

2010 WSU EXTENSION HARD WINTER WHEAT NURSERY AT ALMIRA, WA.

Variety Name <small>*HDWH Italicized</small>	5 YEAR	3 YEAR	2 YEAR	2010					
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
NORWEST 553	111	107	126	152	61.1	13.0	3	36	159
ESPERIA			116	134	61.7	13.2	0	36	156
<i>OR2080229H</i>				125	60.2	12.1	67	44	164
WHETSTONE	103	93	104	119	61.1	13.3	23	42	156
WA008118				114	59.2	15.0	68	45	159
<i>UT SILVER</i>			106	111	58.5	12.9	55	44	162
<i>OR2080156H</i>				111	57.0	14.1	43	40	162
EDDY	104	96	103	109	61.5	13.3	43	43	159
PEREGRINE		94	102	106	58.7	13.2	72	54	160
WA008121				100	61.5	13.9	23	51	159
BOUNDARY	109	95	102	99	58.3	13.5	85	45	162
WB-RIMROCK		101	106	98	57.8	13.0	72	43	159
WA008119				98	52.0	14.1	85	42	163
AGRIPRO PALADIN	98	88	95	97	60.2	13.3	20	40	161
WA008095			98	97	55.6	13.9	80	52	163
WA008120				96	51.5	14.0	83	42	164
FINLEY	92	87	91	94	60.1	13.6	83	52	161
<i>UICF GRACE</i>			91	94	57.0	14.6	95	53	161
<i>WA008096</i>			95	92	52.3	13.4	87	44	164
MDM	105	95	95	91	53.0	13.7	98	40	164
ACCIPITER			95	91	56.5	13.4	68	47	164
BAUERMEISTER	99	92	96	88	53.6	13.9	98	42	164
IDO683			88	88	60.7	15.1	93	48	162
BAU-RT1				87	53.5	14.0	96	40	164
<i>WA008097</i>			93	86	51.1	14.6	96	41	164
WA008070		83	88	85	54.2	14.1	43	52	163
ELTAN(SWW check)	101	92	94	79	50.8	14.0	99	41	164
HATTON	85	87	88	78	58.7	12.7	73	52	163
DECLO		83	88	73	53.8	14.2	27	38	161
FARNUM	89	82	83	70	54.6	14.7	96	52	164
C.V. %	11	11	10	13	2.4	3.3	32	6	0
LSD '@ .10'	6	8	10	17	3.2	1.1	29	4	1
Average	100	92	98	99	56.9	13.7	66	45	162
Highest	111	107	126	152	61.7	15.1	99	54	164
Lowest	85	82	83	70	50.8	12.1	0	36	156

Almira Hard Winter Wheat – Preliminary Data

1. Grain yield in the Almira hard winter wheat trial averaged 99 bushels/acre, 1 bushel/acre lower than the 5-year average for this location. The Almira nursery was located about seven miles north of Almira, WA (Dan McKay, cooperator).
2. This nursery was seeded on 9 September, 2009 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 85#N and a spring soil test showed 420#N/acre available in the top 4-foot sample that should be adequate for hard protein at the projected yield level for this location. Fall seeding conditions, emergence, and stand establishment were adequate. The high available nitrogen contributed to lodging in this trial. Lodging began early, at the time of heading, for some cultivars.
3. Yields ranged from 70 bu/ac to 152 bu/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and Norwest 553 was alone within the top LSD range. Stripe rust was moderate for this year at this location with some impact on susceptible cultivars. The lattice RCBD experimental design did not improve variation allocation during statistical analysis and the CV in this trial was 12.9%.
4. Test weights varied a large amount due to lodging and averaged 56.9 lb/bu with a range from 50.8 to 61.7 lb/bu.
5. Grain protein was good and averaged 13.7% with a range of 12.1 to 15.1%. Plant height averaged 45 inches. Lodging was noted on almost all entries and ranged from 0 to 99%.