

2012 WSU Variety Testing Hard Winter Wheat Trial, Reardan

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	HEAD DATE
<i>MDM</i>	106	118	103	93	61.9	11.9	36	172
WA 8119		133	122	86	59.3	12.1	33	173
<i>OR2080236H</i>				83	60.9	13.0	35	171
Azimut			107	80	59.9	12.8	29	165
Bauermeister	97	110	99	78	61.4	12.0	38	172
<i>OR2080227H</i>				77	62.9	12.5	37	166
Boundary	102	112	93	76	61.7	13.0	33	167
<i>UI Silver</i>		115	103	76	63.3	13.2	35	167
WA 8156				76	60.3	13.2	36	172
<i>WA 8159</i>				75	60.5	12.7	33	171
Altigo			108	72	59.7	12.3	31	164
IDO816				72	61.7	13.3	36	168
<i>WA 8158</i>				72	60.9	13.1	37	170
Farnum	89	98	89	71	60.0	13.1	44	174
Eltan	100	116	105	70	61.8	11.7	33	173
<i>OR2080229H</i>		99		68	63.0	13.8	36	167
Eddy	90	100	87	68	62.9	14.2	31	165
WA 8157				67	61.3	13.7	35	166
UI SRG			108	66	61.9	14.3	38	165
Norwest 553	91	100	92	65	61.9	15.0	27	165
WA 8118		95	89	62	61.9	15.3	37	165
Finley	86	96	84	60	63.3	13.5	41	166
<i>UICF-Grace</i>		89	80	60	60.8	14.3	43	165
<i>OR2080156H</i>		97	86	53	61.3	15.4	33	167
C.V. %	9	9	10	11	0.5	2.7	6	0
LSD (.10)	4	6	7	9	0.3	0.4	2	1
Average	95	106	97	72	61.4	13.3	35	168
Highest	106	133	122	93	63.3	15.4	44	174
Lowest	86	89	80	53	59.3	11.7	27	164

Reardan Hard Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Reardan hard winter wheat trial averaged 72 bushels/acre, 23 bushels/acre lower than the 5-year average. The Reardan nursery was located about 3 miles northeast of Reardan, WA (H. Johnson & T. Carsten, cooperators).

2. This nursery was seeded on 23 September, 2011 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 92#N/acre applied pre-plant. Based on a spring soil test showing 179 lbs./acre available N, 139#N/acre 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 53 bu/ac to 93 bu/ac. The hard white variety 'MDM' 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 3 of the 24 entries. MDM was also 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 on 8 May with the herbicide application.

4. Test weights were good averaging 61.4 lbs./bu and ranged from 59.3 to 63.3 lbs./bu. Grain protein averaged 13.3% with a range of 11.7 to 15.4%. Plant height averaged 35 inches and there was no Lodging.