

2013 WSU Variety Testing Hard Winter Wheat Trial, Lind

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
Eltan (SWW Check)	42	46	43	47	60.5	11.7	28	147
Bauermeister	43	46	42	47	60.4	12.0	27	144
WB-Arrowhead				46	60.2	13.3	31	135
JC1101				45	62.1	11.7	27	136
<i>WA 8159</i>			42	45	60.2	12.3	32	143
<i>OR2080236H</i>			43	44	60.4	13.1	28	140
WA 8119		44	37	43	60.4	11.5	27	141
WA 8156			44	43	58.2	12.5	28	146
<i>OR2080227H</i>			41	43	60.9	12.1	28	139
Norwest 553		40	42	43	62.1	13.1	25	139
Finley	41	42	40	42	61.6	12.6	31	137
WA 8179				42	59.8	12.5	31	138
WA 8180				42	61.3	12.0	33	142
<i>OR2080156H</i>		35	35	41	60.8	13.3	28	138
LCS-Azimut		34	33	41	59.0	11.4	24	137
Keldin				41	61.4	13.0	28	137
WA 8181				41	60.6	11.9	34	144
<i>WA 8158</i>			35	41	61.1	12.4	33	143
NSA06-4663				41	59.4	12.0	22	138
LCS Colonia				40	58.7	11.9	27	144
Farnum	45	47	41	40	59.9	13.3	31	148
UI SRG		40	36	40	59.4	13.2	35	139
DAS 1				40	58.6	13.6	28	134
Boundary	39	41	41	40	61.1	12.5	27	139
JC1102				39	60.5	13.0	28	140
WA 8157			36	39	60.6	12.6	29	136
<i>OR2080229H</i>			37	39	60.6	13.0	27	138
Whetstone	34	41		39	61.3	13.1	28	135
<i>UI Silver</i>	36	37	35	39	61.7	12.1	28	138
WA 8178				39	60.8	12.7	34	147
JC1103				39	59.8	13.4	27	140
Genesis				38	59.5	12.9	22	139
DAS 2				36	60.2	12.8	26	135
IDO816			37	35	61.2	12.2	34	140
AP503CL2				35	63.0	13.1	28	135
Sprinter (WA 8118)		38	34	34	61.7	14.2	28	133
C.V. %	12	11	11	8	1.2	3.2	11	3
LSD (.10)	2	3	3	3	0.8	0.4	0	0
Average	40	41	39	41	60.5	12.6	29	140
Highest	45	48	44	47	63.0	14.2	35	148
Lowest	34	34	33	34	58.2	11.4	22	133

Lind Hard Winter Wheat – Preliminary Data

1. Grain yield in the 2013 Lind hard winter wheat trial averaged 41 bushels/acre, equivalent to the 5-year average for this location. The Lind nursery was located on the WSU Lind Dryland Experiment Station three miles NE of the town of Lind.
2. This nursery was seeded on 7 September, 2012 following fallow. Seed was placed at a 50#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 50#N/acre pre-plant applied. Based on a spring soil test showing 136 lbs./acre available N, 40 lbs./acre of additional N was applied for hard wheat protein based on expected yields. Fall seeding conditions produced good emergence and stand establishment.
3. Yields ranged from 34 to 47 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 6 of the 36 entries in this trial. The WSU variety 'Bauermeister' was the highest yielding named hard wheat entry in the trial. 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 no fungicide was applied.
4. Test weights averaged 60.5 lbs./bu and ranged from 58.2 to 63.0 lbs./bu. Grain protein averaged 12.6% with a range of 11.4 to 14.6%. Plant height averaged 29 inches and there was no lodging.