

2012 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)	2012			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
WA 8166				31	59.2	16.6	25
<i>WB Hartline</i>				31	58.4	16.5	26
<i>WA 8163</i>				31	58.6	16.2	29
Jefferson	27	31	26	30	58.8	15.7	25
WA 8165				30	60.3	16.9	30
WA 8167				29	57.8	16.7	28
Glee (WA 8074)		30	25	29	60.4	16.0	27
Hollis	27	30	27	28	59.5	16.3	30
Bullseye	26	29	24	28	60.5	16.1	24
<i>Otis</i>		29	26	28	59.4	15.0	30
Kelse	26	29	26	28	59.4	17.1	30
Lassik		30	24	28	59.5	15.7	25
LCS-ALbany				28	56.6	15.8	27
SY605 CL				28	60.4	17.2	28
<i>BR7030</i>		31	27	27	59.6	15.8	28
WA 8164				27	59.9	16.6	27
WB-Fuzion	24	27	23	27	59.6	17.1	27
<i>WA 8123</i>		29	25	27	59.6	16.0	27
LCS-Buck Pronto	24	27	23	26	58.9	16.7	26
Scarlet	29	32	26	26	57.3	16.3	28
<i>Clear White 515</i>			21	26	58.8	16.7	25
<i>WA 8168</i>				26	58.2	16.6	28
LCS- Powerplay			24	26	59.5	16.0	27
Espresso				26	58.6	17.3	26
Hank	24	26	24	24	57.1	15.8	25
<i>Patwin 515</i>			22	24	57.4	17.0	21
V272				24	54.9	15.9	24
<i>IDO694</i>				24	60.6	15.6	23
Tara 2002	22	24	22	23	58.1	16.7	26
Jedd	19			23	59.0	15.4	23
C.V. %	7	7	7	6	0.6	1.4	4
LSD (.10)	1	1	1	2	0.4	0.2	1
Average	25	29	24	27	58.9	16.3	27
Highest	29	32	27	31	60.6	17.3	30
Lowest	19	24	21	23	54.9	15.0	21

Connell Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Connell hard spring wheat trial averaged 27 bushels/acre, 2 bushel/acre higher 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 2 April, 2012 following fallow. Seed was placed at a 60#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 70#N/acre and soil test analysis showed ample N available to meet the hard protein target at projected yield levels. Spring seeding and establishment conditions were good.
3. Yields ranged from 23 bu/acre to 31 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 30 entries are in this group. The hard white variety 'WB Hartline' was the highest yielding in 2012 and 'Scarlet' were the highest yielding over 5 years at this location. Fungicide was applied 5 May at herbicide timing for stripe rust prevention.
4. Test weights averaged 58.9 lbs./bu and ranged from 54.9 to 60.6 lbs./bu. Grain protein averaged 16.3% with a range of 15.0 to 17.3%. The average plant height was 27 inches with no lodging.