

2013 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)	2013			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
IDO862T				39	58.0	14.5	28
Bullseye	30	35	41	38	60.3	13.2	24
Glee (WA 8074)	30	32	38	38	59.2	14.4	27
Hollis	29	33	37	37	58.9	14.6	33
Glee-G2				37	59.5	13.9	27
<i>CO1565W</i>				37	58.1	14.1	29
IDO862E				37	59.0	13.8	27
LNR10-0551				36	59.8	14.1	26
<i>WB Harline</i>			37	36	57.3	13.6	26
<i>BR7030</i>		30	37	36	59.4	13.5	28
Scarlet	27	31	37	36	57.0	14.1	28
<i>AUBR31059W (Roydon)</i>				35	60.5	13.9	28
<i>08SB0658-B</i>				35	56.5	14.3	24
Tara 2002	30	33	37	35	59.3	14.3	29
Glee-0W				35	60.0	13.7	27
WA 8165			37	34	60.6	13.9	30
11SB0096				34	56.8	13.5	25
<i>Patwin 515</i>		30	35	34	56.2	14.7	22
<i>Otis</i>	27	31	36	34	59.8	12.9	32
LCS-Buck Pronto	27	31	35	34	58.6	14.2	28
Kelse	27	29	34	34	59.5	14.3	30
SY605 CL			35	34	58.6	14.6	27
Jefferson	26	29	35	33	58.6	14.6	28
<i>CHBR1481W (Rexon)</i>				32	59.0	13.2	27
WA 8164			37	32	59.5	13.8	28
<i>IDO694C</i>				32	59.5	13.9	25
<i>Dayn (WA 8123)</i>		29	33	32	58.0	13.9	26
<i>WA 8192</i>				32	58.4	13.3	27
UI-Winchester				30	59.2	13.8	24
WA 8166			34	30	59.7	14.2	25
<i>IDO1202S</i>				30	57.7	13.9	29
WA 8191				29	58.4	12.5	27
Lassik	26	31	34	29	59.5	13.7	23
<i>WA 8163</i>			32	29	58.7	14.2	28
WB9879CLP				28	57.6	14.3	25
WA 8190				22	56.7	14.1	27
C.V. %	12	13	9	10	1.3	4.5	5
LSD (.10)	2	2	2	4	0.8	0.7	1
Average	28	31	36	33	58.7	13.9	27
Highest	30	35	41	39	60.6	14.7	33
Lowest	25	26	32	22	56.2	12.5	22

Bickleton Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Bickleton hard spring wheat trial averaged 33 bushels/acre, 5 bushels/acre higher than the 5-year average. The Bickleton nursery was located about 3 miles east of Bickleton, WA (S. Matsen, cooperator).
2. This nursery was seeded on 22 April, 2013 following winter wheat. Seed was placed at a 60#/acre seeding rate using a no till plot drill equipped with Cross-Slot openers. Base fertilizer was 15#N/acre applied at planting and a spring soil test analysis showed 107#N/acre. No additional fertilizer was applied to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 22 bu/acre to 39 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 15 of the 36 entries are in this group. 'Bullseye' was the highest yielding entry in the trial and along with 'Glee' and 'Tara 2002' were highest yielding over 5-years at this location. Fungicide was applied early and stripe rust was not a factor.
4. Test weights averaged 58.7 lbs/bu with a range from 56.2 to 60.6 lbs/bu. Grain protein averaged 13.9% with a range of 12.5 to 14.7%. The average plant height was 27 inches with no lodging.