

2013 WSU Variety Testing Hard Spring Wheat Trial, Dayton

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-0W				49	60.8	14.4	24	158
<i>Otis</i>	55	65	51	48	60.7	14.2	32	159
<i>COI565W</i>				48	59.5	15.4	29	162
<i>BR7030</i>		69	55	48	60.6	14.1	27	159
<i>WB Hartline</i>			53	47	59.6	14.5	26	162
<i>WA 8163</i>			50	46	60.6	14.9	30	164
LCS-Buck Pronto	56	61	49	46	60.4	14.9	26	162
Glee-G2				46	61.2	14.1	26	161
Lassik	60	65	51	45	61.0	14.1	23	163
Scarlet	57	64	51	45	58.8	15.1	28	161
<i>IDO1202S</i>				45	60.7	14.6	27	164
<i>WA 8192</i>				45	60.4	13.3	27	159
WA 8165			49	45	60.6	15.9	30	163
<i>AUBR31059W (Roydon)</i>				45	60.8	14.7	25	157
UI-Winchester				44	60.8	14.5	24	157
WA 8166			48	44	60.4	15.1	28	160
Kelse	56	63	50	44	60.3	15.2	29	158
WA 8191				44	60.6	13.7	26	162
Glee (WA 8074)	56	63	51	44	60.9	14.6	24	155
WA 8190				44	58.6	14.8	29	163
LNR10-0551				44	61.2	15.0	27	159
Jefferson	54	60	49	43	60.4	14.9	26	164
SY605 CL			46	43	61.4	16.0	26	160
WA 8164			47	42	60.6	15.4	26	161
<i>Dayn (WA 8123)</i>		63	47	42	60.4	14.9	25	160
IDO862T				42	60.7	15.3	25	159
IDO862E				41	60.7	15.3	25	158
Bullseye	55	60	47	40	62.1	15.5	23	163
11SB0096				40	59.3	13.9	25	163
<i>CHBR1481W (Rexon)</i>				40	59.9	14.7	27	159
<i>08SB0658-B</i>				39	59.9	13.8	23	163
Hollis	50	57	46	39	59.4	16.0	33	162
<i>IDO694C</i>				39	61.7	13.7	23	161
<i>Patwin 515</i>		58	45	39	58.9	14.8	20	160
WB9879CLP				38	59.6	16.2	26	160
Tara 2002	47	55	43	37	59.6	14.8	26	160
C.V. %	7	7	6	7	0.5	2.2	6	1
LSD (.10)	2	2	2	3	0.3	0.3	2	2
Average	55	62	49	43	60.4	14.8	26	161
Highest	60	69	55	49	62.1	16.2	33	164
Lowest	47	55	43	37	58.6	13.3	20	155

Dayton Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Dayton hard spring wheat trial averaged 43 bushels/acre, 12 bushels/acre lower than the 5-year average. The Dayton nursery was located about six miles northwest of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 2 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 169#N/acre applied at planting. A spring soil test analysis showed 64#N/acre and 4#N/acre 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 37 bu/acre to 49 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 36 entries are in this group. 'Glee-0W', Glee with no insecticide seed treatment instead of the standard rate, was the highest yielding entry in the trial and 'Scarlet' was highest yielding over 5-years at this location. Fungicide was applied early and stripe rust was not a factor.
4. Test weights averaged 60.4 lbs/bu with a range from 58.6 to 62.1 lbs/bu. Grain protein averaged 14.8% with a range of 13.3 to 16.2%. The average plant height was 26 inches with no lodging.