

2011 WSU Variety Testing Hard Winter Wheat Trial, Lind

Variety Name <small>*Hard White Italized</small>	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
WA 8119			56	59	60.9	12.2	0	36
Farnum	43	47	54	58	60.6	13.0	0	39
WA 8120			53	56	61.3	12.3	0	36
Bauermeister	40	43	49	55	61.2	12.0	0	37
Eltan (SWW Check)	39	41	46	51	61.0	11.1	0	35
MDM	39	41	46	49	61.6	11.3	0	36
ML9W05-2501				49	62.3	13.7	0	39
WA 8070		43	48	48	61.7	12.1	0	40
WA 8096		40	45	48	60.1	11.0	0	36
IDO656				47	62.1	13.9	0	40
WA 8118			40	45	61.6	14.2	0	39
Finley	39	41	45	44	62.8	12.3	0	40
Boundary	36	37	43	42	60.3	12.3	0	34
Whetstone	30	33	36	42	62.0	13.0	0	36
AgriPro Paladin	29	30	33	40	62.2	12.7	0	34
WB-Tucson		32		40	62.2	12.9	0	35
Peregrine		40	42	40	62.2	11.7	0	40
Accipiter		35	41	40	62.2	11.7	0	36
UI Silver		36	40	40	62.9	13.2	0	37
IDO835				37	61.4	11.6	0	34
OR2080111H				37	59.8	12.7	0	33
Norwest 553	29		35	36	62.2	13.9	0	32
Eddy	31		33	36	62.0	12.2	0	34
UICF-Grace		32	34	36	60.7	13.2	0	41
Azimut				36	60.6	12.5	0	31
Genesi				36	60.2	12.8	0	30
OR2080156H			34	34	60.8	13.1	0	34
Altigo				29	58.5	11.8	0	31
Esperia		19	22	28	60.9	13.6	0	32
Hatton	31	29	32	23	60.4	11.9	0	37
C.V.	21	17	13	12	0.6	3.2	0	4
LSD	4	5	6	10	0.7	0.8	0	3
Average	35	36	41	42	61.3	12.5	0	36
Highest	43	47	56	59	62.9	14.2	0	41
Lowest	29	19	22	23	58.5	11.0	0	30

Lind Hard Winter Wheat – Preliminary Data

1. Grain yield in the Lind hard winter wheat trial averaged 42 bushels/acre, 7 bushels/acre higher than the 5-year average. Higher yields were enabled by favorable spring precipitation and temperatures. 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 3 September, 2010 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill set on 15-inch spacing. Base fertilizer was 50#N and a spring soil test analysis showed 160# N/ac available in the top 4 feet and that was a more than adequate N supply for hard protein levels at projected yield levels. Fall seeding conditions were favorable and emergence and stand establishment were good.

Yields ranged from 23 bu/ac to 59 bu/ac. Farnum was the highest yielding named variety in this trial. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 7 of the 30 entries. Farnum was the top yielding entries across five years of results. There was a relatively low level of stripe rust at this location and no fungicide was applied. Stripe rust impact on crop performance was low. The CV for this trial was 12 and is lower than in most previous years. The Lattice design was 157% efficient compared to an RCBD.

Test weights were very good with an average of 61.3 lb/bu. Grain protein averaged 12.5% with a range of 11.0% to 14.2%. Protein overall was lower than predicted because of high yield levels. Plant height averaged 36 inches with no lodging.