

2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT BICKLETON, 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
HUBBARD	--	--	--	65.4	59.4	12.1	0	30.0	159.6
WA007935	--	--	--	64.8	56.6	12.4	0	26.0	163.8
ELTAN	--	--	--	63.8	57.9	12.2	0	25.0	163.4
WA007973	--	--	--	63.5	57.1	11.9	0	26.0	161.1
TUBBS 06	--	--	--	63.3	54.6	13.0	0	28.0	160.0
BRUEHL	--	--	--	62.0	54.0	13.3	0	28.0	162.6
TUBBS	--	--	--	61.7	55.3	12.5	0	28.0	159.3
BU6W00-523	--	--	--	61.4	59.3	12.6	0	24.0	157.8
ID990419	--	--	--	60.7	56.2	12.3	0	26.0	162.3
WA007934	--	--	--	60.4	56.7	12.2	0	26.0	162.3
ORCF-102	--	--	--	60.1	57.5	12.5	0	30.0	158.9
HILL 81	--	--	--	59.9	56.5	12.9	0	31.0	160.0
BZ6WM02-1020	--	--	--	59.8	57.5	12.1	0	25.0	158.9
SIMON	--	--	--	58.7	56.8	12.2	0	24.0	145.8
9222407A	--	--	--	58.7	58.0	12.5	0	26.0	160.8
ARSC96059-2	--	--	--	58.5	58.2	12.2	0	24.0	160.0
ID990435	--	--	--	58.4	56.7	12.3	0	30.0	154.8
MASAMI	--	--	--	57.7	56.3	11.8	0	25.0	161.9
WA007970	--	--	--	57.7	57.1	12.7	0	25.0	163.8
CHUKAR	--	--	--	57.6	55.4	13.2	0	27.0	163.8
CONCEPT	--	--	--	57.2	59.2	11.7	0	24.0	158.9
WA007971	--	--	--	57.1	53.4	12.6	0	26.0	166.4
RJAMES	--	--	--	57.0	54.6	12.0	0	20.0	163.0
GEORGE	--	--	--	56.9	55.0	12.8	0	25.0	164.1
ARS99123	--	--	--	56.7	58.3	12.4	0	21.0	160.0
LAMBERT	--	--	--	56.3	57.1	12.1	0	27.0	155.9
ROD	--	--	--	56.2	54.8	12.4	0	24.0	161.9
STEPHENS	--	--	--	56.0	56.7	13.0	0	26.0	157.0
MJ-9	--	--	--	55.6	55.1	12.2	0	24.0	160.4
MADSEN/ROD	--	--	--	55.5	55.3	12.5	0	25.0	162.3
BU6W99-456	--	--	--	54.5	60.5	13.2	0	22.0	157.4
ORH010920	--	--	--	53.9	57.1	12.5	0	20.0	158.1
ARS00258	--	--	--	53.7	59.5	12.4	0	22.0	160.8
BRUNDAGE 96	--	--	--	53.4	54.7	12.8	0	24.0	158.9
ARSC96059-1	--	--	--	53.0	58.6	12.6	0	24.0	159.6
ARS00235	--	--	--	52.7	56.6	13.3	0	26.0	164.1
MJ-4	--	--	--	52.6	53.7	12.7	0	25.0	161.5
CODA	--	--	--	52.4	59.6	11.6	0	26.0	160.8
LEWJAIN	--	--	--	52.2	57.8	12.7	0	22.0	162.6
HILLER	--	--	--	52.0	53.9	12.6	0	22.0	161.5
FINCH	--	--	--	52.0	58.7	12.4	0	23.0	164.9
RELY	--	--	--	51.8	57.8	12.3	0	22.0	161.5
EDWIN	--	--	--	51.7	59.1	12.4	0	26.0	160.0
WB 528	--	--	--	50.9	59.2	12.1	0	25.0	156.6
CASHUP	--	--	--	50.6	58.7	11.9	0	23.0	159.3
ORCF-101	--	--	--	50.3	55.3	12.7	0	27.0	157.8
MOHLER	--	--	--	49.6	55.6	12.9	0	26.0	158.1
MADSEN	--	--	--	49.5	56.6	12.7	0	26.0	159.6
IDAHO 587	--	--	--	49.2	57.2	12.3	0	25.0	157.4
WA008000	--	--	--	49.1	57.3	12.5	0	24.0	161.9
BZ6WM02-1154	--	--	--	49.0	59.6	13.2	0	24.0	157.4
ORSS-1757	--	--	--	48.5	56.9	12.3	0	27.0	159.6
ARS97135-9	--	--	--	42.5	53.9	13.4	0	22.0	164.1
WA007999	--	--	--	40.3	52.3	12.5	0	20.0	160.0
C.V. %	--	--	--	14.7	2.7	5.9	--	--	--
LSD '@ .10'	--	--	--	9.5	1.8	0.9	--	--	--
Average	--	--	--	55.4	56.8	12.5	0	25.0	160.3
Highest	--	--	--	65.4	60.5	13.4	0	31.0	166.4
Lowest	--	--	--	40.3	52.3	11.6	0	20.0	145.8

BICKLETON 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 Bickleton, WA location averaged 55.4 bu/ac. *NOTE: The nursery was located about 5 miles east of Bickleton, WA on Glade Rd (S. Matsen farm).*
2. This nursery was **seeded** on 13 October 2005 on chem-fallow ground with a no-till (cross-slot) drill. The soil moisture level at planting was 3-inches below the soil surface. Fall precipitation supported good germination and emergence and the wheat was in good shape going into the winter. Most varieties/experimental lines handled the 17-19 February 2006 cold snaps with little visible injury. Two exceptions noted on a 6 April 2006 field evaluation were: WA007999 and ORSS1757 that exhibited winter injury symptoms and poor spring re-growth.
3. There are no historical yield rankings at this location since during the previous two years the winter wheat stand was too erratic for accurate yield evaluations in a direct seed, annual cropping planting system. Chem fallow ground this year (2006) provided what appear to be fairly consistent **Yield comparisons** among varieties/experimental lines for this location. However, like in the majority of other WSU Variety Testing soft white winter wheat nurseries in 2006, there yields of the majority of varieties/experimental lines are very closely grouped together. At the Bickleton location, the top 29 entries out of 54 were 'statistically' equal in yield. This trend of close grouping of varieties seems to be a function of the ups & downs in the 2005-2006 growing season that included early season drought conditions, mid-winter cold snaps, late spring drought/heat stress, late May/early June precipitation coupled with cool weather and heat stress periods in June and July.
4. **Average Test Weight** value was 56.8 lbs/bu that reflect heat/drought stress during kernel development and fill. Associated with low test weight values were fairly high **percent grain protein** that averaged of 12.5%.