

2010 WSU EXTENSION IRR. ONLY HARD SPRING WHEAT NURSERY AT MOSES LAKE, WA.

Variety Name *HDWH Italicized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2010					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<i>WA008123</i>	--	--		135	60.9	12.5	23	39	161
IDO665	--	--		131	60.2	13.4	0	39	160
CABERNET	--	--	126	130	62.0	13.4	0	34	161
WB-FUZION	--	--		130	61.3	14.2	0	42	160
EXPRESSO	--	--	125	128	60.9	13.8	0	37	162
<i>BR7030</i>	--	--		127	62.6	12.4	0	37	161
SOLANO	--	--	123	127	60.6	14.3	0	32	161
HANK	--	--	123	123	58.3	14.4	0	39	160
WESTBRED 926	--	--	116	122	59.5	14.3	0	38	159
MALBEC	--	--	119	121	61.6	13.6	0	35	159
WA008074	--	--	120	120	59.9	14.5	18	40	161
OR4990114	--	--	123	120	58.9	13.4	0	37	160
RSI40240R	--	--		120	57.4	14.1	0	34	165
<i>CLEAR WHITE</i>	--	--	124	118	61.2	12.6	0	34	158
LASSIK	--	--	124	118	59.7	13.1	0	35	164
MAESTRALE (Durum)	--	--		118	60.8	13.6	13	37	159
UI WINCHESTER	--	--	116	117	61.9	13.5	57	39	161
<i>WA008122</i>	--	--		117	58.9	12.6	23	43	161
TARA 2002	--	--	116	116	60.8	14.3	23	40	159
IDO667	--	--		116	62.2	14.0	15	37	161
BULLSEYE	--	--	119	115	61.7	13.3	37	35	163
SARAGOLLA (Durum)	--	--		114	60.8	13.4	0	33	160
ARS03173LS (SWS)	--	--		114	60.2	10.9	5	42	166
BUCK PRONTO	--	--	114	112	61.2	15.7	3	42	158
<i>OTIS</i>	--	--	121	110	59.7	12.9	0	46	165
<i>OTIS-RT2</i>	--	--		110	60.2	12.9	10	46	165
JEFFERSON	--	--	113	109	58.8	13.8	33	42	162
KELSE	--	--	114	108	60.4	15.3	0	39	165
KELSE-RT2	--	--		107	60.4	15.1	0	39	165
ARS03438LS (SWS)	--	--		103	59.9	13.1	70	47	162
HOLLIS	--	--	97	102	59.8	14.5	40	48	161
<i>PATWIN</i>	--	--		101	57.7	14.3	0	34	166
<i>MACON</i>	--	--	103	99	58.9	12.9	59	40	162
<i>WA008100</i>	--	--	112	99	59.4	12.4	47	42	166
SCARLET	--	--	99	90	58.3	15.1	65	42	164
NORMANNO (Durum)	--	--		87	59.0	14.1	0	34	165
C.V. %	--	--	6	6	1.2	3.2	108	4	0
LSD '@ .10'	--	--	7	9	1.0	0.6	22	2	1
Average	--	--	116	115	60.2	13.7	15	39	162
Highest	--	--	126	135	62.6	15.7	70	48	166
Lowest	--	--	97	87	57.4	10.9	0	32	158

Moses Lake Irrigated Only Hard Spring Wheat – Preliminary Data

1. Grain yield in the Moses Lake hard spring wheat trial averaged 115 bushels/acre. The entry list for this trial is unique to this location and includes hard red, hard white (shown in *italic*), durum, and soft white cultivars. The Moses Lake nursery was located 12 miles west of Moses Lake, WA (J. LaFave, cooperator).
2. This nursery was seeded on 24 March, 2010 following Bluegrass seed. Wheat seed was placed at a 90#/acre seeding rate using a double disk plot drill set on 6-inch spacing. Base fertilizer was 100#N/acre and another 70#/acre was applied through irrigation. In addition, 61 #N/acre residual was determined in a four foot soil sample. Spring seeding conditions were good and stripe rust was not a big factor in this trial. The spring wheat breeding program cooperated with the variety testing program conducting this study.
3. Yields ranged from 87 bu/ac to 135 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 36 entries are in this group. Cabernet and WB-Fusion were the highest yielding named varieties in the trail. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 19% for yield.
4. Test weights were good averaging 60.2 lb/bu and ranged from 57.4 to 62.6 lb/bu. Grain protein was good and averaged 13.7% with a range of 10.9 to 15.7%. The average plant height was 39 inches. There was moderate lodging for some varieties in the trial and ranged from 0 to 70% lodged.