

2006 WSU EXTENSION SPRING BARLEY NURSERY AT MAYVIEW, WA.

Variety Name	5 YEAR AVERAGE (LBS/A)	3 YEAR AVERAGE (LBS/A)	2 YEAR AVERAGE (LBS/A)	2006			
				YIELD (LBS/A)	TEST WT. (LBS/BU)	PLANT HT	HEAD DATE
02WA-7018.13				3824.0	51.0	24.7	178.0
YU-501-385D				3595.5	51.9	26.0	177.5
03NZ885				3547.5	48.7	22.7	179.0
02WA-7047.24				3452.5	49.6	25.3	180.0
RADIANT	3570.7	3683.3	3147.0	3432.5	50.0	24.7	180.0
BOB	3419.8	3289.8	2933.0	3416.0	50.4	25.7	177.5
WA 7330-00		3313.3	3010.0	3377.5	49.8	24.7	179.0
02WZN-1015			2986.5	3310.5	49.6	23.3	179.0
BARONESSE	3692.8	3587.3	3034.5	3278.5	49.8	24.3	179.0
BOULDER		3419.7	2912.5	3260.0	52.0	25.7	177.0
02WZN-1100			2946.5	3203.5	50.0	24.3	178.5
02WA-7052.9				3177.0	49.1	22.0	179.0
BURTON			2903.8	3171.5	49.3	23.7	179.5
03NZ199				3150.5	48.2	22.0	181.5
HE-8805				3102.5	48.5	22.0	180.0
03WZN-249				3096.0	49.5	23.3	179.5
SPAULDING			2830.3	3061.0	51.1	25.3	177.5
WA 10701-99		3039.2	2762.8	3056.0	50.1	26.0	178.5
02WA-7029.7				3053.5	49.0	24.3	179.5
01NZ111		3440.0	2835.3	2998.5	51.2	22.7	181.0
WA 15279-00		3257.0	2806.3	2940.0	48.8	23.3	179.0
02WA-7028.9				2936.0	50.6	26.7	177.0
03WZN-164				2925.0	50.2	24.7	179.0
02WZN-1095			2946.5	2880.5	49.4	25.0	178.5
03GNZ-716				2866.5	48.7	24.7	180.5
03WZN-262				2855.0	48.7	22.3	179.0
01NZ384			2611.3	2822.5	46.7	26.0	178.0
LEGACY	2928.5	2828.3	2533.8	2819.0	47.8	29.3	176.0
WA 9820-98				2812.5	58.2	22.7	180.0
HARRINGTON	3267.2	3052.0	2741.8	2793.0	49.2	24.0	179.0
01NZ338		2694.8	2303.5	2730.0	46.1	24.3	179.5
01NZ392		2866.3	2576.3	2729.0	46.3	25.3	178.0
03GNZ-722				2700.5	48.2	25.7	180.5
FARMINGTON	3471.3	3217.5	2660.0	2648.5	48.1	21.7	179.5
03GNZ-834				2647.0	48.2	24.0	179.5
AC METCALFE		2850.8	2480.8	2556.5	49.6	25.7	178.0
MERESSE				2522.5	59.9	22.7	176.5
MOREX	2433.1	2281.5	2085.5	2517.5	48.8	31.0	174.0
YU-501-385N				2496.5	48.9	23.3	178.5
01NZ706		2705.2	2293.5	2325.0	46.5	23.3	178.5
C.V. %	8.6	9.2	10.9	11.3	1.0	--	--
LSD '@ .10'	162.3	217.7	294.3	459.8	0.7	--	--
Average	3254.8	3095.4	2742.8	3002.2	49.7	24.5	178.7
Highest	3692.8	3683.3	3147.0	3824.0	59.9	31.0	181.5
Lowest	2433.1	2281.5	2085.5	2325.0	46.1	21.7	174.0

MAYVIEW SPRING BARLEY – 2006 WSU VARIETY TESTING DATA

1. 2006 Spring Barley **yield data** from the WSU Variety Testing nursery at the Mayview location averaged 3002 lbs/ac that were **about 3% lower** than the 3-year average yield (3095 lbs/ac). *NOTE: The Mayview nursery was located in Garfield County approximately 25 miles northeast of Pomeroy, WA on the Tramway Rd. This nursery overlooks and is on what is called the 'breaks' of the Snake River, approximately 10 miles SE of Lower Granite Dam. The nursery is in a 16"-20" rainfall region. (Roger & Randy Koller farm).*
2. This nursery was **recrop seeded on** 27 April 2006 into winter wheat stubble with soil moisture within an inch of the surface. Throughout the growing season this was a nice, even stand.
3. **YIELD RANKINGS** among varieties within market classes bounced around a little when comparing with 3-yr and 5-yr historical yield rank patterns. This is another one of the nurseries that performed near average even with the up-and-down weather patterns thrown at it during the growing season.
4. **TEST WEIGHT** average values were good at 49.7 lbs/bu; with a range among feed barley-types of 46.1 (01NZ338) to 52.0 lbs/bu (Boulder).
5. **Two hull-less, waxy barleys** were included in the trial (WA9820-98 (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 were 58.2 lbs/bu and 59.9 lbs/bu, respectively. 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.