

2010 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 (%)				
Hard Red Winter															
NORWEST 553	166	122	117	139	136	62.5	58.0	63.0	61.7	61.3	12.2	13.4	12.3	12.8	12.7
WA008120	166	119	156	86	132	57.3	52.2	60.6	57.6	56.9	11.9	12.8	10.1	12.0	11.7
WA008119	162	125	154	70	128	57.3	52.4	60.2	58.3	57.1	11.9	12.6	10.5	12.0	11.8
BOUNDARY	123	121	149	90	121	57.8	57.5	61.9	58.5	58.9	11.6	12.3	11.5	11.9	11.8
ESPERIA	135	135	96	78	111	60.7	59.6	61.9	59.5	60.4	12.6	12.8	12.8	13.6	13.0
BAUERMEISTER	124	94	133	71	106	55.7	53.0	61.0	59.0	57.2	12.4	13.6	10.8	12.5	12.3
WA008118	136	98	107	72	103	59.8	56.9	62.2	58.7	59.4	13.8	14.5	12.6	14.1	13.8
ACCIPITER	86	106	139	82	103	53.8	57.1	63.2	60.9	58.8	12.6	12.5	10.5	11.9	11.9
WHETSTONE	112	111	102	78	101	58.2	56.3	63.4	59.8	59.4	12.7	13.3	13.0	13.3	13.1
WA008095	112	98	123	62	99	59.2	57.7	60.6	59.9	59.4	13.1	13.6	11.8	13.1	12.9
WA008070	109	102	118	66	99	59.0	58.9	61.7	60.0	59.9	12.6	13.0	10.6	11.8	12.0
BAU-RT1	115	95	134	48	98	55.2	53.8	60.9	59.1	57.3	12.5	13.4	11.3	12.8	12.5
EDDY	96	92	126	77	98	57.0	58.5	63.5	61.1	60.0	12.9	12.7	11.9	12.6	12.5
WA008121	107	102	99	82	98	60.6	59.2	61.6	60.4	60.5	13.5	14.1	13.1	13.6	13.6
FINLEY	111	101	120	58	98	61.8	56.2	62.8	60.7	60.4	13.1	13.2	11.8	12.9	12.8
PEREGRINE	82	102	134	69	97	52.1	58.5	62.7	60.6	58.5	12.7	12.7	10.9	12.2	12.1
AGRIPRO PALADIN	62	83	121	104	93	50.0	54.4	63.1	57.8	56.3	13.8	13.3	12.2	12.4	12.9
WB-RIMROCK	83	93	122	63	90	51.3	53.9	62.5	57.9	56.4	12.5	12.4	10.9	12.3	12.0
FARNUM	111	90	114	42	89	59.0	57.0	58.7	57.9	58.2	13.3	13.4	12.1	13.7	13.1
IDO683	80	85	89	58	78	60.1	61.3	62.1	58.4	60.5	13.3	14.0	13.6	13.6	13.6
DECLO	32	70	138	62	76	40.9	52.0	62.6	52.4	52.0	14.8	13.9	11.3	13.1	13.3
HATTON	56	66	114	47	71	54.0	58.6	63.1	57.3	58.3	12.9	13.5	11.3	12.5	12.6
Hard White Winter															
OR2080229H	159	131	129	138	139	62.3	58.5	63.1	61.9	61.5	11.5	11.7	10.9	11.3	11.4
OR2080156H	143	123	118	120	126	60.0	57.6	61.6	60.1	59.8	12.6	12.9	12.1	12.7	12.6
UI SILVER	151	131	137	81	125	62.3	58.5	62.7	60.3	61.0	11.5	11.8	10.9	11.4	11.4
MDM	122	96	149	57	106	56.4	53.5	61.4	59.1	57.6	12.1	12.7	9.7	11.9	11.6
WA008097	118	99	136	58	103	54.6	53.8	60.6	58.5	56.9	12.7	12.7	10.0	12.2	11.9
WA008096	121	92	138	56	102	54.3	51.6	59.9	58.3	56.0	12.6	13.8	10.7	12.3	12.4
UICF GRACE	107	108	109	67	98	56.7	58.0	61.6	58.6	58.7	13.1	13.1	11.4	13.1	12.7
Soft White Common															
ELTAN (Check)	122	99	138	57	104	55.7	52.6	60.9	58.4	56.9	11.8	12.6	10.5	11.9	11.7
CV (%)	7	12	6	21	11	1.7	3.3	1.0	1.8	2.1	3.6	4.6	4.1	3.4	4.0
LSD (0.10)	10	17	11	22	8	1.3	4.4	0.8	1.4	0.8	0.6	0.8	0.6	0.6	0.3
Average	114	103	125	75	104	56.9	56.2	61.8	59.1	58.5	12.7	13.1	11.4	12.6	12.4
Highest	166	135	156	139	139	62.5	61.3	63.5	61.9	61.5	14.8	14.5	13.6	14.1	13.8
Lowest	32	66	89	42	71	40.9	51.6	58.7	52.4	52.0	11.5	11.7	9.7	11.3	11.4

2010 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 30 entries in the >16" precipitation zone averaged 104 bushels/acre, equivalent to the 2009 average of 105 bushels/acre. 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.
2. The cultivar yields averaged across locations ranged from 71 to 139 bushels/acre with Norwest 553 highest.
3. Test weight averaged 58.5 lb/bu and was much lower than last year. Grain protein averaged 12.4% and was higher than last year's 11.9% value.