

## 2006 WSU EXTENSION SPRING BARLEY NURSERY AT MOSES LAKE, 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	LODGING (%)
01NZ111	--	--	5881.4	6470.8	55.9	--	--	3.3
02WZN-1100	--	--	5919.6	6437.2	56.5	--	--	18.0
YU-501-385D	--	--		6289.9	55.8	--	--	39.3
SPAULDING	--	--	5714.7	6256.6	56.5	--	--	26.7
03NZ199	--	--		6146.0	54.1	--	--	5.0
FARMINGTON	--	--	5955.4	6118.8	55.8	--	--	1.0
03GNZ-722	--	--		5687.3	54.0	--	--	38.0
HE-8805	--	--		5669.6	53.5	--	--	41.7
03WZN-262	--	--		5596.0	54.7	--	--	40.3
WA 9820-98	--	--		5523.6	60.6	--	--	33.3
02WZN-1015	--	--	5603.3	5466.5	54.6	--	--	59.7
02WA-7018.13	--	--		5440.0	55.5	--	--	29.3
01NZ392	--	--	4882.6	5338.0	52.5	--	--	37.3
01NZ384	--	--	5228.5	5337.4	51.0	--	--	65.0
02WZN-1095	--	--	5569.4	5337.2	54.2	--	--	75.0
02WA-7028.9	--	--		5313.4	55.1	--	--	58.3
03WZN-249	--	--		5190.4	55.6	--	--	23.3
RADIANT	--	--	5703.4	5057.2	56.0	--	--	47.7
BURTON	--	--	5389.2	5052.0	55.0	--	--	33.3
02WA-7052.9	--	--		5039.6	53.8	--	--	75.0
03WZN-164	--	--		4988.0	55.5	--	--	10.3
BOULDER	--	--	5139.8	4934.5	55.3	--	--	86.0
WA 15279-00	--	--	5547.4	4905.5	54.6	--	--	35.0
HARRINGTON	--	--	5054.0	4902.4	54.9	--	--	60.0
BOB	--	--	5491.2	4863.6	55.3	--	--	43.7
LEGACY	--	--	4780.0	4845.2	54.7	--	--	3.7
03GNZ-834	--	--		4764.0	54.1	--	--	63.3
01NZ706	--	--	4732.0	4628.4	51.3	--	--	33.3
WA 10701-99	--	--	4983.0	4494.8	53.3	--	--	63.3
BARONESSE	--	--	5259.2	4419.6	54.4	--	--	78.0
02WA-7047.24	--	--		4406.0	54.9	--	--	21.7
01NZ338	--	--	4501.6	4374.0	50.7	--	--	75.0
03GNZ-716	--	--		4371.6	53.7	--	--	80.0
02WA-7029.7	--	--		4368.0	54.4	--	--	76.7
03NZ885	--	--		4352.4	53.3	--	--	77.3
MERESSE	--	--		4293.2	60.6	--	--	22.7
WA 7330-00	--	--	5137.0	4075.2	53.9	--	--	73.3
AC METCALFE	--	--	4771.6	3957.9	53.7	--	--	90.7
YU-501-385N	--	--		3903.2	54.3	--	--	77.7
MOREX	--	--	3578.2	3373.6	52.5	--	--	19.7
C.V. %	--	--	15.0	18.9	2.0	--	--	64.2
LSD '@ .10'	--	--	739.4	1298.4	1.5	--	--	40.2
Average	--	--	5219.2	5049.7	54.7	--	--	46.1
Highest	--	--	5955.4	6470.8	60.6	--	--	90.7
Lowest	--	--	3578.2	3373.6	50.7	--	--	1.0

## **MOSES LAKE (irrigated) SPRING BARLEY – 2006 WSU VARIETY TESTING DATA**

1. 2006 Spring Barley **yield data** from the WSU Variety Testing nursery at the Moses Lake (irrigated) location averaged 5049 lbs/ac that were **about 3% lower** than the 2-year average yield (5219 lbs/ac). *NOTE: The Moses Lake nursery was approximately 8 miles west of Moses Lake on Rd 4NW (J. LaFave farm). This nursery was irrigated with solid sets.*
2. This nursery was **recrop seeded on** 31 March 2006 following a 2005 corn crop.
3. **YIELD RANKINGS** among varieties within market classes bounced around a little when comparing with 2-yr historical yield rank patterns. In fact the coefficient of variation (CV%) is high at 18.9% indicating yield factors other than varietal differences had a strong influence on the yield data. Lodging is considered to have had one of the strongest influences on yield performance in this nursery. There appears to be a trend to lower yields associated with higher levels of lodging. In many respects, lodging has been one of the major constraints to commercial irrigated spring barley production in Central Washington. This nursery provided 'vivid' evidence of this production constraint.
4. **TEST WEIGHT** average values were high at 54.7 lbs/bu; with a range among feed barley/malting-types of 50.7 (01NZ338) to 56.5 lbs/bu (02WZN-1100 and Spaulding). Over 25% of the varieties/lines in this nursery had a test weight value of 55 lbs/bu or higher.
5. The **two hull-less, waxy barleys** included in the trial (WA9820-98 (WSU) and MERESSE (Westbred, LLC) had exceedingly high test weight values due to the kernel characteristic with no 'hull'. Test weight values for these varieties were equal at 60.6 lbs/bu and 60.6 lbs/bu, respectively.