

2011 WSU Variety Testing Hard Spring Wheat Trial, Connell

Variety Name <small>*Hard White Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
BR7030			33	27	62.4	13.8	25	158
Scarlet	28	33	34	27	59.7	15.6	27	158
Hollis	26	29	31	25	61.5	15.7	30	158
Kelse	24	27	30	24	61.9	16.1	29	158
IDO702				24	60.8	15.2	24	160
Otis		30	29	23	61.7	13.6	27	159
Hank	23	26	26	23	60.8	14.8	25	158
WA 8123			31	23	61.9	14.3	25	158
10Fx Inc.1				23	61.7	15.0	25	158
Jefferson	26	29	31	22	61.1	14.8	24	157
WA 8148				22	61.3	14.8	25	157
Macon		27	28	21	60.9	13.5	25	157
Tara 2002	22	24	25	21	60.4	15.9	26	155
Westbred 926	22	25	28	21	61.3	16.0	24	157
WA 8074		28	31	21	61.9	15.3	25	157
WA 8133				21	62.2	14.3	24	159
Cerere				21	59.6	14.3	22	162
Bullseye		28	29	20	63.0	15.4	21	159
Lassik		30	31	20	61.8	14.6	22	159
Patwin 515				20	59.8	14.7	20	159
Buck Pronto	22	26	27	19	61.3	16.5	23	155
WB-Fuzion			28	19	61.5	16.2	24	156
UI Winchester		27	28	17	62.1	15.7	24	156
Clear White 515				17	59.4	15.2	23	156
C.V.	12	10	8	8	0.6	2.0	6	0
LSD	1	2	2	2	0.4	0.3	2	1
Average	24	28	29	22	61.3	15.1	25	158
Highest	28	33	34	27	63.0	16.5	30	162
Lowest	22	24	25	17	59.4	13.5	20	155

Connell Hard Spring Wheat – Preliminary Data

1. Grain yield in the Connell hard spring wheat trial averaged 22 bushels/acre, 2 bushel/acre less than the 5-year average. The Connell nursery was located about six miles east of Connell, WA (D. Bauermeister farm).
2. This nursery was seeded on 18 March, 2011 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 58#N and soil test analysis showed ample N available to meet the hard protein target at projected yield levels. Spring seeding and establishment were good, but plants did not grow or tiller well.
3. Yields ranged from 17 bu/ac to 27 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 24 entries are in this group. Scarlet was the highest yielding named variety for 2011 and also highest yielding over 5 years at this location Stripe rust was not a factor in this trial and a fungicide was applied 1June. The Lattice design was 163% efficient compared to an RCBD for yield.
4. Test weights were good with an average of 61.3 lb/bu and ranged from 59.4 to 63.0 lb/bu. Grain protein averaged 15.1% with a range of 13.5 to 16.5%. The average plant height was 25 inches with no lodging.