

## 2011 WSU Variety Testing Hard Spring Wheat Trial, Moses Lake

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 (%)	PLANT HT	HEAD DATE	LODGING (%)
Otis	--	118	112	113	64.1	13.2	42	166	0
WA 8123	--		122	113	63.8	14.0	36	164	0
Macon	--	104	102	105	<b>64.5</b>	13.0	39	165	0
WA 8148	--			105	62.4	14.5	36	167	0
WA 8074	--	114	111	103	64.1	14.4	38	163	0
WA 8133	--			103	64.1	13.3	38	166	0
Bullseye	--	113	108	102	64.1	14.5	34	165	0
Lassik	--	117	110	102	63.3	13.6	30	167	0
H0900053	--			101	64.2	14.3	37	165	0
Jefferson	--	110	106	100	63.4	14.3	38	166	0
Malbec	--	112	110	100	63.4	15.6	33	163	0
IDO702	--			100	63.6	14.8	39	166	0
UI Winchester	--	110	108	99	64.3	15.3	36	165	0
Cerere	--			99	63.0	13.0	37	167	0
BR7030	--		112	97	63.7	12.9	35	164	0
Scarlet	--	100	96	97	63.3	14.7	43	165	15
Hank	--	114	110	97	62.2	14.8	36	165	0
Hollis	--	97	99	96	63.6	14.9	44	166	0
Tara 2002	--	110	106	95	63.4	14.1	38	163	0
H0800103L	--			95	63.5	15.1	39	166	0
H0800315	--			95	63.6	15.0	34	164	0
Kelse	--	106	100	94	63.4	16.3	40	166	0
Cabernet	--	114	109	93	64.0	15.0	31	164	0
Westbred 926	--	108	107	92	62.8	14.9	36	163	0
WB-Fuzion	--		111	91	63.8	15.4	39	164	0
Buck Pronto	--	107	102	87	63.4	15.9	37	161	0
Clear White 515	--			87	62.7	14.5	33	162	0
10Fx Inc.1	--			87	<b>64.7</b>	15.0	38	165	0
WB-Rockland	--			81	63.0	17.1	29	164	0
Patwin 515	--			80	61.8	15.3	27	166	0
C.V.	--	8	6	4	0.3	1.7	3	0	796
LSD	--	5	5	6	0.2	0.3	1	1	4
Average	--	110	107	97	63.5	14.6	36	165	1
Highest	--	118	122	113	64.7	17.1	44	167	15
Lowest	--	97	96	80	61.8	12.9	27	161	0

### Moses Lake (Irrigated) Hard Spring Wheat – Preliminary Data

1. Grain yield in the Moses Lake hard spring wheat trial averaged 97 bushels/acre and was similar to the 5-year average. The Moses Lake nursery was located about two miles east of Quincy, WA (J. Lafave, cooperator).
2. This nursery was seeded on 17 March, 2011 following Edamame beans. Seed was placed at a 100#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base fertilizer was 100#N/acre and soil test analysis showed 372#N/acre available. An additional 50#N/acre was applied to meet the hard protein target at projected, historical yield levels. Spring seeding was timely and establishment was good.
3. Yields ranged from 80 bu/acre to 113 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 30 entries are in this group. The hard white Otis was the highest yielding entry for 2011 and was highest yielding over 3 years at this location. Stripe rust was a minor factor in this trial and no fungicide was applied. The Lattice design was 108% efficient compared to an RCBD for yield.
4. Test weights were very good with an average of 63.5 lb/bu and ranged from 61.8 to 64.7 lb/bu. Grain protein averaged 14.6% with a range of 12.9 to 17.1%. The average plant height was 36 inches with minor lodging.