

2010 WSU EXTENSION HARD SPRING WHEAT NURSERY AT LAMONT, WA.

Variety Name <small>*HDVH Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2010				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>BR7030</i>				88	62.5	13.3	33	172
<i>WA008100</i>			64	80	62.7	12.1	37	175
<i>PATWIN</i>				75	59.1	14.3	29	173
SCARLET	56	54	64	71	61.2	15.9	36	172
<i>WA008123</i>				71	61.3	14.6	33	168
UI WINCHESTER		45	55	70	61.2	14.1	32	170
WA008074			55	68	61.2	14.3	33	170
LASSIK			57	68	62.2	14.8	29	172
JEFFERSON	52	46	55	67	60.8	13.7	34	172
<i>WA008122</i>				65	59.4	13.0	38	172
<i>OTIS</i>			58	62	61.9	12.5	37	174
HOLLIS	51	45	52	60	59.7	15.5	41	173
BUCK PRONTO	48	44	54	60	60.6	15.6	33	166
BULLSEYE		41	49	58	62.4	14.3	28	172
WESTBRED 926	47	42	48	55	58.1	15.2	32	170
<i>MACON</i>			48	53	59.4	13.0	34	172
KELSE	47	41	47	51	59.7	15.6	34	173
<i>CLEAR WHITE</i>			49	51	59.7	13.1	28	169
WB-FUZION		38		50	58.8	13.9	32	168
OR4990114			43	50	59.7	13.9	31	171
TARA 2002	45	37	43	46	57.4	14.7	33	168
HANK	46	38	41	40	54.6	15.0	29	171
IDO667				38	58.0	13.4	30	170
IDO665				37	55.6	15.3	31	171
C.V. %	9	9	10	11	1.1	2.5	4	1
LSD '@ .10'	3	4	5	9	0.9	0.5	2	1
Average	49	43	52	60	59.9	14.2	33	171
Highest	56	54	64	88	62.7	15.9	41	175
Lowest	45	37	41	37	54.6	12.1	28	166

Lamont Hard Spring Wheat – Preliminary Data

1. Grain yield in the Lamont hard spring wheat trial averaged 60 bushels/acre that was 11 bushels/acre higher than the 5-year average for this site. The Lamont nursery was located 4 miles southeast of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 1 April, 2010 following spring wheat. Seed was placed at a 70#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base applied fertilizer was 70#N/acre and an early spring soil test showed an additional 281#N/acre in the top 4 foot profile that in total is more than adequate for hard protein based on expected yield levels for this location. Spring seeding and growing conditions were good. Stripe rust was a factor in performance of susceptible cultivars in this trial and is shown in lower test weight and yield.
3. Yields ranged from 37 bu/ac to 88 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 24 entries are in this group. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 36% for yield. Although the CV is 10.6% in this trial, there is a highly significant F-test and good separation of variety performance.
4. Test weights were good averaging 59.9 lb/bu and ranged from 54.6 to 62.7 lb/bu. Grain protein averaged 14.2% with a range of 12.1 to 15.9%. The average plant height was 33 inches.