

2011 WSU Variety Testing Hard Spring Wheat Trial, Lind

Variety Name <i>*Hard White Italized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
Lassik		41	50	54	61.1	12.8	0	25	165
BR7030			44	53	61.6	12.5	0	29	164
WA 8123			46	52	60.8	13.3	0	28	164
WA 8133				50	61.6	13.2	0	30	164
Jefferson	30	38	47	49	60.3	13.2	0	29	164
WA 8074		37	44	49	61.5	13.3	0	28	162
Scarlet	32	39	45	48	59.5	14.1	0	31	166
WA 8148				48	59.9	13.5	0	28	165
UI Winchester		36	44	47	61.2	12.8	0	27	163
Patwin 515				47	60.6	13.5	0	21	165
Buck Pronto	27	34	42	46	60.6	14.5	0	27	162
Bullseye		36	43	46	62.7	12.8	0	26	165
Otis		35	41	45	61.2	12.5	0	32	166
IDO702				45	58.7	13.5	0	28	163
Hollis	28	34	41	44	59.7	14.6	0	34	165
Westbred 926	26	32	38	44	59.7	13.7	0	27	162
WB-Fuzion			41	44	59.8	13.6	0	30	163
Clear White 515				43	59.0	14.5	0	26	161
10Fx Inc.1				43	60.8	13.8	0	28	165
Cerere				43	60.1	12.9	0	26	172
Macon		35	41	42	59.8	12.0	0	29	163
Tara 2002	26	33	39	42	59.5	13.3	0	29	162
Kelse	29	36	41	42	61.1	14.3	0	31	165
Hank	27	32	37	40	59.1	13.2	0	28	164
C.V.	9	7	7	5	0.9	1.9	0	5	0
LSD	1	2	2	3	0.7	0.4	0	3	1
Average	28	36	43	46	60.4	13.4	0	28	164
Highest	32	41	50	54	62.7	14.6	0	34	172
Lowest	26	32	37	40	58.7	12.0	0	21	161

Lind Hard Spring Wheat – Preliminary Data

1. Grain yield in the Lind hard spring wheat trial averaged 46 bushels/acre, 18 bushel/acre higher than the 5-year average. The Lind nursery was located on the WSU Lind Dryland Experiment Station three miles NE of Lind, WA. This nursery was conducted in cooperation with the WSU spring wheat breeding program.
2. This nursery was seeded on 18 March, 2011 following fallow. Seed was placed at a 60#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 50#N and soil test analysis showed ample N available to meet the hard protein target at projected yield levels. Spring seeding conditions were good. Cool and wet weather occurred until anthesis when dry weather prevailed through the remainder of the growing season.
3. Yields ranged from 40 bu/ac to 54 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 24 entries are in this group. Lassik was the highest yielding named variety for 2011 and also highest yielding over 3 years at this location. Stripe rust was at moderate levels in the trial and incurred an estimated 20% yield impact on susceptible varieties. The Lattice design was 142% efficient compared to an RCBD for yield.
4. Test weights were good with an average of 60.4 lb/bu and ranged from 58.7 to 62.7 lb/bu. Grain protein averaged 13.4% with a range of 12.0 to 14.6%. The average plant height was 28 inches with no lodging.