

2011 WSU Variety Testing Hard Spring Wheat Trial, Bickleton

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
Hollis	--	24	24	25	61.6	14.4	26
Tara 2002	--	25	27	25	60.9	13.7	25
Lassik	--	21	22	25	61.5	13.0	23
Cerere	--			25	59.7	13.4	24
WA 8148	--			24	60.8	14.5	22
Buck Pronto	--	22	23	23	60.7	14.5	22
Macon	--	22	23	22	59.1	12.9	24
Otis	--	22	19	22	61.9	12.2	26
Westbred 926	--	25	28	22	60.8	15.3	22
Clear White 515	--			22	58.9	12.9	21
Bullseye	--	23	23	21	62.7	13.0	21
UI Winchester	--	23	23	21	60.3	13.0	21
WA 8074	--	24	25	21	61.6	13.4	24
WA 8133	--			21	61.3	13.0	27
Kelse	--	22	22	20	61.4	14.4	24
WA 8123	--		21	20	60.3	12.8	25
Patwin 515	--			20	57.7	13.2	21
Jefferson	--	21	21	19	60.6	13.8	23
10Fx Inc.1	--			19	60.8	14.2	20
Hank	--	24	24	18	60.2	13.9	22
BR7030	--		20	17	61.4	13.3	24
Scarlet	--	21	20	17	59.8	13.2	23
WB-Fuzion	--		25	17	60.3	14.0	23
IDO702	--			16	59.5	13.9	19
C.V.	--	22	22	26	1.5	4.4	13
LSD	--	2	3	N.S. ¹	1.0	0.6	3
Average	--	23	23	21	60.6	13.6	23
Highest	--	25	28	25	62.7	15.3	27
Lowest	--	21	19	16	57.7	12.2	19

¹-No Significant Difference

Bickleton Hard Spring Wheat – Preliminary Data

1. Grain yield in the Bickleton hard spring wheat trial averaged 21 bushels/acre, 2 bushels/acre less than the 3-year average. The Bickleton nursery was located about four miles east of Bickleton, WA (Steve Matsen, cooperator).
2. This nursery was seeded on 12 May, 2011 following spring wheat. Seed was placed at a 60#/acre seeding rate using a no-till plot drill set on 10-inch spacing. Base fertilizer was applied at 30 #N/acre at planting. A soil test before planting showed 300#N/acre available and no additional N was applied based on yield projections. Seeding was late and emergence was slow due to cool temperatures.
3. Yields ranged from 16 bu/acre to 25 bu/acre. Due to low yields and high variability at this site, yield was not significantly different among entries. Westbred 926 and Tara 2002 were highest yielding across 3 years at this location. Stripe rust was a minor factor in this trial and no fungicide was applied.
4. Test weights were good with an average of 60.6 lb/bu and ranged from 57.7 to 62.7 lb/bu. Grain protein averaged 13.6% with a range of 12.2 to 15.3%. The average plant height was 23 inches with no lodging.