

## 2009 WSU HARD SPRING WHEAT TRIAL SUMMARY

### Precipitation Zone= >20"

VARIETY NAME	YIELD (BU/A)			TW (LBS/BU)			PROTEIN (%)		
	FARMINGTON	PULLMAN	AVERAGE YIELD	FARMINGTON	PULLMAN	AVERAGE TEST WEIGHT	FARMINGTON	PULLMAN	AVERAGE PROTEIN
<b>Hard Red Spring</b>	<b>YIELD (BU/A)</b>			<b>TW (LBS/BU)</b>			<b>PROTEIN (%)</b>		
SCARLET	83	68	75	60.0	60.0	60.0	14.5	15.6	15.1
BULLSEYE	82	69	75	62.6	63.1	<b>62.9</b>	13.9	14.9	14.4
UI WINCHESTER	85	65	75	60.9	62.0	61.5	13.5	14.8	14.2
WA008074	81	68	74	61.2	62.0	61.6	13.9	14.8	14.4
TARA 2002	84	61	73	60.9	61.3	61.1	14.2	15.1	14.7
LASSIK	77	68	73	60.6	62.0	61.3	13.7	14.8	14.3
JEFFERSON	81	64	73	61.0	61.8	61.4	14.3	15.7	15.0
HOLLIS	78	64	71	60.7	61.1	60.9	15.2	15.9	<b>15.6</b>
WESTBRED 926	80	61	71	60.2	60.2	60.2	14.4	15.8	15.1
BUCK PRONTO	76	65	70	59.8	60.7	60.3	15.1	16.2	<b>15.7</b>
NPBHR70	77	62	70	60.0	60.7	60.4	14.5	15.7	15.1
WA008027	80	59	70	60.7	60.7	60.7	15.4	16.3	<b>15.9</b>
HANK	77	61	69	59.1	60.6	59.9	13.8	15.0	14.4
KELSE	73	64	68	60.8	61.1	61.0	14.6	15.4	15.0
OR4990114	76	61	68	59.7	61.2	60.5	13.5	14.7	14.1
WA008072	77	59	68	60.4	61.7	61.1	14.1	15.3	14.7
JEDD	76	60	68	61.4	62.2	61.8	13.2	14.9	14.1
WA008075	76	59	68	61.0	61.6	61.3	14.8	15.9	15.4
VOLT	75	59	67	61.2	62.8	62.0	14.5	14.7	14.6
WA008076	72	61	67	61.5	61.8	61.7	14.2	15.3	14.8
<b>Hard White Spring</b>	<b>YIELD (BU/A)</b>			<b>TW (LBS/BU)</b>			<b>PROTEIN (%)</b>		
<b>WA008079</b>	82	80	<b>81</b>	60.2	61.2	60.7	11.9	12.7	12.3
<b>WA008100</b>	81	78	<b>79</b>	61.4	62.8	62.1	12.0	12.4	12.2
<b>OTIS</b>	88	70	<b>79</b>	61.6	62.5	62.1	11.8	13.3	12.6
<b>WA008078</b>	85	72	<b>78</b>	61.2	61.5	61.4	12.9	14.0	13.5
<b>WA008101</b>	83	69	<b>76</b>	61.1	61.6	61.4	12.3	13.0	12.7
BZ903-445WP	79	67	73	59.2	61.1	60.2	13.0	14.4	13.7
MACON	80	61	71	59.4	61.4	60.4	12.5	12.9	12.7
RSI10348W	80	59	69	59.5	61.6	60.6	13.2	14.0	13.6
CLEAR WHITE	73	59	66	60.0	60.8	60.4	12.6	13.4	13.0
BLANCA GRANDE	62	53	58	61.0	62.2	61.6	14.5	14.6	14.6
<b>STATISTICS</b>			<b>STATISTICS</b>			<b>STATISTICS</b>			
<b>CV (%)</b>	7	10	8	0.9	0.8	0.8	3.0	2.3	2.7
<b>LSD (0.10)</b>	7	9	6	0.7	0.7	0.5	0.6	0.5	0.4
<b>Average</b>	79	64	71	60.6	61.5	61.1	13.7	14.7	14.2
<b>Highest</b>	88	80	81	62.6	63.1	62.9	15.4	16.3	15.8
<b>Lowest</b>	62	53	58	59.1	60.0	59.9	11.8	12.4	12.2

1. Hard spring wheat (including red and white) grain yield across two locations, 20 hard red entries, and 10 hard white entries in the >20" precipitation zone averaged 71 bu/ac, 13 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 nearly the same.
2. Test weight averaged 61.1 lb/bu across locations and entries, with a range of 59.9 lb/bu to 62.9 lb/bu. Test weights averaged 1.2 lb/bu higher than last year. Grain protein averaged 14.2% with a range of 12.2% to 15.8%, 1.7% higher than last year's average.