

2013 WSU Variety Testing Hard Spring Wheat Trial, Mayview

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
Glee-G2				59	60.8	12.7	32	167
<i>BR7030</i>		48	45	59	61.9	12.9	31	172
<i>COI565W</i>				58	60.6	12.5	32	172
Glee (WA 8074)	49	52	52	58	61.1	11.9	32	169
<i>Dayn (WA 8123)</i>		46	44	57	61.4	12.8	31	168
Glee-0W				57	61.0	12.2	32	167
<i>WA 8163</i>			48	56	62.0	12.4	33	179
<i>WB Hartline</i>			50	56	59.8	11.6	31	171
Scarlet	48	49	48	56	59.5	12.6	34	171
Bullseye	48	46	46	56	62.5	12.2	29	169
WA 8166			49	56	61.3	12.4	32	176
<i>Otis</i>	46	49	51	55	61.1	12.2	36	174
<i>AUBR31059W (Roydon)</i>				55	61.4	12.3	30	166
Kelse	45	48	47	54	61.2	14.1	33	170
WA 8165			46	54	61.9	13.4	41	172
SY605 CL			45	54	62.1	12.8	33	168
Jefferson	45	46	46	54	60.5	12.2	32	171
LCS-Buck Pronto	45	48	45	53	60.5	13.5	31	170
Lassik	47	48	44	53	61.4	12.6	28	170
Tara 2002	45	46	44	53	61.0	13.4	33	168
<i>IDO1202S</i>				52	61.7	13.6	33	173
<i>WA 8192</i>				52	61.0	11.7	31	176
<i>CHBR1481W (Rexon)</i>				52	60.6	12.9	33	167
WA 8191				51	60.6	11.3	32	174
<i>IDO694C</i>				51	62.2	14.0	28	167
<i>08SB0658-B</i>				50	59.3	13.3	26	172
11SB0096				50	60.1	12.8	28	172
LNR10-0551				50	61.9	13.9	32	175
UI-Winchester				50	60.6	13.4	29	168
<i>Patwin 515</i>		44	40	50	59.7	13.7	25	172
WB9879CLP				50	60.1	13.4	31	173
Hollis	43	45	44	50	60.0	14.2	39	171
WA 8164			41	48	61.1	14.0	30	170
IDO862T				48	60.5	14.2	30	170
IDO862E				48	60.6	13.7	29	167
WA 8190				45	58.7	13.8	33	179
C.V. %	7	6	6	4	0.7	5.4	3	1
LSD (.10)	2	2	2	2	0.5	0.7	1	1
Average	46	48	46	53	60.9	13.0	32	171
Highest	49	52	52	59	62.5	14.2	41	179
Lowest	43	44	40	45	58.7	11.3	25	166

Mayview Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Mayview hard spring wheat trial averaged 53 bushels/acre, 7 bushels/acre higher than the 5-year average. The Mayview nursery was located about 3 miles south of the Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R. & R. Koller, cooperator).
2. This nursery was seeded on 12 April, 2013 following winter wheat. Seed was placed at an 80#/acre seeding rate using a plot drill equipped with double-disk openers. Base fertilizer was 75#N/acre applied at before planting and soil testing. A spring soil test analysis showed 266#N/acre and no additional fertilizer was applied to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 45 bu/acre to 59 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 36 entries are in this group. 'Glee-G2', Glee with 2 oz/100 lb seed of insecticide seed treatment instead of the standard rate, was the highest yielding entry in the trial and 'Glee' with standard seed treatment was highest yielding over 5-years at this location. Fungicide was applied early and stripe rust was not a factor.
4. Test weights averaged 60.9 lbs/bu with a range from 58.7 to 62.5 lbs/bu. Grain protein averaged 13.0% with a range of 11.3 to 14.2%. The average plant height was 32 inches with no lodging.