

## 2013 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)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
<b>Keldin</b>				133	61.5	13.3	37	158	0
<b>WB-Rimrock</b>				121	60.6	13.2	35	158	3
<b>LCS Colonia</b>				116	57.5	13.1	32	162	0
<b>WA 8186</b>				116	59.6	12.3	38	161	0
<b>Boundary</b>	107	100	95	115	61.1	13.3	38	159	0
<b>WB-Arrowhead</b>				113	61.3	12.9	38	157	0
<i>JC1101</i>				112	62.2	12.6	35	159	0
<i>OR2080227H</i>			93	110	60.5	12.4	36	159	0
<i>WA 8183</i>				109	60.1	13.2	34	159	0
<b>NSA06-4663</b>				107	58.7	12.5	31	158	0
<b>WA 8185</b>				105	62.1	13.6	36	161	3
<b>DAS 2</b>				105	61.2	13.7	37	156	0
<b>LCS-Azimut</b>		106	92	105	58.7	12.6	30	159	0
<b>JC1103</b>				104	60.6	13.3	38	160	25
<b>DAS 1</b>				104	59.9	14.0	36	156	0
<i>OR2080236H</i>			94	104	57.9	13.5	36	161	0
<b>JC1102</b>				104	61.2	13.1	36	160	0
<b>Eltan (SWW Check)</b>	105	105	87	104	58.7	12.8	37	162	65
<b>Whetstone</b>				102	62.4	13.9	36	157	0
<i>OR2080229H</i>			85	102	59.4	14.0	37	161	0
<b>Bauermeister</b>	102	100	90	101	58.8	12.6	38	162	70
<i>WA 8184</i>				101	60.6	13.0	37	159	0
<i>OR2080156H</i>		91	76	100	60.0	14.9	36	159	0
<b>Genesis</b>				97	60.1	14.0	31	158	0
<b>Sprinter (WA 8118)</b>		91	79	96	60.1	15.0	38	158	65
<b>WA 8182</b>				94	59.9	14.1	32	159	0
<b>AP503CL2</b>				92	<b>63.3</b>	14.1	36	157	0
<b>Norwest 553</b>	94	91	78	90	62.0	14.1	32	158	0
<b>Farnum</b>	89	87	76	81	57.8	14.7	43	164	87
<b>Finley</b>	88	83	70	80	61.7	13.6	43	158	93
<b>C.V. %</b>	8	8	7	5	1.3	3.1	5	1	105
<b>LSD (.10)</b>	4	5	5	5	0.8	0.4	2	1	15
<b>Average</b>	100	102	85	104	60.3	13.5	36	159	14
<b>Highest</b>	108	127	95	133	63.3	15.0	43	164	93
<b>Lowest</b>	88	83	70	80	57.5	12.3	30	156	0

### Reardan Hard Winter Wheat – Preliminary Data

1. Grain yield in the 2013 Reardan hard winter wheat trial averaged 104 bushels/acre, close to the 5-year average for this location. The Reardan nursery was located about six miles west of Reardan, WA (H. Johnson, Cooperator).
2. This nursery was seeded on 14 September, 2012 following fallow. Seed was placed at an 85#/acre seeding rate using a no-till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base fertilizer was 75#N/acre applied through the drill. Based on a spring soil test showing 205 lbs./acre available N, 49#N/acre was applied for hard wheat protein based on expected yields. Fall seeding conditions were dry but produced good emergence and stand establishment after fall precipitation.
3. Yields ranged from 80 to 133 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 1 of the 30 entries in this trial. 'Keldin' was the highest yielding named hard entry in the trial and 'Boundary' was highest yielding in the 5-year average at this site. It is probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and fungicide was applied with the herbicide.
4. Test weights averaged 60.3 lbs./bu and ranged from 57.5 to 63.3 lbs./bu. Grain protein averaged 13.5% with a range of 12.3 to 15.0%. Plant height averaged 36 inches and there was lodging among prone varieties.