

2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT MAYVIEW, WA.

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
TUBBS	121.6	116.7	114.2	133.8	59.9	10.2	0	39.3	154.1
XERPHA		115.7	114.7	131.9	61.0	10.7	0	38.3	157.9
ROD	121.8	117.1	114.9	131.6	59.0	9.7	0	36.5	157.4
TUBBS 06			109.3	129.6	60.8	10.1	0	38.5	154.3
BU6W00-523			110.8	128.0	61.7	10.1	0	36.8	154.0
MASAMI	115.6	112.1	108.9	127.5	59.8	10.0	0	37.3	158.8
9364901A				126.4	61.5	9.9	0	37.8	156.8
RJAMES		113.4	108.5	126.2	59.9	9.5	0	34.8	157.9
BRUEHL	114.4	110.8	104.0	125.9	58.6	10.4	0	39.3	158.9
ORI2042037				125.8	60.3	10.7	0	36.8	158.3
ELTAN/TUBBS				125.6	60.2	9.9	0	39.3	155.0
MOHLER	113.4	109.4	103.0	125.1	61.5	10.1	0	37.8	153.4
ROD/TUBBS				124.6	59.8	9.8	0	38.0	155.0
WB 528	117.4	114.2	109.6	124.3	62.1	10.0	0	36.8	151.0
LAMBERT	105.3	101.8	101.3	124.2	61.0	10.2	0	39.8	152.8
FINCH	113.6	108.6	103.9	123.4	61.5	10.2	0	38.3	159.3
SALUTE				123.2	59.9	10.0	0	38.5	153.6
ORCF-101	110.9	109.7	105.7	122.5	60.8	10.8	0	36.3	153.5
ID990435			97.9	121.6	59.8	10.6	0	41.0	151.8
SIMON	109.7	107.5	104.1	121.3	60.5	10.8	0	38.3	154.4
ORCF-102		111.3	107.2	120.9	61.2	10.6	0	37.3	154.1
WA008020				120.8	59.6	11.2	0	36.3	160.1
WA008021				120.8	61.1	10.6	0	35.8	158.1
BRUNDAGE 96	100.5	94.7	88.6	120.5	60.3	10.6	0	36.0	153.7
WA008000			102.8	120.4	61.4	9.8	0	36.8	158.1
ARS970278-2				119.7	60.7	10.6	0	39.8	155.8
ELTAN	104.7	95.8	96.4	119.5	60.2	9.9	0	40.0	159.8
ID02-859				119.4	59.2	9.7	0	34.3	154.6
STEPHENS	109.7	103.7	100.7	119.1	60.6	10.1	0	36.0	151.1
CODA	110.1	105.6	102.8	118.9	62.7	9.9	0	39.0	157.3
MADSEN/ROD			106.6	118.8	60.6	10.1	0	35.5	157.3
ARS00235	107.0	102.5	96.9	118.7	61.9	10.4	0	39.8	158.5
BZ6WM02-1020			104.7	118.3	61.0	10.8	0	36.3	157.1
ELTAN/MADSEN				117.4	60.6	10.7	0	38.8	158.0
GEORGE		92.8	86.0	115.3	59.6	9.9	0	40.0	159.1
CASHUP	110.0	105.1	101.5	114.7	61.4	10.0	0	35.0	156.0
WA007934	102.4	95.1	93.7	114.4	60.3	10.8	0	38.0	160.0
CONCEPT		106.3	102.5	114.2	61.2	10.0	0	34.0	156.6
MADSEN	106.8	105.2	101.2	114.1	61.0	10.2	0	35.3	157.0
AP 700 CL				113.8	61.3	9.8	0	36.8	152.4
BU6W99-456			101.6	113.0	62.6	11.0	0	34.0	150.4
9222407A			96.2	112.8	61.6	10.2	0	39.3	158.0
MJ-9	113.0	106.5	100.8	112.1	58.6	9.6	0	34.5	156.5
MJ-4	110.4	104.7	103.6	111.8	59.6	10.3	0	35.3	157.8
ARSC96059-1		97.5	88.9	106.2	62.6	10.2	0	40.8	156.8
IDAHO 587	104.2	98.0	90.8	104.3	60.6	10.8	0	34.8	152.3
C.V. %	6.8	6.6	7.3	7.2	0.7	6.0	--	--	--
LSD '@ .10'	3.9	4.8	6.4	10.2	0.5	0.7	--	--	--
Average	110.6	106.0	102.4	120.5	60.7	10.3	0	37.4	156.0
Highest	121.8	117.1	114.9	133.8	62.7	11.2	0	41.0	160.1
Lowest	100.5	92.8	86.0	104.3	58.6	9.5	0	34.0	150.4

MAYVIEW (Garfield County) SOFT WHITE WINTER WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Soft White Winter Wheat YIELD DATA from the WSU Variety Testing nursery at the Mayview location averaged 120.5 bu/ac that is nearly equal to a previous historical 3-yr yield average at this location. *NOTE: The Mayview nursery was located on Tramway Rd about 25 miles northeast of Pomeroy, WA on the breaks of the Snake River, south of Lower Granite Dam about 12 miles. (Roger and Randy Koller farm).*
2. This nursery was seeded on 2 October 2006 on fallow ground using a plot drill with double disc (6-inch spacing) into good soil moisture that was 1-inch below the surface at a seeding rate of 85#/acre. The base fertilizer rate was 90#N and 15#S.
3. In general, the cold snap at the end of October 2006 and the 10-day cold-snap in mid-January (11-21 Jan 2007) had minimal winter injury impact. In fact, this nursery had good emergence and was fairly small going into the winter; however, the stand had good recovery based on March 2007 field evaluations.
4. Deer and Elk feeding on beardless club varieties were prevalent again this year. Historically this nursery has been 'vandalized' by deer and elk feeding since the nursery provides 4-beardless club varieties that the deer/elk seem to enjoy feeding on. They actually walk down the alleys in the nurseries without tromping through the wheat to find the beardless club varieties to feed on. In some cases over 50% of the heads in a 4'x12' plot were eaten off. As a result, data for Rely, Edwin, Chukar, and Cara soft white winter club wheat varieties are not included in the data set.
5. Average yield range was 104.3 bu/ac to 133.8 bu/ac. 2007 average yields were grouped very closely together for many entries and the yield ranking for individual varieties tracked closely with both the 3-yr and 5-yr average yield rankings. Compared to many other winter wheat nurseries, the growing conditions were more favorable at this location and winter wheat did not seem to suffer as much from below normal spring precipitation. The 2-week cool period during June 2007 appeared to be very favorable to winter wheat growth and development in this area.
6. Wheat quality in terms of test weight was also good at this location with an average test weight value of 60.7 lbs/bu that was about 2 lbs/bu higher than the previous year (2006) average. This is probably a function of early June 2007 heading dates followed by the 2-week period of cool weather in June that allowed this nursery to avoid damage from the late June heat and moisture stress during kernel fill.
7. Percent grain protein had a range of 9.5% to 11.2% with an average of 10.3%.