

2013 WSU Variety Testing Hard Spring Wheat Trial, Endicott

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	HEAD DATE
<i>IDO1202S</i>				60	61.3	14.6	38	165
<i>WA 8192</i>				60	61.2	13.8	35	165
<i>WB Hartline</i>			62	54	58.9	14.7	33	165
<i>BR7030</i>		58	60	54	60.6	14.6	33	165
<i>WA 8163</i>			61	53	60.8	14.8	35	165
<i>COI565W</i>				53	59.3	14.7	37	165
Glee (WA 8074)	59	57	59	53	61.0	15.5	35	164
Glee-0W				53	60.7	15.3	34	164
<i>08SB0658-B</i>				52	61.1	14.4	29	165
<i>Otis</i>	60	53	58	51	61.1	13.7	37	166
<i>Dayn (WA 8123)</i>		57	59	51	60.7	14.3	32	165
Glee-G2				49	60.9	15.7	33	164
Lassik	60	55	56	49	60.8	14.8	28	165
WB9879CLP				48	59.3	16.3	33	166
SY605 CL			52	48	61.2	16.2	34	164
<i>Patwin 515</i>		51	53	48	58.7	15.8	23	165
WA 8165			54	48	60.7	15.6	40	165
WA 8166			55	47	60.2	15.1	35	165
Kelse	55	52	53	47	60.4	15.4	35	165
Bullseye	53	52	55	47	61.7	16.8	29	164
LCS-Buck Pronto	52	50	53	46	60.5	15.3	32	165
11SB0096				46	58.8	14.9	31	165
<i>CHBR1481W (Rexon)</i>				46	60.7	15.1	35	163
UI-Winchester				46	60.7	15.2	32	165
LNR10-0551				46	61.1	15.3	31	166
Tara 2002	53	50	53	46	59.8	15.8	35	164
IDO862T				45	61.1	16.0	31	165
Scarlet	61	55	57	45	58.9	15.5	35	166
Jefferson	55	53	55	44	60.8	15.6	33	165
Hollis	56	52	54	44	58.8	16.2	43	165
<i>AUBR31059W (Roydon)</i>				44	60.9	15.9	32	162
WA 8191				43	59.8	14.4	35	165
WA 8190				43	58.3	15.5	34	166
IDO862E				42	61.0	15.8	32	164
WA 8164			50	41	60.5	16.0	32	164
<i>IDO694C</i>				39	61.0	15.2	29	163
C.V. %	7	7	8	10	0.8	2.9	6	0
LSD (.10)	2	2	3	5	0.5	0.5	2	1
Average	56	53	56	48	60.4	15.3	33	165
Highest	61	58	62	60	61.7	16.8	43	166
Lowest	52	47	50	39	58.3	13.7	23	162

Endicott Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Endicott hard spring wheat trial averaged 48 bushels/acre, 8 bushels/acre lower than the 5-year average. The Endicott nursery was located about 5 miles east of Endicott, WA (M. Richter, cooperator).
2. This nursery was seeded on 4 April, 2013 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill equipped with hoe openers. Base fertilizer was 70#N/acre applied at planting and a spring soil test analysis showed 289 #N/acre. No additional fertilizer was applied to the hard trial to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 39 bu/acre to 60 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 36 entries are in this group. The hard white 'WB Hartline' was the highest yielding entry in the trial and 'Scarlet' was highest yielding over 5-years at this location. Fungicide was applied early and stripe rust was not a factor.
4. Test weights averaged 60.4 lbs/bu with a range from 58.3 to 61.7 lbs/bu. Grain protein averaged 15.3% with a range of 13.7 to 16.8%. The average plant height was 33 inches with no lodging.