

## 2009 WSU HARD WINTER WHEAT TRIAL SUMMARY

### Precipitation Zone= >16"

VARIETY NAME	DAYTON	PULLMAN	REARDAN	WALLA WALLA	AVERAGE YIELD	DAYTON	PULLMAN	REARDAN	WALLA WALLA	AVERAGE TEST WEIGHT	DAYTON	PULLMAN	REARDAN	WALLA WALLA	AVERAGE PROTEIN
	YIELD (BU/A)					TEST WEIGHT (LBS/BU)					PROTEIN (%)				
<b>Hard Red Winter</b>															
<b>NORWEST 553</b>	145	131	79	132	<b>122</b>	61.8	62.4	61.8	60.9	61.7	11.4	10.7	12.7	12.6	11.9
<b>ACS 52025</b>	149	127	82	121	<b>120</b>	61.5	61.2	61.1	60.1	61.0	11.4	10.6	12.1	12.2	11.6
BC002-2	137	129	66	132	116	62.2	62.9	61.6	62.1	62.2	12.0	11.0	13.6	12.7	12.3
ML9W05-2506	128	121	79	127	114	63.1	62.2	62.0	62.1	62.4	11.7	11.3	12.2	12.5	11.9
WA008068	115	134	87	117	114	62.8	62.4	61.3	61.8	62.1	12.8	11.4	12.3	13.0	12.4
WHETSTONE	124	116	82	125	112	61.6	62.6	62.4	61.0	61.9	11.8	11.0	12.8	12.8	12.1
DECLO	119	125	80	118	110	60.8	62.5	62.1	59.6	61.3	11.9	10.7	12.8	13.2	12.2
ESPERIA	130	104	75	131	110	60.2	60.7	60.5	59.9	60.3	12.2	11.1	12.0	13.1	12.1
BOUNDARY	118	125	86	110	110	61.1	61.6	60.6	60.1	60.9	11.4	10.5	12.7	12.4	11.8
BAUERMEISTER	108	137	80	109	108	60.2	61.4	61.4	58.4	60.4	11.7	10.5	11.2	12.8	11.6
EDDY	116	115	78	121	108	62.9	61.0	61.2	61.8	61.7	11.7	11.0	11.8	12.6	11.8
NORRIS	127	118	69	115	107	63.3	62.5	61.9	62.6	<b>62.6</b>	11.5	10.7	11.8	11.9	11.5
ACCIPITER	113	127	73	117	107	61.3	62.7	61.7	60.6	61.6	11.7	10.3	11.8	12.5	11.6
WA008022	118	150	74	85	107	61.4	60.5	59.8	58.8	60.1	11.7	9.9	10.6	12.8	11.3
AGRIPRO PALADIN	122	100	71	121	103	61.9	62.9	62.3	60.6	61.9	12.0	11.6	12.6	13.0	12.3
PEREGRINE	115	112	76	105	102	62.8	62.4	61.6	61.8	62.2	11.4	10.2	10.8	12.5	11.2
WA008095	106	136	78	83	100	61.5	62.3	61.4	59.5	61.2	12.2	11.2	11.5	13.5	12.1
WA008098	101	116	90	94	100	62.4	62.5	60.7	60.1	61.4	12.2	10.7	12.2	13.1	12.1
FARNUM	93	121	72	88	94	60.0	59.9	59.7	58.3	59.5	12.6	10.5	12.2	13.8	12.3
FINLEY	105	113	72	71	90	63.2	63.1	62.1	60.4	62.2	12.0	11.1	11.7	13.0	12.0
HATTON	94	97	75	90	89	63.3	62.4	62.8	63.0	<b>62.9</b>	10.9	9.3	12.4	12.0	11.2
IDO683	96	98	65	82	85	63.9	62.4	61.6	62.0	62.5	12.4	11.8	13.5	12.9	12.7
WA008061	82	86	68	77	78	62.8	60.9	60.7	60.9	61.3	13.3	12.4	12.9	13.9	13.1
<b>Hard White Winter</b>															
NUDAKOTA	154	107	64	134	115	62.2	61.6	61.2	60.9	61.5	10.8	10.5	11.3	11.6	11.1
ML9W04-2543W	133	121	77	117	112	59.8	61.5	61.3	58.4	60.3	11.3	10.2	11.7	12.1	11.3
MDM	99	150	92	104	111	60.1	61.9	61.4	58.8	60.6	11.6	9.9	11.1	12.6	11.3
IDO658	117	132	75	113	109	62.6	62.7	62.0	60.3	61.9	10.2	10.5	11.2	11.8	10.9
WA008097	103	141	86	104	108	58.1	61.0	60.6	58.5	59.6	11.9	10.0	11.7	12.3	11.5
WA008096	104	135	78	112	107	59.8	61.3	60.4	58.5	60.0	11.1	10.1	12.1	12.0	11.3
UI DARWIN	127	111	54	121	103	63.0	63.1	62.2	62.6	<b>62.7</b>	10.8	11.3	11.9	11.9	11.5
WA008070	92	132	80	101	101	61.4	62.6	61.7	61.1	61.7	11.9	10.2	11.2	12.4	11.4
PALOMINO	123	106	52	123	101	61.6	61.9	61.1	60.8	61.4	11.9	11.8	13.4	13.1	12.6
IDO651	109	125	71	90	99	61.1	61.8	60.8	59.7	60.9	11.6	10.1	12.1	13.3	11.8
MOL	113	97	52	121	96	63.1	61.2	60.6	62.8	61.9	13.5	12.5	14.3	14.4	<b>13.7</b>
MIETI	97	117	53	104	93	60.5	59.9	59.8	59.4	59.9	11.9	11.0	13.3	13.8	12.5
<b>Soft White Common</b>															
ELTAN (Check)	91	148	75	104	104	58.0	61.2	60.6	57.7	59.4	11.9	9.5	11.2	12.8	11.4
	STATISTICS					STATISTICS					STATISTICS				
CV (%)	10	7	12	7	8	1.1	0.7	0.5	1.2	0.9	3.3	3.5	4.5	3.5	3.7
LSD (0.10)	15	11	12	10	6	0.9	0.6	0.4	1.0	0.4	0.9	0.5	0.7	1.0	0.3
Average	115	121	74	109	105	61.6	61.9	61.3	60.4	61.3	11.8	10.8	12.1	12.8	11.9
Highest	154	150	92	134	122	63.9	63.1	62.8	63.0	62.9	13.5	12.5	14.3	14.4	13.7
Lowest	82	86	52	71	78	58.0	59.9	59.7	57.7	59.4	10.2	9.3	10.6	11.6	10.9

1. Hard winter wheat (including red and white) grain yield across four locations and 36 entries in the >16" precipitation zone averaged 105 bu/ac, just 1 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. Test weight averaged 61.3 lb/bu across locations and entries, with a range of 59.4 lb/bu to 62.9 lb/bu. Test weights averaged 1.8 lb/bu higher than last year. Grain protein averaged 11.9% with a range of 10.9% to 13.7 %, 1.0% lower than last year's value.