

2007 WSU EXTENSION SPRING BARLEY NURSERY AT WALLA WALLA, WA.

Variety Name *6-Row Italized	5 YEAR AVERAGE (LBS/A)	3 YEAR AVERAGE (LBS/A)	2 YEAR AVERAGE (LBS/A)	2007			
				YIELD (LBS/A)	TEST WT. (LBS/BU)	PLANT HT	HEAD DATE
CHAMPION	--	--	--	3930.4	52.6	29.0	159.3
BARONESSE	--	--	--	3802.9	51.1	25.7	160.7
BOB	--	--	--	3750.2	51.1	27.0	161.0
HE-8805	--	--	--	3535.8	50.5	24.7	164.5
02WA-7028.9	--	--	--	3467.8	50.6	27.7	161.3
RADIANT	--	--	--	3444.9	51.0	25.7	162.2
SPAULDING	--	--	--	3430.7	51.3	26.3	159.8
04WNZ-286	--	--	--	3414.9	51.4	25.7	162.3
02WNZ-1015	--	--	--	3400.8	49.8	24.3	163.3
02WNZ-1095	--	--	--	3380.5	50.6	25.0	162.7
BOULDER	--	--	--	3347.0	51.9	28.0	161.0
BURTON	--	--	--	3294.4	50.2	27.0	162.2
HAXBY	--	--	--	3245.1	53.1	25.3	161.2
<i>MOREX</i>	--	--	--	3158.2	49.8	30.0	158.8
02WNZ-1821	--	--	--	3144.6	49.3	26.3	161.3
02WA-7018.13	--	--	--	3115.4	51.1	26.3	160.7
FARMINGTON	--	--	--	3095.1	49.1	25.0	165.0
<i>01NZ384</i>	--	--	--	3087.0	48.2	27.7	161.8
<i>LEGACY</i>	--	--	--	3062.7	49.7	30.7	158.8
04WNZ-90	--	--	--	3047.5	50.5	27.0	162.3
02WNZ-1990	--	--	--	3008.9	50.5	25.0	163.5
<i>01NZ392</i>	--	--	--	2981.8	48.0	27.7	162.7
03WNZ-045	--	--	--	2970.1	50.4	26.3	163.5
<i>01NZ706</i>	--	--	--	2931.2	46.4	28.0	163.2
02WA-7052.9	--	--	--	2779.5	49.0	24.3	164.2
HARRINGTON	--	--	--	2725.5	49.5	25.7	161.5
AC METCALFE	--	--	--	2666.2	50.1	28.0	162.2
02WNZ-1100	--	--	--	2663.2	50.3	24.7	162.7
<i>03WA-192.4</i>	--	--	--	2545.8	46.9	28.3	162.8
04WNZ-55	--	--	--	2523.5	49.0	26.3	162.5
01NZ111	--	--	--	2274.9	50.7	25.3	165.5
03NZ199	--	--	--	2183.3	46.9	23.3	165.3
02WA-7037.25	--	--	--	1980.3	55.5	25.7	162.3
01WA-13860.5	--	--	--	1964.0	56.0	26.7	161.5
WA 9820-98	--	--	--	1890.0	56.1	24.7	166.2
MERESSE	--	--	--	1494.6	57.2	25.7	161.0
C.V. %	--	--	--	8.7	1.2	--	--
LSD '@ .10'	--	--	--	353.2	0.8	--	--
Average	--	--	--	2965.0	50.7	26.4	162.2
Highest	--	--	--	3930.4	57.2	30.7	166.2
Lowest	--	--	--	1494.6	46.4	23.3	158.8

WALLA WALLA SPRING BARLEY – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring barley **yield data** from the WSU Variety Testing nursery at the Walla Walla, WA location averaged 2965 lbs/ac. This is about 7.5% below historical 3-yr average yields for this location. *NOTE: The Walla Walla nursery was located 2-miles west of Prescott, WA (off the Cemetery Rd (A. Ford farm)).*
2. This nursery was planted (20 March 2007) on re-crop ground following winter wheat with a no-till plot drill (cross slot openers on 10-inch spacing) at an 80#/acre seeding rate. Starter fertilizer, 20#N, 4#P, 4#S, was applied at seeding. A 7 March 2007 soil test showed 119#N, 25#P, 11#S availability in the top 4-feet.
3. Little to **no disease pressure** was apparent in the 2007 nursery.
4. **TEST WEIGHT** average values were good at 50.7 lbs/bu, with a range among feed barley-types of 48.0 (01NZ392) to 53.1 lbs/bu (Haxby).
5. **Four hull-less, waxy barleys** were included in the trial (02WA-7037.25, 01WA-13860.5, WA 9820-98 (WSU) and MERESSE (Westbred, LLC) that had exceedingly high test weight values due to the kernel characteristic with no 'hull'. Test weight values for these varieties had a range of 55.5 to 57.2. Waxy barley is a type of specialty barley that has several quality traits that make it adaptable to many end uses. Most notably, waxy barley has a modified starch profile and increased levels of beta-glucans. Varieties with waxy starch are ideal for many food and industrial applications. **Limitations of Waxy barley:** Generally waxy barley varieties have reduced yield between 20 and 30% compared to normal feed barley varieties. This yield reduction is in part due to the fact that most waxy barley varieties are also hull-less thus reducing their production per acre on a weight basis.