

**WSU Variety Testing 2011-12 Hard Winter Wheat Nursery at WSU-Mount Vernon NWREC.**

Variety Name	mkt cl	Yield (bu/a)	Test wt (lbs/bu)	Protein (%)	Plant ht (in)	Head date (Julian)	Lodging (%)	Stripe Rust (infection type/%)
Norwest 553	HRW	<b>167.1</b>	<b>61.3</b>	11.0	40	145	0	0
OR2080236H	HWW	<b>163.1</b>	<b>59.8</b>	10.2	45	150	25	0
OR2080227H	HWW	139.2	<b>61.5</b>	9.9	45	146	30	0
OR2080229H	HWW	138.4	<b>62.4</b>	10.2	49	147	45	0
Azimut	HRW	123.7	56.7	10.6	35	144	0	3/20
Altigo	HRW	111.6	56.1	10.1	39	143	0	5/20
OR2080156H	HWW	109.8	<b>60.6</b>	11.9	42	145	0	3/20
WA 8156	HRW	103.9	<b>59.7</b>	12.1	51	149	45	0
WA 8119	HRW	97.7	57.3	10.3	46	150	50	0
WA 8157	HRW	86.9	54.1	11.9	37	143	25	0
Boundary	HRW	83.8	56.2	11.8	44	146	25	3/20
IDO816	HRW	77.8	55.2	11.8	46	146	80	3/10
WA 8159	HWW	73.7	47.7	12.7	50	149	85	3/40
WA 8158	HRW	71.6	54.8	12.0	45	150	55	0
Farnum	HRW	68.7	55.6	13.2	52	153	98	5/10
WA 8118	HRW	65.9	55.2	<b>14.2</b>	47	138	93	0
UI Silver	HWW	65.5	53.9	11.9	49	147	99	5/40
UI SRG	HRW	61.2	51.9	12.9	44	146	62	3/10
UICF-Grace	HWWI	53.5	54.4	<b>14.6</b>	50	145	87	3/60
Eddy	HRW	48.1	48.9	11.9	39	145	5	8/90
Finley	HRW	45.9	45.8	12.6	49	146	38	5/80
Eltan	SWW	38.4	38.8	12.2	41	150	40	5/60
Bauermeister	HRW	37.8	39.1	12.8	41	147	55	5/80
MDM	HWW	37.3	39.4	12.3	41	151	40	5/40
C.V.%		19	3.6	5.2				
LSD (.10)		26.9	3.2	1.0				
Average		86.3	54.1	11.8	44.5	147	45	
Highest		167.1	62.4	14.6	52	153	99	
Lowest		37.3	39	9.9	35	138	0	

All values within the 10% LSD range of the highest are shown in bold.

The Hard Winter Wheat Nursery was seeded on 12 October, 2011. Seed was placed at 100#/ac seeding rate with a double disc drill set on 6-inch spacing.

No fertilizer was applied in the Fall. Spring soil test showed approximately 100 lbs/ac of N available. Based on an expected yields an additional 60 lbs of N/ac was applied on 23 March, 26 April, and again on 18 May.

There were high levels of lodging for many of the varieties in the trial due to their susceptibility to soil-borne diseases which resulted in greatly reduced grain yield and test wt.

Also effecting grain quality and production was the high levels of stripe rust infection in susceptible varieties. No fungicides were applied for stripe rust control.

The nursery was harvested on 14 August 2012, averaging 86.3 bu/ac.