

2013 WSU Variety Testing Hard Spring Wheat Trial, Connell

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
<i>Otis</i>	28	25	26	23	59.8	15.0	24
<i>IDO1202S</i>				23	59.0	15.2	24
WA 8190				22	56.3	14.4	24
<i>WA 8163</i>			26	22	58.7	15.6	22
<i>WA 8192</i>				21	59.9	14.3	23
Scarlet	29	25	24	21	57.1	15.8	23
Lassik	28	23	24	21	61.2	15.3	22
WA 8165			25	20	60.5	16.3	25
WB9879CLP				20	59.8	16.5	21
<i>COI565W</i>				20	58.6	15.7	23
LCS-Buck Pronto	25	22	23	20	60.3	16.0	20
<i>BR7030</i>		24	23	20	61.2	16.1	25
Glee-G2				20	61.5	16.2	24
Glee (WA 8074)	26	23	24	20	61.7	15.8	23
UI-Winchester				19	61.1	16.2	20
WA 8191				19	57.3	14.2	23
Kelse	26	24	24	19	60.0	16.9	27
Glee-0W				19	61.4	16.0	25
WA 8166			25	19	60.9	15.7	21
<i>WB Harline</i>			25	18	59.1	16.7	23
Jefferson	27	23	24	18	60.0	16.0	21
Hollis	27	24	23	18	60.1	15.8	25
Bullseye	26	22	23	18	61.0	15.8	20
SY605 CL			23	18	60.9	16.5	23
<i>Dayn (WA 8123)</i>		22	22	17	59.3	15.8	22
IDO862T				17	59.8	16.3	22
<i>CHBR1481W (Rexon)</i>				17	61.2	16.2	25
<i>08SB0658-B</i>				16	59.3	15.5	21
11SB0096				16	58.8	15.3	21
WA 8164			21	16	60.8	16.8	23
<i>IDO694C</i>				16	61.2	15.8	22
Tara 2002	22	20	19	16	59.4	16.6	23
IDO862E				16	60.5	16.4	21
LNR10-0551				15	59.9	15.7	21
<i>Patwin 515</i>		20	19	15	59.3	16.5	16
<i>AUBR31059W (Roydon)</i>				15	61.4	16.6	24
C.V. %	8	8	8	9	0.9	1.7	6
LSD (.10)	1	1	1	2	0.6	0.3	2
Average	26	22	23	19	60.0	15.9	23
Highest	29	25	26	23	61.7	16.9	27
Lowest	22	18	19	15	56.3	14.2	16

Connell Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Connell hard spring wheat trial averaged 19 bushels/acre, 7 bushels/acre lower than the 5-year average. The Connell nursery was located about six miles east of Connell, WA (D. Bauermeister, cooperator).
2. This nursery was seeded on 13 March, 2013 following fallow. Seed was placed at a 60#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 63#N/acre fall applied at planting and a spring soil test analysis showed 218 #N/acre available to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 15 bu/acre to 23 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 36 entries are in this group. The hard white variety 'Otis' was the highest yielding in 2013, and 'Scarlet' was the highest yielding over 5 years at this location. Fungicide was applied at jointing as a preventative for stripe rust.
4. Test weights averaged 60.0 lbs/bu with a range from 56.3 to 61.7 lbs/bu. Grain protein was very high probably due to the low yields and averaged 15.9% with a range of 14.2 to 16.9%. The average plant height was 23 inches with no lodging.