

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

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
BZ6WM02-1020				147.4	60.5	11.7	0.0	40.8	161.3
TUBBS	135.5	141.1	145.7	147.1	57.6	11.7	0.0	42.0	159.8
CONCEPT		136.3	139.7	146.5	60.4	11.8	0.0	38.0	161.6
WA007973			142.0	146.0	58.6	12.1	0.0	39.0	163.9
MJ-9	126.7	133.3	138.4	145.0	58.1	12.0	7.5	40.8	161.6
ORCF-102			142.1	144.3	60.8	11.5	0.0	42.8	158.6
HUBBARD	122.5	129.8	132.2	142.1	60.7	11.5	0.0	46.8	162.4
WA007971			138.0	141.7	57.9	11.3	0.0	39.3	163.9
ROD	127.9	137.9	136.8	141.4	58.1	11.6	0.0	39.3	162.0
TUBBS 06				140.2	57.5	11.8	0.0	43.0	159.8
LAMBERT	126.9	136.2	138.3	139.7	59.3	11.7	6.3	41.8	158.3
CHUKAR	132.6	138.6	136.3	139.3	58.2	11.7	0.0	40.0	164.6
HILL 81	131.1	142.4	143.9	139.0	59.5	12.1	0.0	44.8	162.0
WB 528		142.4	143.1	138.6	60.6	12.5	0.0	39.8	157.9
ID990435				138.5	59.0	12.0	17.5	43.5	158.3
BU6W00-523				138.4	61.0	11.8	0.0	38.5	159.4
ID990419				138.2	60.0	11.1	10.0	39.3	162.0
CASHUP	128.9	137.1	135.1	136.8	60.5	11.7	0.0	37.5	160.9
STEPHENS	121.8	128.3	124.9	135.1	59.3	11.5	0.0	38.5	158.3
ARS00258				134.7	60.4	12.2	1.3	39.8	162.8
9222407A				133.8	60.2	11.5	0.0	44.0	162.0
SIMON	127.6	132.3	137.5	133.7	59.4	11.9	0.0	41.5	158.6
ARS00235		128.9	127.0	133.5	60.7	12.6	8.8	44.8	165.4
MADSEN	126.0	131.0	131.7	133.3	58.3	12.4	0.0	41.5	162.0
FINCH	125.4	130.7	131.1	133.0	60.1	11.5	0.0	41.5	165.8
BRUEHL	127.8	133.5	135.1	132.8	56.9	11.9	0.0	41.3	165.8
ARS99123				132.4	60.3	12.0	0.0	37.3	160.5
RJAMES		123.5	119.8	132.3	56.7	11.3	1.3	36.5	163.9
BU6W99-456				131.7	61.4	12.9	0.0	36.8	159.0
CODA	123.5	127.9	126.9	131.1	60.3	13.4	60.0	41.5	163.1
ORCF-101		136.7	137.1	130.8	60.1	12.4	0.0	41.0	160.1
ORH010920				129.9	59.2	11.9	0.0	34.0	157.9
RELY	123.0	127.8	126.6	128.5	58.4	12.1	13.8	40.5	163.5
MJ-4	122.1	126.9	130.1	128.4	56.5	12.4	0.0	39.8	164.3
BZ6WM02-1154				128.2	62.1	12.5	0.0	38.8	158.3
WA007934		124.4	117.2	128.1	58.1	11.9	7.5	40.8	166.1
MADSEN/ROD				128.0	59.1	11.6	0.0	40.3	162.4
ARSC96059-2				127.2	61.1	13.2	41.3	43.8	163.5
IDAHO 587		129.8	123.7	127.2	58.3	11.9	0.0	38.8	158.3
WA008000				127.1	59.1	12.4	0.0	41.8	163.9
HILLER	120.0	124.7	123.6	126.0	56.3	11.8	0.0	38.8	162.4
ORSS-1757			129.3	124.7	58.0	11.4	0.0	37.8	160.5
MOHLER	119.5	125.5	122.6	124.2	59.1	11.6	3.8	42.0	159.0
WA007935		118.0	115.2	124.1	58.0	11.9	1.3	40.8	166.5
ARS97135-9		127.7	131.1	123.9	57.3	12.1	0.0	37.0	163.9
WA007970			125.6	123.6	59.0	12.5	0.0	41.0	166.1
EDWIN	104.9	107.1	108.3	122.4	60.7	12.4	35.0	42.0	162.8
ARSC96059-1			122.4	121.9	60.3	13.2	48.8	44.0	163.1
GEORGE		120.5	118.1	121.4	56.9	12.1	10.0	42.3	166.1
ELTAN	114.0	121.5	110.5	119.1	57.9	12.1	25.0	40.3	166.9
BRUNDAGE 96	119.0	123.9	126.8	117.0	55.9	12.5	0.0	39.3	161.3
WA007999				115.4	56.8	12.3	0.0	32.0	161.6
MASAMI	109.0	114.6	106.7	107.5	55.6	12.2	0.0	41.0	165.4
LEWJAIN	105.2	107.2	100.4	104.3	56.9	12.3	16.3	39.0	166.5
C.V. %	7.4	7.3	6.7	5.9	1.8	4.1	--	--	--
LSD '@.10'	4.8	6.3	7.2	9.1	1.2	0.6	--	--	--
Average	122.6	128.7	128.7	131.6	58.9	12.0	5.8	40.4	162.2
Highest	135.5	142.4	145.7	147.4	62.1	13.4	60.0	46.8	166.9
Lowest	104.9	107.1	100.4	104.3	55.6	11.1	0.0	32.0	157.9

FARMINGTON SOFT WHITE WINTER WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Farmington, WA location averaged 131.6 bu/ac that was slightly above the 3-year historical average (128.7 bu/ac). *NOTE: The nursery was located about 2 miles south of Farmington, WA on the Farmington/Garfield Rd (B. Nelson farm).*
2. This nursery was **seeded** on 7 October 2005 on ground following dry seed peas with a no-till drill (cross-slot openers). Late September/early October precipitation provided a nice seed bed with moisture on the soil surface. This nursery had good emergence and a very even, uniform stand going into the winter and sustained no winter injury from the 17-19 February 2006 cold snap.
3. **Average yield rankings** of the highest yielding varieties bounced a round a little compared to the 3-yr historical averages. As in many other nurseries, this is a year where it is difficult to find much separation among varieties since average yields are grouped so closely together. 30% of the highest yielding varieties were statistically 'equal' in the Farmington nursery in 2006. It does appear that varieties with earlier spring regrowth/maturity seemed to have higher yield potentials suggesting that they were better able to handle the drought/heat stress from mid-April to mid-May. Lodging is always a problem at this location with weaker stemmed varieties and varieties in the nursery that had a fairly high level of lodging also had some of the lower yields (Lewjain, Eltan, George and Edwin would fall into this category).
4. Average **Test Weight** value was 58.9 lbs/bu and **percent grain protein** averaged 12.0%. A majority of varieties with the lowest test weight were also varieties that had later maturity (heading dates) indicating that the dry/heat stress during late June/July kernel fill took was more detrimental to later varieties in particular.