2011 WSU Variety Testing Hard Spring Wheat Trial, Lamont

Variety Name *Hard White Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011 YIELD (BU/A)	2011 TEST WT (LBS/BU)	2011 PROTEIN (%)	2011 PLANT HT	2011 HEAD DATE
BR7030			82	**77**	62.4	11.3	32	167
WA 8123			74	**77**	61.8	10.8	32	168
Lassik		63	72	**75**	61.8	11.9	29	169
Scarlet	56	66	71	71	61.1	11.7	35	169
Macon		55	62	70	60.8	10.5	34	169
WA 8133				70	62.2	11.4	32	168
Clear White 515				69	60.8	12.0	31	165
WA 8074		59	68	68	61.8	10.9	33	168
Patwin 515				68	60.7	12.5	24	169
Kelse	46	53	59	67	61.7	11.4	34	166
Bullseye		55	62	66	**63.1**	10.4	29	168
UI Winchester		59	68	66	61.8	10.8	31	167
Tara 2002	44	50	55	65	61.1	11.2	34	167
Buck Pronto	48	58	62	65	61.3	12.6	33	167
WA 8148				65	61.1	11.8	32	168
10Fx Inc.1				65	62.2	10.9	31	169
Otis		60	63	64	61.2	10.2	36	169
Jefferson	49	58	66	64	61.0	10.7	32	168
Hollis	48	56	61	62	60.6	13.5	42	166
Westbred 926	46	53	58	62	60.0	11.9	32	166
IDO702				62	60.1	11.3	33	169
WB-Fuzion			54	59	60.6	11.5	33	166
Cerere				59	60.2	10.1	28	171
Hank	42	46	47	54	58.8	10.7	29	167
C.V.	13	10	9	4	0.4	6.8	4	0
LSD	2	4	5	4	0.2	0.8	1	1
Average	47	57	64	66	61.2	11.3	32	168
Highest	56	66	82	77	63.1	13.5	42	171
Lowest	42	46	47	54	58.8	10.1	24	165

Lamont Hard Spring Wheat – Preliminary Data

1. Grain yield in the Lamont hard spring wheat trial averaged 66 bushels/acre 19 bu/acre higher than the 5-year average. The Lamont nursery was located about five miles southeast of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 18 April, 2011 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base fertilizer was 70#N/acre and soil test analysis showed an adequate level of N available. No additional N was applied to meet the hard protein target at projected, historical yield levels. Spring seeding was late but establishment was good.
3. Yields ranged from 54 bu/acre to 77 bu/acre. 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 Scarlet was highest yielding over 5 years at this location. Stripe rust was a factor in this trial but no fungicide was applied. There appears to be a stripe rust effect on yield for susceptible entries of 20% or more. The Lattice design was 118% efficient compared to an RCBD for yield.
4. Test weights were good with an average of 61.2 lb/bu and ranged from 58.8 to 63.1 lb/bu. Grain protein averaged 11.3% with a range of 10.1 to 13.5%. Protein was lower than desired because of the higher than anticipated and fertilizer for yield. The average plant height was 32 inches with no lodging.