2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT DAYTON, WA.

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006 YIELD (BU/A)	2006 TEST WT (LBS/BU)	2006 PROTEIN (%)	2006 LODGING (%)	2006 PLANT HT	2006 HEAD DATE
ORCF-102			144.5	150.4	60.6	11.3	0	40.3	144.0
WB 528		124.5	144.7	147.1	61.3	10.2	0	35.3	140.3
TUBBS 06				142.4	59.8	10.6	0	41.5	143.3
BU6W99-456				141.3	62.4	10.4	0	35.5	140.3
TUBBS	126.9	124.8	132.5	140.1	59.5	10.1	0	41.3	142.5
BU6W00-523				140.0	60.8	11.1	0	36.8	142.5
STEPHENS	123.1	120.8	133.9	139.8	59.3	10.6	0	35.8	142.1
MADSEN/ROD				139.0	59.3	11.0	0	38.8	144.4
ARSC96059-2				138.7	60.9	10.8	0	43.0	145.5
HILLER	118.0	113.8	122.6	138.5	57.3	10.5	0	39.3	145.1
ORH010920				138.4	59.5	10.6	0	32.5	140.3
SIMON	120.9	120.2	131.4	138.2	59.8	10.2	0	40.0	142.9
ROD	128.6	125.0	134.0	137.5	58.7	10.3	0	36.8	145.1
CODA	121.1	116.1	125.9	137.2	61.6	10.4	0	41.3	145.5
CHUKAR	128.8	122.8	131.5	137.1	58.5	9.9	0	38.5	145.9
MJ-9	124.7	116.4	125.9	136.9	57.3	10.2	0	37.0	145.9
ARS00258				136.6	59.8	10.4	0	40.3	144.4
FINCH	121.8	117.5	126.8	135.3	61.0	10.2	0	39.8	147.0
MOHLER	121.7	116.8	126.2	135.0	60.1	10.0	0	40.3	143.3
CONCEPT		116.5	131.2	134.5	60.0	10.4	0	35.5	145.1
HILL 81	125.3	121.6	133.8	133.6	60.4	11.2	0	41.3	145.9
BZ6WM02-1020				133.6	60.2	11.2	0	37.8	145.9
RELY	115.2	107.8	114.6	133.0	60.1	10.4	0	41.3	144.0
ORSS-1757			130.1	133.0	59.5	10.1	0	38.3	142.1
ARSC96059-1			124.2	132.8	61.8	10.7	0	43.0	144.0
BRUNDAGE 96	120.1	119.2	127.1	132.2	59.3	11.3	0	37.0	144.0
ORCF-101		114.7	120.1	130.8	59.3	11.4	0	37.0	142.9
ARS99123				130.7	61.4	10.3	0	37.5	142.1
WA007973			123.1	130.6	59.9	10.7	0	38.5	145.1
MADSEN	119.2	117.1	128.6	129.9	60.0	10.7	0	39.0	144.4
ARS97135-9		121.0	129.6	129.7	58.1	10.6	0	35.3	146.6
LAMBERT	115.0	113.3	126.9	129.6	59.3	10.1	0	40.8	142.5
9222407A				128.5	60.7	11.1	0	40.5	145.1
BRUEHL	119.8	113.1	119.1	127.9	57.0	10.7	0	40.3	147.0
MJ-4	116.1	114.3	120.2	127.1	58.3	10.5	0	38.3	147.0
IDAHO 587		112.5	124.8	125.8	58.2	10.8	0	36.8	142.1
RJAMES		120.8	125.5	125.3	58.3	9.8	0	35.8	144.0
CASHUP	114.9	111.5	124.1	124.3	60.0	10.4	0	36.0	144.4
ARS00235		108.7	117.2	123.1	60.8	10.8	0	43.0	145.9
WA007970			119.6	122.5	61.0	11.1	0	38.8	147.0
WA007971			119.5	121.7	57.4	10.8	0	34.8	147.4
MASAMI	117.5	112.4	118.6	120.5	58.2	10.9	0	38.8	146.3
WA007935		107.3	111.5	120.4	59.1	11.5	0	39.8	147.0
LEWJAIN	106.8	101.9	105.1	119.3	60.5	10.9	0	37.5	147.0
ID990435				119.3	59.7	10.4	0	40.3	142.9
WA007999				119.0	58.2	11.1	0	30.0	143.6
HUBBARD	115.6	109.3	117.5	117.6	59.9	10.8	0	43.8	144.8
WA007934		108.2	111.1	117.2	59.2	11.5	0	39.5	146.6
ID990419				116.5	60.0	11.1	0	37.5	147.4
WA008000				116.4	60.3	11.1	0	38.8	146.3
GEORGE		102.2	102.2	116.0	58.9	11.4	0	42.0	147.0
ELTAN	111.7	110.0	113.0	114.9	59.5	10.9	0	41.0	147.0
BZ6WM02-1154				108.6	62.2	10.5	0	37.8	141.0
EDWIN	97.5	93.2	94.0	106.0	62.2	10.8	0	44.5	145.9
C.V. %	7.9	7.2	7.0	7.2	0.8	6.5	--	--	--
LSD '@. 10'	5.0	5.7	7.2	11.0	0.5	0.8	--	--	--
Average	118.7	114.4	123.4	129.6	59.8	10.7	0	38.7	144.6
Highest	128.8	125.0	144.7	150.4	62.4	11.5	0	44.5	147.4
Lowest	97.5	93.2	94.0	106.0	57.0	9.8	0	30.0	140.3

DAYTON SOFT WINTER WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Dayton location averaged 129.6 bu/ac that was over 13% higher than the 3-year average at this location (114.4 bu/ac). *NOTE: The Dayton nursery was located on Kellogg Rd off Whetstone Rd about 12 miles northwest of Dayton, WA (J. Penner farm).*
2. This nursery was **seeded** on 29 September 2005 on fallow ground using a plot drill with double disc openers into quite a bit of stubble residue with soil moisture that was fairly deep, about 4-5-inches below the surface. Precipitation after seeding into the first week of October 2005 significantly enhanced germination and emergence.
3. This nursery was not impacted by the mid-February 2006 cold snap and a 14 Mar 2006 field evaluation showed fairly strong early spring regrowth in nearly all varieties. Stripe rust was not a factor in this nursery but there were slight incidences of **physiologic leaf spot** in susceptible varieties.
4. **Yield differences** among the varieties had a range of 106 bu/ac to 150.4 bu/ac; however, many of varieties/experimental lines had yields that were grouped very closely together and statistically equal. In contrast to other soft white winter wheat nurseries harvested to date, this nursery seemed to handle the dry/heat stress period from mid-April to mid-May. This may have been a function of the heavy residue load on the soil surface that helped retain sub-surface moisture. Variety rankings tracked very closely with 2-year and 3-year ranking trends. The top six highest yielding varieties in the 2006 nursery were statistically 'equal' in yield and each of them had Madsen as part of their parentage. It also appears that some of the higher yielding varieties/experimental lines had slightly earlier maturity (heading dates). These varieties/experimental lines may have gained their yield advantage in 2006 capitalizing on earlier spring regrowth and ability to stay ahead of the wide swings in temperature and moisture during spring 2006.
5. Average **Test Weight** values were 59.8 lb/bu with nearly half of the varieties/experimental lines above 60 lbs/bu. **Percent grain protein** averaged 10.7%.