

## 2009 WSU HARD SPRING WHEAT TRIAL SUMMARY

### Precipitation Zone= <12"

VARIETY NAME	BICKLETON	CONNELL	HORSE HEAVEN	LIND	AVERAGE YIELD	BICKLETON	CONNELL	HORSE HEAVEN	LIND	AVERAGE TEST WEIGHT	BICKLETON	CONNELL	HORSE HEAVEN	LIND	AVERAGE PROTEIN
	YIELD (BU/A)					TW (LBS/BU)					PROTEIN (%)				
<b>Hard Red Spring</b>															
SCARLET	22	30	13	26	<b>23</b>	59.3	61.3	60.1	60.1	60.2	14.3	16.0	15.4	16.1	15.5
VOLT	20	26	17	22	21	61.3	63.6	63.0	61.9	<b>62.5</b>	13.3	14.6	13.6	14.3	14.0
HANK	26	25	11	23	21	59.2	61.7	58.8	61.1	60.2	14.4	16.3	16.0	15.7	15.6
LASSIK	19	29	12	25	21	60.2	62.5	60.2	61.6	61.1	14.0	14.7	14.1	14.6	14.4
HOLLIS	23	26	13	22	21	60.4	61.3	61.0	61.2	61.0	14.0	16.0	15.7	15.5	15.3
UI WINCHESTER	23	26	13	21	21	60.3	62.6	60.9	61.4	61.3	13.8	15.2	14.9	15.3	14.8
WA008074	23	22	15	23	21	60.5	62.2	61.4	61.4	61.4	13.7	16.1	14.6	15.1	14.9
BULLSEYE	22	26	14	22	21	62.0	63.7	63.0	62.6	<b>62.8</b>	13.2	16.2	14.6	15.4	14.9
WA008072	20	25	14	22	20	59.6	62.1	61.3	60.9	61.0	14.6	15.8	15.5	15.7	15.4
KELSE	21	21	14	25	20	60.3	61.8	61.4	61.3	61.2	15.4	17.0	15.4	16.4	16.1
WA008075	22	23	14	21	20	60.3	62.4	61.5	61.3	61.4	14.7	16.3	15.3	16.0	15.6
JEDD	22	22	14	22	20	62.2	62.9	62.3	62.3	62.4	14.2	16.1	15.0	14.9	15.1
WA008076	18	25	13	23	20	60.1	62.3	61.2	61.7	61.3	14.0	15.8	14.3	14.9	14.8
TARA 2002	21	23	14	21	20	60.5	60.6	59.3	59.3	59.9	15.0	16.5	15.9	15.5	15.7
OR4990114	20	24	14	21	20	58.9	62.3	62.0	61.6	61.2	14.1	15.5	14.5	15.5	14.9
WA008027	20	23	13	22	19	60.1	60.8	59.8	60.0	60.2	15.1	16.9	16.0	16.5	16.1
JEFFERSON	19	25	13	20	19	59.4	62.1	61.4	61.0	61.0	14.5	16.6	15.6	16.2	15.7
WESTBRED 926	21	21	14	20	19	60.0	61.5	60.4	60.2	60.5	15.1	16.8	16.1	15.7	15.9
BUCK PRONTO	18	24	11	20	18	58.8	61.3	59.8	60.2	60.0	15.6	17.1	17.0	16.5	<b>16.6</b>
NPBHR70	18	21	13	20	18	59.0	61.3	60.6	60.6	60.4	15.4	16.7	15.8	16.1	16.0
<b>Hard White Spring</b>															
OTIS	27	31	13	24	<b>24</b>	61.5	62.6	61.3	61.5	61.7	13.0	14.6	14.1	14.2	14.0
BZ903-445WP	25	26	17	26	<b>23</b>	59.2	61.7	61.5	60.8	60.8	14.0	15.9	14.8	14.8	14.9
WA008100	22	31	12	27	<b>23</b>	60.1	61.7	60.5	61.5	61.0	13.3	14.3	15.4	13.9	14.2
WA008078	24	28	14	24	<b>23</b>	60.5	62.0	59.5	60.8	60.7	14.4	15.7	15.3	14.5	15.0
WA008079	26	25	13	26	22	60.0	62.1	61.3	61.3	61.2	13.2	15.6	14.0	14.0	14.2
CLEAR WHITE	27	24	14	23	22	61.0	62.4	61.8	61.5	61.7	13.1	14.2	13.8	13.5	13.7
WA008101	24	27	12	25	22	61.1	61.7	59.8	61.0	60.9	12.2	14.5	13.8	13.4	13.5
RSI10348W	22	26	12	22	20	61.0	62.9	60.4	61.4	61.4	13.5	14.4	13.7	14.2	14.0
MACON	19	23	13	24	20	59.0	61.6	59.5	61.0	60.3	13.2	15.8	14.5	14.2	14.4
BLANCA GRANDE	20	24	13	19	19	61.1	62.8	61.8	61.6	61.8	15.1	15.8	14.2	14.8	15.0
<b>STATISTICS</b>						<b>STATISTICS</b>					<b>STATISTICS</b>				
CV (%)	14	9	14	7	11	1.5	0.5	1.1	0.6	1.0	3.6	3.2	3.5	1.8	3.1
LSD (0.10)	4	3	3	2	2	1.3	0.8	0.9	0.5	0.4	0.7	0.7	0.7	0.4	0.3
Average	22	25	13	23	21	60.2	62.1	60.9	61.1	61.1	14.1	15.8	15.0	15.1	15.0
Highest	27	31	17	27	24	62.2	63.7	63.0	62.6	62.8	15.6	17.1	17.0	16.5	16.5
Lowest	18	21	11	19	18	58.8	60.6	58.8	59.3	59.9	12.2	14.2	13.6	13.4	13.5

1. Hard spring wheat grain yield across four locations, 20 hard red entries, and 10 hard white entries, in the <12" precipitation zone averaged 21 bu/ac, 2 bu/ac lower 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.
2. Four of the five cultivars in the top LSD group are hard white cultivars.
3. Test weight averaged 61.1 lb/bu across locations and entries, with a range of 59.9 lb/bu to 62.8 lb/bu. Test weights averaged 1.7 lb/bu higher than last year. Grain protein averaged 15.0% with a range of 13.5% to 16.5%, 0.2% higher than last year's average.