

2010 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 (%)		
WA008120	96	127	112	51.5	58.7	55.1	14.0	11.0	12.5
NORWEST 553	152	62	107	61.1	60.4	60.8	13.0	13.6	13.3
BOUNDARY	99	112	106	58.3	59.2	58.8	13.5	12.0	12.8
PEREGRINE	106	100	103	58.7	60.2	59.5	13.2	11.6	12.4
WA008119	98	108	103	52.0	57.3	54.7	14.1	11.6	12.9
WA008118	114	90	102	59.2	60.6	59.9	15.0	13.9	14.5
ESPERIA	134	69	102	61.7	60.4	61.1	13.2	14.5	13.9
WHETSTONE	119	81	100	61.1	60.7	60.9	13.3	13.3	13.3
WA008095	97	96	97	55.6	60.6	58.1	13.9	12.9	13.4
WA008070	85	98	92	54.2	60.7	57.5	14.1	11.4	12.8
WA008121	100	82	91	61.5	61.2	61.4	13.9	13.6	13.8
EDDY	109	70	90	61.5	60.3	60.9	13.3	12.6	13.0
FINLEY	94	82	88	60.1	61.8	61.0	13.6	12.9	13.3
ACCIPITER	91	84	88	56.5	60.4	58.5	13.4	11.3	12.4
BAUERMEISTER	88	83	86	53.6	56.1	54.9	13.9	12.2	13.1
WB-RIMROCK	98	70	84	57.8	59.3	58.6	13.0	11.5	12.3
AGRIPRO PALADIN	97	63	80	60.2	60.8	60.5	13.3	12.6	13.0
BAU-RT1	87	72	80	53.5	55.5	54.5	14.0	12.8	13.4
IDO683	88	59	74	60.7	61.6	61.2	15.1	12.5	13.8
FARNUM	70	77	74	54.6	58.0	56.3	14.7	11.8	13.3
HATTON	78	33	56	58.7	55.2	57.0	12.7	12.6	12.7
DECLO	73	20	47	53.8	55.7	54.8	14.2	13.4	13.8
Hard White Winter									
UI SILVER	111	108	110	58.5	61.3	59.9	12.9	10.8	11.9
OR2080229H	125	78	102	60.2	61.2	60.7	12.1	12.0	12.1
WA008096	92	96	94	52.3	56.4	54.4	13.4	11.9	12.7
UICF GRACE	94	91	93	57.0	59.8	58.4	14.6	12.3	13.5
OR2080156H	111	67	89	57.0	59.4	58.2	14.1	13.2	13.7
MDM	91	86	89	53.0	57.7	55.4	13.7	10.3	12.0
WA008097	86	91	89	51.1	56.0	53.6	14.6	11.2	12.9
Soft White Common									
ELTAN (Check)	79	78	79	50.8	55.9	53.4	14.0	11.5	12.8
CV (%)	13	18	15	2.4	1.8	2.1	3.3	4.7	4.0
LSD (0.10)	17	20	13	3.2	1.5	1.2	1.1	0.8	0.5
Average	99	81	90	56.9	59.1	58.0	13.7	12.3	13.0
Highest	152	127	112	61.7	61.8	61.4	15.1	14.5	14.5
Lowest	70	20	47	50.8	55.2	53.4	12.1	10.3	11.9

2010 WSU Hard Winter Wheat Trial Summary

Precipitation Zone 12"-16" – Preliminary Data

1. Hard winter wheat (including red and white) grain yield across two locations and 30 entries in the 12"-16" precipitation zone averaged 90 bushels/acre, 2 bushels/acre higher than the 2009 average of 88 bushels/acre. The CV for the average data was 15 and was higher than the CV of 9 in 2009. The CVs in some of these experiments are higher than desired, but the trials still provide useful results. These trials were designed and analyzed as Alpha Lattice RCB designs that overall helped to account for within replication variation and reduced LSD and CV values. Review individual site data and comments to help with interpreting these trials.
2. The yields ranged from 47 to 112 bushels/acre with a WSU numbered line on top followed by Norwest 553.
3. Test weight averaged 58.0 lb/bu and was much lower than last year. Grain protein averaged 13.0% and was higher than last year's 11.9% value.