

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT ENDICOTT, WA.

Variety Name *HDVWH Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>WA008100</i>	--			77	62.9	12.5	32	168
<i>BZ903-445WP</i>	--			77	61.0	15.2	30	165
<i>OTIS</i>	--			76	62.5	14.2	34	167
SCARLET	--	62	67	73	61.1	15.6	33	166
<i>WA008079</i>	--			70	62.0	13.2	34	166
<i>WA008101</i>	--			66	62.0	14.0	33	164
HOLLIS	--	55	60	65	61.8	16.1	37	165
HANK	--	56	60	65	62.0	15.9	29	164
KELSE	--	57	62	64	61.1	16.9	31	165
LASSIK	--			63	61.7	15.0	26	167
<i>MACON</i>	--			62	61.9	13.5	30	163
JEFFERSON	--	57	61	62	62.1	15.8	29	165
UI WINCHESTER	--		59	62	62.1	15.9	30	164
JEDD	--	53	56	61	63.0	15.2	25	164
VOLT	--	52	55	61	62.2	15.5	27	167
<i>WA008078</i>	--			61	61.7	15.3	31	166
WA008074	--			61	61.9	15.9	30	165
OR4990114	--			60	61.9	15.1	27	165
TARA 2002	--	55	59	59	61.2	16.8	31	163
WA008027	--	53	56	59	61.4	17.4	33	165
BULLSEYE	--		54	59	62.7	14.8	26	166
<i>RSI10348W</i>	--			56	61.9	14.9	26	164
NPBHR70	--		50	55	61.1	16.3	27	165
WA008075	--			55	62.2	16.7	29	164
WA008072	--			55	61.8	15.7	29	164
BUCK PRONTO	--	48	50	54	60.8	17.1	28	164
<i>CLEAR WHITE</i>	--			54	61.8	14.1	26	163
WESTBRED 926	--	50	51	53	61.1	16.9	28	163
WA008076	--			51	62.0	16.0	35	163
BLANCA GRANDE	--			43	61.9	15.7	26	163
C.V. %	--	7	8	7	0.4	1.6	3	1
LSD '@ .10'	--	3	4	6	0.4	0.3	1	1
Average	--	54	57	61	61.8	15.4	30	165
Highest	--	62	67	77	63.0	17.4	37	168
Lowest	--	48	50	43	60.8	12.5	25	163

1. Grain yield in the Endicott hard spring wheat trial averaged 61 bu/ac, about 13% higher than the average 3-year yield for this location. The Endicott nursery was located about 10 miles west of Colfax, WA (Mark Richter, cooperater).
2. This nursery was seeded on 7 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till, Cross-slot plot drill set on 10-inch spacing. Base fertilizer was applied as 85#N, 16#P, and 16#S per acre, and a spring soil test showed more than adequate available nutrients, thus no additional fertilizer was added for the hard trial. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 120% compared to an RCBD design.
3. Yields ranged from 43 bu/ac to 77 bu/ac, with a CV of 7%. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 30 entries are in this group. Hard white entries are listed in italicized print and five of the top six yielding cultivars are hard white cultivars.
4. Test weights were good with an average of 61.8 lb/bu. Grain protein averaged 15.4% with a range of 12.5% to 17.4% and is due to high available N at this site. The average plant height was 30 inches.