

2009 WSU HARD WINTER WHEAT TRIAL SUMMARY

Precipitation Zone= >16"

VARIETY NAME	DAYTON	PULLMAN	REARDAN	WALLA WALLA	AVERAGE YIELD
Hard Red Winter					
	YIELD (BU/A)				
NORWEST 553	145	131	79	132	122
ACS 52025	149	127	82	121	120
BC002-2	137	129	66	132	116
ML9W05-2506	128	121	79	127	114
WA008068	115	134	87	117	114
WHETSTONE	124	116	82	125	112
DECLO	119	125	80	118	110
ESPERIA	130	104	75	131	110
BOUNDARY	118	125	86	110	110
BAUERMEISTER	108	137	80	109	108
EDDY	116	115	78	121	108
NORRIS	127	118	69	115	107
ACCIPTER	113	127	73	117	107
WA008022	118	150	74	85	107
AGRIPRO PALADIN	122	100	71	121	103
PEREGRINE	115	112	76	105	102
WA008095	106	136	78	83	100
WA008098	101	116	90	94	100
FARNUM	93	121	72	88	94
FINLEY	105	113	72	71	90
HATTON	94	97	75	90	89
IDO683	96	98	65	82	85
WA008061	82	86	68	77	78
Hard White Winter					
NUDAKOTA	154	107	64	134	115
ML9W04-2543W	133	121	77	117	112
MDM	99	150	92	104	111
IDO658	117	132	75	113	109
WA008097	103	141	86	104	108
WA008096	104	135	78	112	107
UI DARWIN	127	111	54	121	103
WA008070	92	132	80	101	101
PALOMINO	123	106	52	123	101
IDO651	109	125	71	90	99
MOL	113	97	52	121	96
MIETI	97	117	53	104	93
Soft White Common					
ELTAN (Check)	91	148	75	104	104
STATISTICS					
CV (%)	10	7	12	7	8
LSD (0.10)	15	11	12	10	6
Average	115	121	74	109	105
Highest	154	150	92	134	122
Lowest	82	86	52	71	78

DAYTON	PULLMAN	REARDAN	WALLA WALLA	AVERAGE TEST WEIGHT
TEST WEIGHT (LBS/BU)				
61.8	62.4	61.8	60.9	61.7
61.5	61.2	61.1	60.1	61.0
62.2	62.9	61.6	62.1	62.2
63.1	62.2	62.0	62.1	62.4
62.8	62.4	61.3	61.8	62.1
61.6	62.6	62.4	61.0	61.9
60.8	62.5	62.1	59.6	61.3
60.2	60.7	60.5	59.9	60.3
61.1	61.6	60.6	60.1	60.9
60.2	61.4	61.4	58.4	60.4
62.9	61.0	61.2	61.8	61.7
63.3	62.5	61.9	62.6	62.6
61.3	62.7	61.7	60.6	61.6
61.4	60.5	59.8	58.8	60.1
61.9	62.9	62.3	60.6	61.9
62.8	62.4	61.6	61.8	62.2
61.5	62.3	61.4	59.5	61.2
62.4	62.5	60.7	60.1	61.4
60.0	59.9	59.7	58.3	59.5
63.2	63.1	62.1	60.4	62.2
63.3	62.4	62.8	63.0	62.9
63.9	62.4	61.6	62.0	62.5
62.8	60.9	60.7	60.9	61.3
62.2	61.6	61.2	60.9	61.5
59.8	61.5	61.3	58.4	60.3
60.1	61.9	61.4	58.8	60.6
62.6	62.7	62.0	60.3	61.9
58.1	61.0	60.6	58.5	59.6
59.8	61.3	60.4	58.5	60.0
63.0	63.1	62.2	62.6	62.7
61.4	62.6	61.7	61.1	61.7
61.6	61.9	61.1	60.8	61.4
61.1	61.8	60.8	59.7	60.9
63.1	61.2	60.6	62.8	61.9
60.5	59.9	59.8	59.4	59.9
58.0	61.2	60.6	57.7	59.4
STATISTICS				
1.1	0.7	0.5	1.2	0.9
0.9	0.6	0.4	1.0	0.4
61.6	61.9	61.3	60.4	61.3
63.9	63.1	62.8	63.0	62.9
58.0	59.9	59.7	57.7	59.4

DAYTON	PULLMAN	REARDAN	WALLA WALLA	AVERAGE PROTEIN
PROTEIN (%)				
11.4	10.7	12.7	12.6	11.9
11.4	10.6	12.1	12.2	11.6
12.0	11.0	13.6	12.7	12.3
11.7	11.3	12.2	12.5	11.9
12.8	11.4	12.3	13.0	12.4
11.8	11.0	12.8	12.8	12.1
11.9	10.7	12.8	13.2	12.2
12.2	11.1	12.0	13.1	12.1
11.4	10.5	12.7	12.4	11.8
11.7	10.5	11.2	12.8	11.6
11.7	11.0	11.8	12.6	11.8
11.5	10.7	11.8	11.9	11.5
11.7	10.3	11.8	12.5	11.6
11.7	9.9	10.6	12.8	11.3
12.0	11.6	12.6	13.0	12.3
11.4	10.2	10.8	12.5	11.2
12.2	11.2	11.5	13.5	12.1
12.2	10.7	12.2	13.1	12.1
12.6	10.5	12.2	13.8	12.3
12.0	11.1	11.7	13.0	12.0
10.9	9.3	12.4	12.0	11.2
12.4	11.8	13.5	12.9	12.7
13.3	12.4	12.9	13.9	13.1
10.8	10.5	11.3	11.6	11.1
11.3	10.2	11.7	12.1	11.3
11.6	9.9	11.1	12.6	11.3
10.2	10.5	11.2	11.8	10.9
11.9	10.0	11.7	12.3	11.5
11.1	10.1	12.1	12.0	11.3
10.8	11.3	11.9	11.9	11.5
11.9	10.2	11.2	12.4	11.4
11.9	11.8	13.4	13.1	12.6
11.6	10.1	12.1	13.3	11.8
13.5	12.5	14.3	14.4	13.7
11.9	11.0	13.3	13.8	12.5
11.9	9.5	11.2	12.8	11.4
STATISTICS				
3.3	3.5	4.5	3.5	3.7
0.9	0.5	0.7	1.0	0.3
11.8	10.8	12.1	12.8	11.9
13.5	12.5	14.3	14.4	13.7
10.2	9.3	10.6	11.6	10.9

2009 WSU Hard Winter Wheat Trial Summary

Precipitation Zone >16" – Preliminary Data

1. Hard winter wheat (including red and white) grain yield across four locations and 36 entries in the >16" precipitation zone averaged 105 bushels/acre, just one bushel/acre 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 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.