

2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT HARRINGTON, WA.

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
GEORGE	--	--	71.5	67.2	58.8	9.1	0	32.8	144.0
TUBBS	--	--	72.2	66.0	59.5	9.5	0	31.8	145.9
ELTAN/TUBBS	--	--		65.7	59.9	9.5	0	32.5	145.9
MJ-9	--	--	71.5	65.4	58.1	9.4	0	29.3	146.3
MASAMI	--	--	69.2	64.8	59.6	9.0	0	32.5	145.9
MADSEN	--	--	64.9	64.2	59.9	10.3	0	31.8	145.5
WB 528	--	--	66.4	64.1	61.1	9.7	0	31.8	144.8
ELTAN/MADSEN	--	--		63.9	60.1	10.1	0	32.3	145.9
FINCH	--	--	67.8	63.6	60.8	9.9	0	30.5	147.4
WA008020	--	--		63.4	58.8	10.4	0	29.5	147.4
ORI2042037	--	--		62.9	59.3	9.8	0	29.8	147.0
ROD/TUBBS	--	--		62.9	59.6	9.1	0	32.5	146.3
BZ6WM02-1020	--	--	67.6	62.8	59.8	9.7	0	29.3	147.4
ORCF-101	--	--	65.9	62.6	60.0	10.2	0	31.5	147.4
ID02-859	--	--		61.6	58.9	9.5	0	30.5	145.9
ELTAN	--	--	62.1	61.3	59.7	9.8	0	30.5	145.1
CODA	--	--	68.0	60.8	61.2	10.5	0	31.8	146.3
ARS00235	--	--	66.8	60.5	60.6	10.5	0	33.3	147.4
MADSEN/ROD	--	--	66.1	60.5	59.5	9.7	0	30.3	147.8
ORCF-102	--	--	68.7	60.4	60.2	10.3	0	32.5	146.6
MOHLER	--	--	68.0	60.4	60.1	10.1	0	31.8	146.3
XERPHA	--	--	69.4	60.0	59.2	10.1	0	30.8	145.1
WA008000	--	--	63.5	60.0	60.3	10.3	0	30.5	146.6
BRUNDAGE 96	--	--	66.5	60.0	59.6	9.4	0	29.3	145.9
WA007934	--	--	61.4	59.3	59.5	9.7	0	32.0	146.6
RJAMES	--	--	64.1	59.2	58.5	9.7	0	28.0	145.9
CARA	--	--	62.6	58.3	58.3	10.2	0	27.5	149.6
9364901A	--	--		58.3	60.4	10.0	0	30.3	145.9
ARS970278-2	--	--		58.2	60.1	10.1	0	30.0	146.6
SALUTE	--	--		58.2	58.3	9.9	0	30.5	146.3
BU6W99-456	--	--	60.3	58.0	61.7	11.0	0	29.5	146.3
ARSC96059-1	--	--	62.3	57.4	61.0	10.3	0	32.0	146.3
TUBBS 06	--	--	63.8	57.2	59.2	9.9	0	33.3	145.9
AP 700 CL	--	--		57.2	60.4	10.3	0	31.3	145.9
EDWIN	--	--	60.2	57.1	60.6	9.7	0	31.3	144.4
9222407A	--	--	59.6	57.0	60.3	10.0	0	32.0	145.5
MJ-4	--	--	61.2	56.9	58.1	11.0	0	30.0	149.3
BU6W00-523	--	--	63.3	56.8	60.5	10.1	0	31.3	145.9
BRUEHL	--	--	62.8	56.7	59.3	10.7	0	31.5	145.5
RELY	--	--	66.6	56.6	60.0	9.9	0	29.5	147.4
ID990435	--	--	59.5	56.5	59.6	9.8	0	34.3	145.9
CONCEPT	--	--	63.0	56.4	59.8	9.8	0	28.3	147.0
STEPHENS	--	--	59.5	56.3	59.7	9.9	0	30.0	145.1
WA008021	--	--		56.1	59.9	10.4	0	29.8	145.1
ROD	--	--	63.7	56.0	58.4	10.0	0	29.8	147.4
IDAHO 587	--	--	61.5	55.7	59.8	10.4	0	30.3	147.0
SIMON	--	--	62.3	55.5	59.9	10.6	0	30.8	147.0
CHUKAR	--	--	62.9	54.6	58.5	10.0	0	29.5	146.3
LAMBERT	--	--	60.7	52.0	59.6	10.4	0	32.0	147.0
CASHUP	--	--	57.5	51.7	59.9	10.4	0	28.0	147.8
C.V. %	--	--	7.8	7.5	0.5	5.5	--	--	--
LSD '@ .10'	--	--	4.1	5.2	0.3	0.6	--	--	--
Average	--	--	64.5	59.6	59.7	10.0	0	30.8	146.4
Highest	--	--	72.2	67.2	61.7	11.0	0	34.3	149.6
Lowest	--	--	57.5	51.7	58.1	9.0	0	27.5	144.0

HARRINGTON SOFT WHITE WINTER WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Harrington location averaged 59.6 bu/ac that is 7.5% below the 2-year average. *NOTE: The Harrington nursery was located ten miles southwest of Harrington on Knapp Road (M. Kramer farm).*
2. This nursery was **seeded** on 13 September 2006 on summer fallow ground using a deep furrow plot drill with split packer double disc openers. Seeding rate was 45# per acre and a base fertilizer rate of 60#N and 5S per acre. The nursery had even emergence that resulted in a uniform stand. In general, the cold snaps at the end of October 2006 and the 10-day cold-snap in mid-January (11-21 Jan 2007) had minimal winter injury impact. A 19 March 2007 field evaluation showed a very even stand with all plants in the 3-4 tiller stage of development. Even with the 3-month (March-May) spring growing period that was characterized by exceedingly cold, dry weather patterns this nursery maintained a uniform stand; however, yields slightly below a 2-year average are probably a result of delayed early growth and development of winter wheat root systems and crowns due to below normal spring precipitation.
3. **Stripe rust** was not a factor in the 2007 soft white winter wheat nursery. Stripe rust infection summary evaluations conducted by Dr. Xianming Chen, Plant Pathologist, USDA/ARS, Pullman, WA for all varieties included in the WSU Variety Testing Program winter wheat nurseries at six locations (including Lind, WA) are available on the WSU Extension Uniform Cereal Variety Web site under the Agronomy Updates section of the web site – posted 7-25-07. (<http://variety.wsu.edu/>).
4. **Yield differences** had a range of 51.7 to 67.2 bushels per acre; however, many varieties/lines had yields that were grouped very closely together and not statistically different. This close grouping paralleled 2-year average yields at this location as well.
5. Wheat quality in terms of **test weight** was good at this location with an average test weight value of 59.7 lbs/bu.
6. **Percent grain protein** averaged 10.0% which is one of the lower grain protein average percent nurseries harvested to date. In part this could be explained by a fairly good balance of fertility to grain production.