

# 2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT MOSES LAKE, WA. (IRRIGATED)

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
WB 528	156.3	154.4	156.7	149.0	59.9	12.7	0.0	34.8	144.4
BU6W00-523			149.0	149.0	59.6	12.9	0.0	34.5	148.5
STEPHENS	143.8	144.7	141.1	147.7	58.4	13.0	0.0	33.0	145.5
BU6W99-456			146.2	147.6	60.6	13.4	0.0	31.8	141.8
ELTAN/MADSEN				144.7	57.3	13.2	20.0	38.5	149.3
LAMBERT	149.3	154.4	146.5	144.6	58.2	12.9	0.0	34.8	146.6
TUBBS	152.0	147.0	151.3	144.0	56.7	12.6	0.0	38.0	148.1
BRUNDAGE 96	140.8	144.6	150.7	142.7	58.5	13.0	0.0	33.0	145.5
XERPHA		145.9	150.6	141.9	58.1	13.2	0.0	36.5	150.0
ORCF-102		152.1	146.0	140.5	59.5	13.1	0.0	37.3	145.9
TUBBS 06			144.4	140.5	56.7	12.8	0.0	38.5	149.3
ID02-859				140.5	57.4	12.7	0.0	32.8	148.1
ROD/TUBBS				139.2	56.5	13.1	0.0	36.5	148.9
WA007934	134.5	135.2	148.6	139.1	57.5	13.4	0.0	37.3	149.3
MOHLER	141.2	141.6	142.8	139.1	58.5	13.0	3.8	36.3	146.3
ELTAN/TUBBS				137.5	56.5	13.0	5.0	38.5	149.3
CONCEPT		136.3	137.4	137.3	58.2	12.6	0.0	34.0	149.6
9364901A				137.3	58.9	12.2	0.0	33.3	149.6
ORI2042037				135.5	58.8	12.9	12.5	36.0	149.3
ID990435			139.8	135.3	56.2	12.9	0.0	40.0	147.4
MADSEN	145.1	147.3	141.9	132.9	58.8	13.3	0.0	34.5	149.6
ELTAN	122.5	114.6	134.1	132.4	57.9	13.1	25.0	38.5	149.3
MASAMI	132.7	132.8	135.5	131.5	57.0	12.9	0.0	35.3	150.4
CARA		138.6	141.1	129.4	57.5	14.1	0.0	33.8	151.5
AP 700 CL				127.8	55.9	13.1	0.0	36.3	148.9
SALUTE				126.2	56.2	13.5	0.0	35.3	148.5
WA008000			133.5	125.6	59.1	13.2	0.0	37.0	150.8
MADSEN/ROD			136.5	125.6	57.8	13.6	0.0	34.0	149.3
CASHUP	138.9	136.1	126.1	124.1	57.8	12.8	0.0	32.8	150.4
ROD	139.3	134.3	136.2	123.0	56.0	13.1	0.0	35.3	150.4
SIMON	143.7	148.1	136.7	122.6	57.3	13.3	0.0	36.0	148.9
ARSC96059-1		131.3	136.6	122.2	59.7	13.8	0.0	39.8	151.9
BZ6WM02-1020			135.3	121.9	57.4	12.6	0.0	34.8	149.6
CHUKAR	140.6	136.2	133.8	120.4	58.5	14.5	0.0	36.8	151.1
WA008021				120.3	58.9	13.7	0.0	32.8	150.0
IDAHO 587	133.1	128.2	121.6	120.1	56.4	12.8	0.0	34.0	148.1
BRUEHL	134.7	131.7	134.6	120.0	56.5	13.9	0.0	34.8	151.5
EDWIN	116.5	112.2	128.3	119.5	60.5	14.3	0.0	39.5	150.4
GEORGE		113.2	123.8	119.5	55.8	13.6	0.0	38.0	150.4
9222407A			139.1	119.4	58.7	12.9	0.0	39.5	149.3
ORCF-101	132.7	132.1	119.1	117.8	56.5	13.6	0.0	34.8	149.3
RELY	129.3	128.1	131.2	117.3	58.7	13.9	7.5	37.0	150.8
CODA	128.1	123.4	130.2	117.2	58.9	14.3	38.8	37.3	151.5
ARS00235	130.6	126.6	132.0	115.4	57.8	14.2	20.0	38.3	152.6
MJ-9	137.4	128.4	124.2	112.7	54.4	13.0	0.0	34.0	150.0
RJAMES		130.3	125.1	111.9	52.8	13.0	12.5	32.0	149.6
FINCH	130.8	121.6	123.3	111.7	56.2	13.0	0.0	35.8	151.9
ARS970278-2				111.0	57.9	14.3	0.0	35.8	149.3
WA008020				103.4	54.6	13.3	0.0	33.5	151.1
MJ-4	131.9	125.9	114.7	94.8	52.7	13.7	0.0	32.0	152.3
C.V. %	10.4	10.9	9.1	9.0	2.2	4.2	--	--	--
LSD '@ .10'	7.4	9.9	10.2	13.5	1.5	0.6	--	--	--
Average	136.9	134.7	136.6	128.6	57.5	13.3	2.9	35.7	149.2
Highest	156.3	154.4	156.7	149.0	60.6	14.5	38.8	40.0	152.6
Lowest	116.5	112.2	114.7	94.8	52.7	12.2	0.0	31.8	141.8

## **MOSES LAKE 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 Moses Lake location averaged 128.6 bu/ac and were very similar to the previous 3-year historical average. Yield rankings among varieties appeared to 'track' with historical trends and some of the difference between years can be attributed to different nursery location sites over years. *NOTE: The Moses Lake nursery was located 12 miles west of Moses Lake on Road 3 NW under a center pivot irrigation system (John Lafave farm).*
2. This nursery was seeded 19 October 2006 following sugar beets. Seeding rate was 85# per acre with a base fertilizer rate of 100#N, 50#P, 50#K and 10#S per acre. An additional 100#N and 10#S was applied to the nursery in March 2007. The nursery had even emergence that resulted in a uniform stand. In general, the cold snaps at the end of October 2006 and the 10-day cold-snap in mid-January (11-21 Jan 2007) had minimal winter injury impact; however, the wheat was very small going into the spring. Timely irrigations during early spring allowed for good recovery of all varieties in the nursery.
3. **Yield differences** among seemed to track with historical trends. Varieties/lines with earlier growth habits (such as Stephens-types) tended to rank towards the top in this nursery which is fairly typical for this region. Irrigation management provided by the cooperator was very good and resulted in minimal lodging.
4. Average **Test Weight** values were low at 57.5 lb/bu that are probably associated with heat stress starting during the 3<sup>rd</sup> week of June 2007 that hit during kernel fill. Low test weights seem to be most pronounced in later maturing (note heading date) varieties.
5. **Percent grain protein** averaged 13.3% and appears to be linked to the low test weight values.