

2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT ST. JOHN, 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
TUBBS	144.8	144.8	133.6	162.2	60.6	10.1	0.0	43.5	148.6
CHUKAR	148.1	144.6	135.5	157.1	60.0	10.2	17.5	43.8	152.0
ARS97135-9		148.5	139.0	155.3	59.8	10.7	2.5	40.8	151.6
TUBBS 06				154.9	60.6	10.0	0.0	43.5	149.8
MJ-9	142.1	142.4	136.3	151.4	59.4	10.0	0.0	41.8	152.0
WA007973			115.4	151.2	60.1	10.3	0.0	42.0	152.0
ARSC96059-2				147.4	62.0	10.6	35.0	46.0	151.6
WB 528		127.6	113.7	147.4	61.7	9.9	2.5	40.3	146.0
HILLER	131.0	122.0	108.3	147.2	58.2	10.4	2.5	43.0	151.3
GEORGE		118.7	103.6	147.2	60.0	10.2	37.5	45.8	153.5
MOHLER	131.8	128.4	111.9	146.9	61.2	9.5	12.5	42.3	148.3
ORCF-102			123.8	146.3	61.3	10.7	0.0	44.3	150.5
MASAMI	135.8	133.2	121.0	145.9	59.7	9.3	0.0	43.5	152.0
HUBBARD	141.6	138.7	123.4	145.2	60.9	10.1	0.0	48.0	151.3
BU6W00-523				145.1	61.8	10.7	0.0	40.8	149.0
ARS00235		123.2	114.4	144.0	61.9	10.9	48.8	46.5	153.1
ARSC96059-1			125.5	143.8	62.5	10.8	36.3	45.8	151.6
CONCEPT		130.7	123.1	143.8	61.0	10.5	0.0	39.5	151.6
MADSEN	133.6	134.3	127.7	143.4	60.9	10.7	0.0	40.5	150.9
BRUEHL	130.6	125.3	109.6	142.9	57.9	10.8	18.8	44.5	153.5
BRUNDAGE 96	133.4	127.6	116.5	142.2	60.6	10.3	0.0	39.8	150.1
FINCH	141.4	138.8	126.7	142.1	61.8	10.5	5.0	42.5	153.5
SIMON	137.2	133.7	129.1	141.8	60.8	10.4	0.0	42.5	150.5
MADSEN/ROD				141.5	59.9	11.0	2.5	41.3	151.6
MJ-4	137.1	131.8	119.6	140.9	59.1	11.4	0.0	41.3	153.1
CODA	129.8	123.8	113.5	140.0	62.3	10.6	37.5	43.5	152.0
CASHUP	134.4	130.8	118.3	139.6	61.2	10.9	0.0	40.8	151.6
BZ6WM02-1020				138.6	60.9	11.0	0.0	41.5	152.4
ID990435				138.5	60.2	10.5	2.5	44.3	150.5
HILL 81	141.0	137.8	124.4	138.5	60.9	10.7	15.0	44.0	151.6
BU6W99-456				138.3	62.7	11.3	0.0	38.5	146.4
WA007971			109.3	138.2	58.7	10.2	0.0	39.0	152.4
WA007935		121.2	110.5	137.7	60.8	10.5	13.8	43.8	153.5
STEPHENS	138.7	136.6	128.2	137.5	59.9	10.8	0.0	40.0	147.9
LAMBERT	135.6	127.2	119.8	137.0	60.5	10.5	15.0	41.8	148.6
RELY	128.9	123.1	107.0	136.4	60.8	10.7	70.0	45.0	152.4
ORCF-101		137.0	130.0	136.1	60.5	11.3	0.0	41.8	150.1
WA007934		118.4	101.1	135.0	60.5	10.0	5.0	43.5	153.5
ORH010920				134.3	60.3	10.9	0.0	36.5	146.4
RJAMES		125.4	107.5	133.1	58.6	9.9	35.0	39.5	152.0
IDAHO 587		131.0	122.7	132.9	60.0	10.6	2.5	38.8	148.3
9222407A				132.8	60.9	10.6	2.5	43.5	152.0
ARS99123				132.7	61.4	10.9	60.0	41.3	148.3
ARS00258				132.6	60.7	11.1	53.8	42.8	151.6
ROD	136.9	128.3	111.0	132.6	59.0	10.2	27.5	40.5	151.6
WA008000				132.6	61.2	10.8	0.0	40.8	152.4
ORSS-1757			111.8	131.4	60.1	10.5	30.0	39.5	148.3
ID990419				129.8	60.4	10.0	6.3	41.5	152.8
LEWJAIN	119.3	111.7	95.5	128.6	60.5	10.6	31.3	42.0	153.5
WA007970			106.9	128.2	61.5	11.1	0.0	40.0	154.3
EDWIN	105.0	99.1	89.3	128.0	62.6	11.4	53.8	47.5	151.6
BZ6WM02-1154				125.3	62.8	11.4	2.5	39.3	146.8
ELTAN	121.2	112.9	93.8	117.2	60.3	10.6	48.8	43.5	153.1
WA007999				107.3	59.6	11.1	0.0	31.8	151.6
C.V. %	9.4	11.1	11.3	6.3	0.6	5.9	--	--	--
LSD '@.10'	6.4	9.6	11.2	10.3	0.5	0.7	--	--	--
Average	133.9	129.0	116.9	139.4	60.6	10.6	13.6	42.0	151.1
Highest	148.1	148.5	139.0	162.2	62.8	11.4	70.0	48.0	154.3
Lowest	105.0	99.1	89.3	107.3	57.9	9.3	0.0	31.8	146.0

ST JOHN 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 St John, WA location averaged 139.4 bu/ac that was 8.1% higher than the 3-year historical average (129.0 bu/ac). *NOTE: The nursery was located about 8 miles northeast of St John, WA on Ingram Rd (Mac and Rod Mills farm).*
2. This nursery was **seeded** on 21 September 2005 on fallow ground into soil moisture that was about 2-inches below the surface. . This nursery had good emergence and a very even , uniform stand going into the winter.
3. This nursery handled the 17-19 Feb 2006 cold snap with little to no winter injury except on a few of experimental lines (WA007999, WA007970 and ORH010920) that showed some winter injury and poor spring re-growth recovery. The nursery also withstood the dry/heat stress periods from mid-April to mid-May.
4. **Average yield rankings** bounced around a little when comparing with 3-yr and 5-yr averages; however, varieties with the highest yield rankings in 2006 tracked the historical yield rankings. ARS97135-9 that has had the highest 3-year average in the St John nursery is a soft white winter club that is being proposed for release in 2007 by USDA/ARS. This winter club has shown good resistance to foot rot and stripe rust. As in other 2006 soft white winter wheat nurseries, average yields were very closely grouped. This nursery was planed on a south facing slope on fairly deep soil that enabled it to do a good job of withstanding drought/heat stresses throughout the growing season.
5. Average **Test Weight** value was good at 60.6 lbs/bu and only 12 varieties/experimental lines out of the 54 entries had test weight values lower than 60 pounds. Many of the 12 were only slightly below 60#/bu. High test weight values were complimented by fairly low **percent grain protein** averages at 10.6%.