

2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT RITZVILLE, 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
CODA	66.0	66.9	69.8	78.0	62.1	13.0	0	34.3	154.1
MASAMI	70.7	71.5	73.9	77.7	60.5	12.0	0	33.3	156.0
GEORGE		66.6	67.7	74.3	60.2	12.1	0	32.8	156.0
CHUKAR	68.6	68.3	65.6	74.0	59.9	11.2	0	31.5	154.1
WA007973			73.2	72.8	60.0	12.0	0	31.3	152.6
HILLER	63.8	64.1	64.4	72.4	59.5	11.4	0	32.3	152.6
ARS97135-9		63.6	62.7	71.0	60.1	11.9	0	29.8	154.1
ARS00258				70.4	62.0	13.0	0	31.0	153.8
ORCF-102			68.3	69.1	60.8	11.8	0	32.8	153.4
ROD	67.7	65.8	65.3	68.1	59.7	12.1	0	29.3	154.5
TUBBS	68.0	67.3	70.3	67.6	60.3	11.9	0	33.3	152.3
RELY	61.6	60.8	60.4	67.3	61.4	12.4	0	33.0	153.8
MJ-9	63.5	61.9	64.4	67.2	59.8	12.5	0	30.3	154.5
FINCH	68.1	68.3	68.0	67.1	61.8	11.5	0	30.5	156.0
ELTAN	62.5	61.6	62.8	66.7	60.9	12.6	0	31.3	156.0
ARS00235		61.0	63.0	66.5	60.8	13.8	0	35.0	154.1
MADSEN	62.6	62.2	63.1	66.5	60.6	13.1	0	31.3	154.1
WA007935		58.5	60.6	66.0	60.4	12.7	0	32.0	156.0
BRUEHL	65.5	64.2	64.1	65.5	59.6	12.3	0	32.8	156.0
MADSEN/ROD				65.3	60.0	12.5	0	31.5	154.5
MOHLER	63.7	61.8	64.2	65.1	60.8	12.2	0	31.8	151.1
LEWJAIN	62.6	63.0	61.8	64.6	62.0	12.4	0	30.5	155.6
EDWIN	59.2	61.3	60.5	64.5	62.6	12.4	0	34.3	152.3
WA008000				64.4	61.1	12.4	0	31.5	156.0
RJAMES		61.7	62.4	64.2	59.4	11.0	0	28.8	153.4
MJ-4	63.9	61.6	61.0	63.8	58.7	11.5	0	32.0	155.6
BU6W00-523				63.4	62.0	13.0	0	30.8	150.8
CASHUP	59.9	60.9	61.7	62.9	62.0	13.0	0	29.0	153.0
HUBBARD	61.7	60.4	60.8	62.4	61.5	13.3	0	36.0	153.0
WA007934		62.0	63.1	61.9	59.7	12.6	0	30.5	155.3
ID990419				61.9	60.7	12.0	0	31.8	155.3
CONCEPT		56.8	58.9	61.9	62.1	12.3	0	30.3	153.8
ORCF-101		62.9	62.9	60.4	60.5	12.7	0	31.3	150.8
WA007970			57.4	59.9	60.4	12.7	0	31.5	155.6
TUBBS 06				59.2	59.9	12.2	0	32.3	152.6
ID990435				58.8	60.0	11.9	0	33.0	151.1
STEPHENS	57.9	55.9	54.9	58.1	60.3	12.0	0	30.0	150.0
BRUNDAGE 96	59.6	59.1	61.4	57.9	59.6	12.1	0	28.8	151.5
HILL 81	60.1	58.8	57.5	57.2	61.1	12.8	0	32.5	153.8
WA007971			57.9	57.1	57.8	11.6	0	29.8	155.3
ARS99123				57.0	60.9	12.9	0	29.5	153.0
WB 528		55.4	53.2	56.5	61.5	12.4	0	30.3	146.3
BZ6WM02-1020				56.0	61.0	12.4	0	29.5	154.5
ARSC96059-1			63.0	55.8	60.7	12.8	0	33.8	153.4
ARSC96059-2				54.9	61.1	12.7	0	33.0	153.4
SIMON	56.0	53.3	55.0	53.7	59.2	12.5	0	30.5	152.6
ORSS-1757			61.4	53.3	59.5	11.8	0	31.5	150.8
WA007999				52.1	56.4	12.5	0	25.5	151.5
LAMBERT	57.1	54.3	53.4	52.0	60.3	12.4	0	31.8	150.0
IDAHO 587		51.2	51.5	51.7	59.9	12.1	0	30.0	150.0
9222407A				51.0	60.3	13.2	0	31.0	154.1
BU6W99-456				50.3	61.6	13.9	0	29.0	144.8
BZ6WM02-1154				47.1	60.6	13.6	0	26.5	148.9
ORH010920				37.7	58.9	12.2	0	26.3	145.9
C.V. %	9.1	10.8	11.9	12.1	0.9	6.5	--	--	--
LSD '@. 10'	3.0	4.4	6.0	8.8	0.7	0.9	--	--	--
Average	63.1	61.6	62.3	62.1	60.5	12.4	0	31.2	153.0
Highest	70.7	71.5	73.9	78.0	62.6	13.9	0	36.0	156.0
Lowest	56.0	51.2	51.5	37.7	56.4	11.0	0	25.5	144.8

RITZVILLE 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 Ritzville location averaged 62.1 bu/ac that was essentially equal to the 3-year historical average (61.6 bu/ac). *NOTE: The Ritzville nursery was located eight miles northwest of Ritzville on Dewald Rd (E. Maier farm).*
2. This nursery was **seeded early** on 2 September 2005 on summer fallow ground using a deep furrow plot drill with split packer double disc openers into soil moisture that was about 4-inches below the surface. This nursery had excellent emergence that resulted in a very even and uniform stand with fairly large wheat going into the winter. The 17-19 Feb 2005 cold snap caused some winter injury to less hardy varieties, most notably ORH010920.
3. **Stripe rust** was not a factor in the 2006 nursery even though traces of stripe rust could be observed on susceptible varieties.
4. **Yield differences** among the varieties had a range of 37.7 bu/ac to 78.0 bu/ac but many differences were very slight. Comparative yield ranking by variety in the 2006 nursery closely followed 3-year historical yield rankings. The comparison of earlier maturity and lower yield is not as evident in the soft white winter nursery compared to the hard winter nursery (above) at Ritzville; however, the majority of varieties in the bottom 12% of yield have the earliest heading date. This nursery also seemed to suffer from the up-and-down weather patterns during the 2005-2006 growing season. There was an extreme dry weather pattern from mid-April (following Easter) to mid May with no precipitation followed at the end of this period (16-19 May 2006) with temperatures that soared into the 90's. Roots and crowns were sitting in extremely dry soil. Earlier/faster growing varieties were probably more negatively impacted by this weather/moisture pattern. Late May and early June precipitation seemed to make the 2006 crop, particularly for varieties that had growth and development patterns that dovetailed with these precipitation events. Late season precipitation and cooler weather during kernel development seemed to enhance test weight values for all varieties.
5. Average **Test Weight** values averaged 60.5 lb/bu with a **Percent grain protein** range of 11.0%-13.9%.