

2006 WSU SOFT WHITE WINTER WHEAT NURSERY AT MOSES LAKE, WA. (IRRIGATED)

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WB 528	--	152.8	157.1	164.4	60.8	12.2	0.0	34.8	139.3
WA007973	--		147.9	159.4	58.1	12.2	0.0	37.5	146.8
BRUNDAGE 96	--	133.4	145.6	158.7	58.6	12.2	0.0	34.8	143.4
9222407A	--			158.7	59.6	11.8	12.5	38.8	146.8
TUBBS	--	148.9	148.5	158.6	57.9	11.8	0.0	37.3	143.0
WA007934	--	129.2	133.3	158.2	57.1	12.4	42.5	37.8	147.5
HILLER	--	134.3	146.6	153.0	53.8	11.9	0.0	36.3	145.3
ARS97135-9	--	130.0	143.2	152.7	54.2	12.6	0.0	36.8	146.4
ARSC96059-2	--			152.6	61.2	12.6	38.8	39.0	144.5
ORCF-102	--		157.9	151.5	59.2	12.0	0.0	36.3	143.4
ARSC96059-1	--		135.8	151.1	60.9	12.6	22.5	40.0	145.6
SIMON	--	142.5	160.8	150.9	59.6	12.1	0.0	35.0	143.4
MADSEN	--	144.5	154.6	150.8	57.2	12.5	0.0	37.0	147.1
HUBBARD	--	137.5	154.5	150.3	59.6	12.0	6.3	40.8	145.6
ROD	--	135.1	139.9	149.4	56.1	12.4	21.3	36.8	147.1
BRUEHL	--	135.6	137.6	149.3	53.9	12.4	8.8	35.8	148.3
BU6W00-523	--			149.0	61.0	12.0	0.0	34.5	142.3
BZ6WM02-1020	--			148.7	59.1	11.8	6.3	35.3	145.3
ARS00235	--	126.6	132.3	148.6	58.1	12.5	20.0	38.3	147.9
LAMBERT	--	143.7	159.4	148.4	59.3	12.2	0.0	37.8	140.8
TUBBS 06	--			148.3	57.2	12.1	15.0	39.0	144.5
MADSEN/ROD	--			147.4	57.5	12.2	0.0	35.3	144.9
CHUKAR	--	143.8	144.2	147.2	55.2	12.6	0.0	36.8	148.3
MOHLER	--	135.6	142.9	146.6	60.0	11.9	2.5	37.5	142.6
ARS99123	--			146.4	59.5	12.4	0.0	34.0	143.0
ID990419	--			145.8	58.6	11.7	0.0	34.5	146.4
RELY	--	123.8	133.5	145.0	57.6	12.1	17.5	38.0	146.0
BU6W99-456	--			144.8	62.0	12.6	0.0	33.5	139.3
ID990435	--			144.3	58.7	12.4	0.0	38.5	140.8
WA007970	--		139.6	143.9	58.4	12.4	12.5	38.0	149.0
CODA	--	123.5	126.5	143.2	57.7	12.3	45.0	37.8	147.5
WA007971	--		139.0	143.0	54.6	12.3	22.5	36.5	147.9
WA007935	--	112.5	117.3	142.7	56.2	12.6	31.3	38.3	148.3
WA008000	--			141.5	57.9	12.2	5.0	38.0	147.9
MASAMI	--	126.6	133.5	139.6	54.6	12.4	11.3	39.5	148.3
RJAMES	--	135.6	139.5	138.3	54.5	11.8	47.3	31.5	146.0
CONCEPT	--	128.3	135.7	137.5	59.0	11.9	7.5	35.8	145.3
ORSS-1757	--		141.1	137.4	58.9	11.5	30.0	36.3	143.4
EDWIN	--	109.7	108.5	137.1	58.4	12.2	6.3	40.3	144.9
LEWJAIN	--	113.7	112.1	137.1	55.9	12.5	51.3	36.5	148.6
WA007999	--			135.9	54.7	12.4	0.0	28.8	142.6
MJ-9	--	136.0	136.3	135.8	56.6	11.9	21.3	36.5	145.3
ELTAN	--	113.7	105.6	135.7	56.3	12.6	79.8	37.5	148.3
FINCH	--	125.4	126.6	135.0	55.7	12.5	26.3	38.0	148.6
MJ-4	--	134.0	141.5	134.7	54.0	12.7	0.0	34.8	147.1
STEPHENS	--	132.5	143.3	134.6	58.7	12.0	5.0	35.0	141.1
HILL 81	--	128.8	139.9	132.8	58.0	12.6	16.3	39.5	146.8
ORH010920	--			131.7	58.3	12.0	0.0	31.0	138.9
ARS00258	--			131.0	55.5	12.4	46.3	38.5	146.0
BZ6WM02-1154	--			130.2	61.3	12.7	0.0	34.5	139.6
CASHUP	--	136.5	142.1	128.1	58.7	11.9	0.0	35.3	145.6
GEORGE	--	114.8	110.1	128.0	53.9	12.8	61.3	38.3	148.6
IDAHO 587	--	126.2	132.2	123.0	56.1	12.4	15.0	35.3	142.3
ORCF-101	--	131.6	139.3	120.5	56.8	12.7	0.0	35.0	145.3
C.V. %	--	11.7	11.6	9.1	2.2	1.9	--	--	--
LSD '@. 10'	--	10.5	13.3	15.3	1.5	0.3	--	--	--
Average	--	131.1	138.1	143.7	57.6	12.3	14.0	36.6	145.2
Highest	--	152.8	160.8	164.4	62.0	12.8	79.8	40.8	149.0
Lowest	--	109.7	105.6	120.5	53.8	11.5	0.0	28.8	138.9

MOSES LAKE SOFT WHITE WINTER WHEAT (IRRIGATED) – 2006 WSU VARIETY TESTING DATA

1. 2006 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Moses Lake location averaged 143.7 bu/ac that was about 10% higher than the 3-year historical average (131.1 bu/ac). *NOTE: The Moses Lake nursery was located adjacent the hard winter nursery (5 east of Moses Lake on Road O NE).* This nursery was seeded 14 October 2005 following potatoes.
2. **Yield differences** among the varieties had a range of 102.5 bu/ac to 164.4 bu/ac. Many varieties performed better than their historical 3-year average. This is evident in many varieties that have a strong tendency to lodge. A couple of factors appear to have contributed to this: (1) average plant height in the 2006 was only 36.6 inches compared to 43.0 inches in 2005 and (2) irrigation management (overhead circle) limited average percent lodging to 14.0% compared to 62% in 2005. Other 'external' causes of yield differences among varieties are not as evident and it is important to look at the statistical LSD (least significant difference) value at the bottom of each column to get a true picture of 'real' (statistical) differences between varieties.
3. Average **Test Weight** values averaged 57.6 lb/bu with a **Percent grain protein** range of 11.5%-12.8%. Best guess on fairly low test weight values and fairly high percent grain protein values is that it is due in part to high temperatures during grain fill in this part of the Basin. Lodging and maturity differences probably also came in to play for certain varieties.