

2012 WSU Variety Testing Hard Winter Wheat Trial, Lamont

Variety Name <i>*Hard White Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2012				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	LODGING (%)
<i>OR2080236H</i>				136	61.9	11.5	40	0
Azimut			116	129	58.6	11.2	33	0
Altigo			102	128	59.8	11.0	34	0
<i>OR2080227H</i>				127	61.3	10.5	38	3
<i>OR2080229H</i>		101		123	63.3	11.2	37	0
Norwest 553	100	112	136	119	62.6	12.3	35	32
<i>OR2080156H</i>		96	111	118	62.4	12.0	39	3
WA 8157				117	59.4	12.7	40	67
WA 8119		125	133	116	58.9	11.2	39	27
Eddy	91	96	109	115	63.9	12.2	38	0
WA 8156				114	61.7	12.1	43	65
Boundary	103	109	108	108	61.8	11.2	37	10
<i>WA 8159</i>				107	59.5	11.6	42	17
<i>UI Silver</i>		110	111	107	63.1	11.5	40	90
WA 8118		98	102	105	62.2	12.5	42	68
<i>WA 8158</i>				98	60.5	13.0	41	88
IDO816				98	62.1	11.8	40	82
<i>UICF-Grace</i>		90	90	96	61.2	13.1	46	100
Finley	90	93	98	94	63.4	12.2	46	93
Farnum	85	88	94	89	60.1	12.1	45	97
Eltan	86	89	94	88	58.3	11.4	38	72
<i>MDM</i>	96	96	100	85	59.2	11.2	40	90
Bauermeister	88	91	95	84	58.8	11.5	41	98
UI SRG			98	81	62.0	12.4	42	65
C.V. %	12	14	13	11	1.2	6.6	6	45
LSD (.10)	6	9	11	13	0.8	0.8	3	23
Average	92	100	106	108	61.1	11.8	40	49
Highest	103	125	136	136	63.9	13.1	46	100
Lowest	85	88	90	81	58.3	10.5	33	0

Lamont Hard Winter Wheat

1. Grain yield in the 2012 Lamont hard winter wheat trial averaged 108 bushels/acre, 16 bushels/acre higher than the 5-year average. The Lamont nursery was located about five miles southeast of Lamont, WA (G. White, cooperator).
2. This nursery was seeded on 15 September, 2011 following fallow. Seed was placed at an 85#/acre seeding rate using a Hoe-opener plot drill set on 9-inch spacing. Base fertilizer was 80#N/acre applied pre-plant. Based on a spring soil test showing 361 lbs/acre available N, no additional fertilizer was applied for hard wheat protein based on expected yields. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged from 81 bu/a to 136 bu/a. 'Azimut' was the highest yielding named entry in this trial. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 5 of the 24 entries. 'Boundary' was the top yielding hard entry across five years of results at this location. Stripe rust potential at this location was low and fungicide was applied with the herbicide application.
4. Test weights were good averaging 61.1 lbs/bu and ranged from 58.3 to 63.9 lbs/bu. Grain protein averaged only 11.8% with a range of 10.5 to 13.1%. Plant height averaged 40 inches. Lodging averaged 49% and ranged from 0% to 100% and high lodging by some varieties contributed to lower test weights and yield.