

2012 WSU Variety Testing Hard Spring Wheat Trial, Bickleton

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	HEAD DATE
Bullseye	29	30	33	44	62.7	12.4	26	175
WA 8164				41	60.3	12.9	29	177
Tara 2002	29	31	32	40	59.3	13.6	31	176
Scarlet	27	26	28	39	57.8	13.7	30	179
WA 8165				39	61.2	14.0	34	179
Lassik		28	32	39	59.4	12.5	26	180
WA 8166				39	60.0	12.9	29	180
WB-Fuzion	31	30	28	39	59.5	12.7	32	175
<i>WB Hartline</i>				38	57.1	13.5	29	178
WA 8167				38	57.2	14.3	31	179
Espresso				38	58.6	14.6	28	178
Glee (WA 8074)		29	29	38	58.9	13.7	30	176
<i>BR7030</i>		26	27	38	60.0	13.5	30	178
<i>Otis</i>		25	30	38	59.9	12.9	31	181
<i>IDO694</i>				37	60.5	13.4	26	174
Hollis	28	28	31	37	59.3	13.8	36	177
LCS-Powerplay			28	37	58.1	14.1	31	177
<i>WA 8168</i>				37	59.8	13.9	29	179
SY605 CL				37	59.8	14.5	32	175
Jefferson	26	26	28	36	58.9	14.9	29	177
LCS-ALbany				36	59.3	12.9	29	183
LCS-Buck Pronto	26	28	29	36	58.2	13.8	29	176
Jedd	29			36	60.4	12.6	25	177
<i>Clear White 515</i>			28	35	58.7	12.8	27	176
<i>WA 8163</i>				35	60.3	12.7	30	181
<i>Patwin 515</i>			28	35	58.0	13.4	23	177
<i>Dayn (WA 8123)</i>		25	28	35	59.6	13.7	30	178
V272				34	59.3	14.2	23	183
Kelse	26	26	27	34	59.0	14.2	32	178
Hank	28	27	26	33	57.0	13.9	28	177
C.V. %	12	13	14	9	1.6	7.8	5	1
LSD (.10)	2	2	3	3	1.0	1.1	2	1
Average	28	28	29	37	59.3	13.5	29	178
Highest	31	31	33	44	62.7	14.9	36	183
Lowest	26	25	26	33	57.0	12.4	23	174

Bickleton Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Bickleton hard spring wheat trial averaged 37 bushels/acre, 9 bushel/acre higher than the 5-year average. The Bickleton nursery was located about two miles east of Bickleton, WA (S. Matsen, cooperator).

2. This nursery was seeded on 13 April, 2012 following spring wheat. Seed was placed at a 60#/acre seeding rate using a no-till plot drill equipped with hoe openers set on 12-inch spacing. A phosphorus-sulfur starter fertilizer was applied through the drill and a soil test showed 223#N/acre available. Available N should be adequate for expected yield and protein for hard spring wheat and no supplemental fertilizer was applied. Spring seeding conditions were good.

3. Yields ranged from 44 bu/acre to 33 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 30 entries are in this group. 'Bullseye' was the highest yielding entry in this trial. 'WB-Fuzion' was the highest yielding over 5 years of results at this site. No fungicide was applied nor stripe rust observed in this trial.

4. Test weights averaged 59.3 lbs/bu and ranged from 57.0 to 62.7 lbs/bu. Grain protein averaged 13.5% with a range of 12.4 to 14.9%. The average plant height was 29 inches with no lodging.