

2013 WSU Variety Testing Hard Spring Irr Wheat Trial, Moses Lake

Variety Name <i>*Hard White Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
<i>Dayn (WA 8123)</i>		110	109	136	62.2	13.9	41	153	0
<i>IDO1202S</i>				130	59.8	13.9	44	156	0
<i>COI565W</i>				127	62.5	13.2	47	156	0
IDO862E				124	62.8	14.3	40	151	0
<i>IDO694C</i>				123	61.7	13.7	35	150	0
Jefferson	106	101	101	122	62.0	13.8	40	155	5
Glee (WA 8074)	107	98	96	121	62.4	14.3	41	152	7
UI-Winchester			98	121	62.6	14.4	40	154	0
Bullseye	109	102	102	120	59.1	14.8	36	155	0
<i>Otis</i>	113	107	105	120	61.1	13.4	46	156	0
<i>WA 8192</i>				117	60.5	13.5	41	154	22
WB9576				117	61.3	15.8	35	155	0
Glee-G2				117	62.7	14.6	40	152	15
LCS-Buck Pronto	103	95	98	117	61.7	13.8	41	154	7
Tara 2002	103	95	94	117	61.7	14.6	42	153	0
<i>WA 8163</i>			94	117	62.0	14.6	42	156	0
Espresso	109		93	116	61.7	15.1	37	155	0
WA 8164			95	116	62.1	15.0	41	153	0
LNR10-0551				116	63.0	13.3	40	156	0
Solano	108		92	116	62.3	15.0	33	154	0
SY605 CL			88	115	63.1	15.5	42	152	0
Kelse	101	93	93	115	61.2	15.4	43	155	0
WBEXP-552				115	63.4	15.4	35	151	0
<i>WB Harline</i>			90	115	59.5	15.4	41	155	0
Cabernet	103	89	87	112	62.4	14.3	34	154	0
IDO862T				111	63.1	14.3	41	153	0
<i>BR7030</i>		94	93	111	61.9	13.4	40	153	0
<i>AUBR31059W (Roydon)</i>				111	62.3	13.7	38	150	0
11SB0096				111	60.0	14.4	39	156	0
<i>CHBR1481W (Rexon)</i>				110	61.6	13.7	43	151	0
<i>08SB0658-B</i>				109	59.1	14.4	37	156	0
WB9229				109	61.7	15.2	35	155	0
<i>Patwin 515</i>		85	87	105	57.3	14.9	32	157	0
Lassik	111	103	103	105	58.4	13.0	35	157	0
Glee-0W				104	62.0	14.6	41	152	18
Scarlet	95	91	88	102	58.5	14.9	43	156	38
Hollis	94	92	91	102	61.4	14.9	48	154	48
WA 8165			88	102	61.9	16.1	48	154	58
WA 8166			89	101	60.5	15.3	41	155	0
WB9879CLP				101	61.5	15.2	42	157	0
WA 8191				100	60.3	13.5	44	156	28
WA 8190				96	58.2	14.5	43	157	0
C.V. %	8	9	10	7	2.1	2.1	3	1	105
LSD (.10)	4	5	8	9	1.4	0.3	1	1	7
Average	105	97	95	114	61.3	14.5	40	154	6
Highest	113	110	109	136	63.4	16.1	48	157	58
Lowest	94	85	87	96	57.3	13.0	32	150	0

Moses Lake Irrigated Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Moses Lake hard spring wheat trial averaged 114 bushels/acre, 9 bushels/acre higher than the 5-year average. The Moses Lake nursery was located about six miles southeast of Moses Lake, WA (R. Bergeson, cooperator).
2. This nursery was seeded on 18 March, 2013 following Potatoes. Seed was placed at a 100#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 150#N/acre applied at planting and a spring soil test analysis showed 257 #N/acre. No additional fertilizer was applied to the hard trial to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 96 bu/acre to 136 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 42 entries are in this group. The WSU new hard white variety 'Dayn' was the highest yielding entry in the trial and 'Lassik' was highest yielding over 5-years at this location. No fungicide was applied and stripe rust was not a factor.
4. Test weights averaged 61.3 lbs/bu with a range from 57.3 to 63.4 lbs/bu. Grain protein averaged 14.5% with a range of 13.0 to 16.1%. The average plant height was 40 inches and lodging ranged from 0 to 58%.