990114	21	33	40	37	33	50.5	60.8	62.0	59.1	58.1	15.1	14.8	15.4	14.8	15.0
TARA 2002	29	29	36	35	32	54.1	58.3	59.2	57.9	57.4	14.7	14.9	16.3	15.2	15.3
Hard White Spring															
WA008100	16	44	49	46	39	52.3	58.8	59.8	56.8	56.9	15.8	13.2	13.7	13.3	14.0
PATWIN	24	43	41	42	38	49.3	58.5	58.7	57.3	56.0	15.7	15.0	15.0	14.3	15.0
WA008122	21	35	46	42	36	51.3	59.3	61.2	58.5	57.6	14.7	12.9	13.6	13.1	13.6
MACON	24	36	45	39	36	51.7	60.7	61.0	59.1	58.1	14.4	12.9	13.7	13.0	13.5
WA008123	21	39	43	40	36	52.7	60.2	61.3	59.2	58.4	14.8	15.1	14.5	14.5	14.7
BR7030	24	40	39	36	35	54.0	60.9	62.4	60.1	59.4	14.4	15.0	14.2	14.6	14.6
OTIS	16	35	47	37	34	52.8	59.2	61.0	58.4	57.9	14.8	12.9	13.8	13.1	13.7
CLEAR WHITE	25	34	33	34	32	54.3	60.9	61.3	59.5	59.0	13.9	14.1	14.5	14.1	14.2
CV (%)	10	6	6	7	7	2.0	0.6	0.6	0.5	1.0	3.2	2.0	1.5	1.4	2.1
LSD (0.10)	3	3	3	3	2	1.5	0.5	0.5	0.4	0.4	0.7	0.4	0.3	0.3	0.2
Average	24	37	42	39	36	52.8	60.0	61.0	58.9	58.2	15.1	14.8	15.2	14.7	14.9
Highest	34	44	49	46	39	55.4	61.7	62.4	60.9	59.7	16.5	17.4	17.0	16.8	16.6
Lowest	16	29	33	33	32	49.3	58.3	58.7	56.8	56.0	13.9	12.9	13.6	13.0	13.5

2010 WSU Hard Spring Wheat Trial Summary

Precipitation Zone <12" – Preliminary Data

1. Hard spring wheat grain yield, including white and red, across four locations and 24 entries in the <12" precipitation zone averaged 36 bushels/acre, 15 bushels/acre higher 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 top LSD range are shown in bold.
2. Yields ranged from 24 to 42 bu/acre among locations with Bickleton being lower due to less precipitation. Entries across locations ranged from 32 to 39 bushels/acre with 5 of the 24 entries in the top LSD group indicated by bold lettering.
3. The test weights were good except for Bickleton and averaged 58.2 lb/bu across locations and entries, with a range of 56.0 lb/bu to 59.7 lb/bu among entries. Test weights averaged 2.9 lb/bu lower than last year. Grain protein averaged 14.9% with a range of 13.5% to 16.6% and was similar to 2009 protein levels.