

2012 WSU Variety Testing Hard Spring Wheat Trial, Horse Heaven

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
Hollis	27	32	27	19	60.5	16.5	27
WA 8167				18	59.6	16.5	24
Bullseye	27	32	25	18	61.9	16.3	21
<i>WA 8163</i>				17	59.6	16.5	25
WA 8166				17	60.6	16.0	24
<i>Otis</i>		29	21	17	60.2	15.4	26
Jefferson	26	31	24	17	60.1	16.2	23
WA 8165				16	61.0	16.5	25
WB-Fuzion	28	30	23	16	60.1	17.6	23
Scarlet	29	33	27	15	59.5	16.5	24
V272				15	60.7	15.9	21
<i>IDO694</i>				15	61.2	15.9	23
Glee (WA 8074)		30	25	15	61.5	16.2	21
SY605 CL				15	61.5	17.4	23
Lassik		32	26	15	61.2	15.7	23
<i>WB Hartline</i>				14	59.0	16.3	23
Hank	24	28	22	14	60.0	16.2	24
<i>BR7030</i>		30	25	14	61.3	15.9	25
LCS-Buck Pronto	24	29	25	14	61.1	16.8	23
WA 8164				14	60.7	16.8	24
<i>Clear White 515</i>			22	14	58.0	16.7	23
<i>Patwin 515</i>			24	13	58.0	16.8	18
LCS-ALbany				13	59.2	16.2	22
<i>WA 8168</i>				13	60.3	16.7	24
LCS- Powerplay			20	13	60.4	16.9	23
Tara 2002	24	27	23	13	58.9	16.9	23
Espresso				13	59.4	17.6	21
Kelse	25	29	24	12	60.3	17.4	27
Jedd	16			12	60.6	16.4	21
<i>WA 8123</i>		31	25	12	60.0	16.1	23
C.V. %	10	9	11	15	1.0	1.8	5
LSD (.10)	1	2	2	2	0.7	0.3	1
Average	25	30	24	15	60.2	16.5	23
Highest	29	33	27	19	61.9	17.6	27
Lowest	16	27	20	12	58.0	15.4	18

Horse Heaven Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Horse Heaven hard spring wheat trial averaged 15 bushels/acre, 10 bushel/acre lower than the 5-year average. The Horse Heaven nursery was located about ten miles southwest of Prosser, WA (J. Moon, cooperator).
2. This nursery was seeded on 23 March, 2012 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 50#N/acre and soil test analysis showed ample N available to meet the hard protein target at projected yield levels. Spring seeding conditions were variable and establishment was not uniform.
3. Yields ranged from 12 bu/acre to 19 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 30 entries are in this group. 'Hollis' was the highest yielding in 2012 and 'Scarlet' were the highest yielding over 5 years at this location. Fungicide was applied at herbicide timing for stripe rust prevention.
4. Test weights averaged 60.2 lbs./bu and ranged from 58.0 to 61.9 lbs./bu. Grain protein averaged 16.5% with a range of 15.4 to 17.6%. The average plant height was 23 inches with no lodging.