

2009 WSU HARD WINTER WHEAT TRIAL SUMMARY

Precipitation Zone= 12"- 16"

VARIETY NAME	YIELD (BU/A)			TW (LBS/BU)			PROTEIN (%)		
	ALMIRA	LAMONT	AVERAGE YIELD	ALMIRA	LAMONT	AVERAGE TEST WEIGHT	ALMIRA	LAMONT	AVERAGE PROTEIN
Hard Red Winter	YIELD (BU/A)			TW (LBS/BU)			PROTEIN (%)		
BOUNDARY	105	102	103	61.1	62.0	61.6	10.7	12.5	11.6
WA008068	101	97	99	62.5	62.4	62.5	10.3	13.3	11.8
ACS 52025	114	83	99	61.2	62.2	61.7	9.7	12.9	11.3
ESPERIA	97	93	95	60.1	60.8	60.5	11.1	12.7	11.9
EDDY	97	91	94	61.8	62.7	62.3	10.2	13.2	11.7
WA008098	99	88	93	60.9	62.5	61.7	10.1	13.2	11.7
WA008095	99	87	93	61.7	62.6	62.2	10.5	12.7	11.6
DECLO	104	82	93	62.6	63.2	62.9	10.3	13.7	12.0
NORWEST 553	101	85	93	61.0	62.9	62.0	10.4	13.8	12.1
BAUERMEISTER	103	82	93	59.9	62.6	61.3	10.7	13.3	12.0
PEREGRINE	98	87	93	62.0	63.3	62.7	9.9	12.2	11.1
ACCIPITER	99	86	92	61.1	63.0	62.1	10.3	12.9	11.6
BC002-2	103	79	91	62.3	62.7	62.5	11.3	13.4	12.4
WA008022	97	81	89	60.2	61.5	60.9	10.1	12.5	11.3
HATTON	99	77	88	64.0	63.8	63.9	9.9	14.1	12.0
WHETSTONE	88	88	88	61.2	63.0	62.1	10.8	13.6	12.2
FARNUM	95	78	87	60.1	60.6	60.4	10.8	13.9	12.4
NORRIS	102	68	85	62.3	63.0	62.7	10.3	14.1	12.2
AGRIPRO PALADIN	93	76	84	61.5	62.6	62.1	11.2	13.3	12.3
ML9W05-2506	92	76	84	61.8	62.7	62.3	11.2	13.3	12.3
FINLEY	89	78	83	61.9	63.0	62.5	10.8	13.2	12.0
WA008061	88	75	81	61.7	62.1	61.9	10.8	14.7	12.8
IDO683	89	62	75	63.1	63.1	63.1	10.6	14.6	12.6
Hard White Winter									
MDM	99	99	99	60.7	62.5	61.6	9.9	12.4	11.2
ML9W04-2543W	104	86	95	60.5	62.1	61.3	9.5	11.9	10.7
IDO658	102	77	90	61.4	63.6	62.5	9.5	13.0	11.3
WA008096	98	78	88	59.6	61.5	60.6	9.8	12.9	11.4
WA008070	92	84	88	61.4	62.6	62.0	10.8	13.0	11.9
NUDAKOTA	100	75	88	61.2	61.6	61.4	9.6	13.0	11.3
WA008097	100	67	84	60.4	61.8	61.1	9.6	12.8	11.2
PALOMINO	95	65	80	61.2	61.8	61.5	10.9	13.4	12.2
IDO651	88	64	76	59.9	62.3	61.1	10.4	13.5	12.0
UI DARWIN	86	64	75	62.8	63.0	62.9	10.7	14.0	12.4
MIETI	92	51	71	60.6	60.6	60.6	10.2	14.3	12.3
MOL	67	56	62	61.1	61.7	61.4	12.5	16.1	14.3
Soft White Common									
ELTAN (Check)	109	75	92	59.7	62.3	61.0	10.0	12.4	11.2
	STATISTICS			STATISTICS			STATISTICS		
CV (%)	7	12	9	0.8	0.4	0.6	6.0	3.7	4.7
LSD (0.10)	9	13	8	0.7	0.3	0.4	0.9	0.7	0.5
Average	97	79	88	61.3	62.4	61.8	10.4	13.3	11.9
Highest	114	102	103	64.0	63.8	63.9	12.5	16.1	14.3
Lowest	67	51	62	59.6	60.6	60.3	9.5	11.9	10.7

1. Hard winter wheat (including red and white) grain yield across two locations and 36 entries in the 12"-16" precipitation zone averaged 88 bu/ac, 9 bu/ac higher than the 2008 average of 79 bu/ac. 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 61.8 lb/bu across locations and entries, with a range of 60.3 lb/bu to 63.9 lb/bu. Test weights averaged 0.9 lb/bu higher than last year. Grain protein averaged 11.9% with a range of 10.7% to 14.3 %, 0.6% higher than last year's 11.3% value.