

2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT PULLMAN, 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
ID990435			153.1	163.6	59.5	10.3	0.0	44.3	153.5
XERPHA		160.2	162.7	160.8	60.0	10.5	0.0	40.8	158.4
TUBBS	154.6	152.7	157.6	155.8	60.1	10.2	0.0	42.3	155.0
ELTAN/TUBBS				155.4	59.7	10.3	0.0	42.5	156.5
ROD/TUBBS				155.3	59.4	10.0	0.0	41.8	156.5
ELTAN	142.2	136.8	140.5	154.6	61.0	10.0	0.0	42.8	161.4
ROD	152.8	157.0	149.8	153.0	59.3	10.2	0.0	38.5	158.8
FINCH	150.3	154.9	152.1	151.6	61.5	10.5	0.0	41.3	159.9
<i>ARSC96059-1</i>		142.9	147.4	151.5	62.6	10.8	0.0	46.5	157.6
MJ-9	153.3	158.2	156.9	150.5	58.6	10.7	0.0	38.0	158.0
MASAMI	143.3	145.2	147.2	148.4	59.1	10.5	0.0	40.8	158.8
SIMON	144.9	148.7	147.0	148.1	60.4	10.9	0.0	41.8	156.9
TUBBS 06			153.9	148.1	59.8	10.6	0.0	42.8	156.5
AP 700 CL				147.9	59.8	10.8	0.0	41.3	153.1
IDAHO 587	146.4	147.3	147.8	147.8	60.1	10.2	0.0	39.3	152.4
SALUTE				147.6	59.2	10.7	0.0	41.0	155.4
CODA	142.2	142.6	151.6	147.2	62.0	10.6	0.0	43.3	158.4
<i>ARS970278-2</i>				145.5	59.1	10.4	0.0	42.3	156.5
CHUKAR	146.8	149.9	146.9	144.2	58.9	10.9	0.0	40.5	158.8
STEPHENS	148.1	149.2	144.0	144.0	59.7	11.0	0.0	37.5	152.0
WA007934	146.7	147.5	157.6	143.9	60.5	10.5	0.0	41.3	160.3
9364901A				143.9	60.4	11.0	0.0	39.5	156.5
<i>ARS00235</i>	141.7	143.1	151.2	143.7	61.6	10.3	0.0	43.5	158.8
BU6W00-523			143.8	143.7	61.3	10.6	0.0	38.8	155.4
RJAMES		142.8	147.2	143.0	58.6	10.0	0.0	37.3	158.0
MADSEN/ROD			145.6	142.5	59.5	11.4	0.0	40.0	158.4
ELTAN/MADSEN				142.0	60.7	10.8	0.0	42.5	158.4
LAMBERT	147.3	150.5	147.9	141.9	60.1	11.4	0.0	40.0	153.5
BRUEHL	143.6	148.1	147.2	140.6	58.1	11.2	0.0	41.0	159.9
ORI2042037				139.9	59.5	11.1	0.0	40.3	160.3
WA008000			147.1	139.1	60.9	11.2	0.0	42.0	159.9
MOHLER	144.6	143.3	148.3	138.9	60.7	11.3	0.0	40.5	156.1
CARA		152.6	144.3	138.8	58.6	10.8	0.0	38.0	158.4
MADSEN	143.0	147.7	141.2	137.0	60.4	12.0	0.0	39.5	159.1
WB 528	139.8	140.2	135.5	136.5	60.7	11.2	0.0	38.5	151.3
GEORGE		135.8	143.9	135.3	60.7	11.1	0.0	41.8	161.0
9222407A			147.7	134.9	61.2	11.0	0.0	41.8	157.3
CONCEPT		143.6	135.9	134.5	60.4	11.3	0.0	37.8	158.0
CASHUP	138.6	140.7	135.5	134.3	60.3	10.1	0.0	38.5	158.0
BRUNDAGE 96	140.5	144.0	139.1	134.1	59.2	10.9	0.0	38.5	156.5
WA008021				133.7	60.4	11.4	0.0	39.3	159.5
ORCF-102		148.1	145.4	133.0	59.9	11.7	0.0	41.5	156.5
RELY	132.7	129.5	138.7	130.3	59.3	10.7	6.3	43.3	157.6
EDWIN	124.8	116.0	134.1	130.0	61.5	11.2	27.5	46.8	158.0
BZ6WM02-1020			139.0	129.8	60.4	11.4	0.0	40.0	159.9
ORCF-101	138.5	138.5	139.0	129.1	59.9	11.5	0.0	40.0	154.3
MJ-4	143.5	144.5	137.3	127.7	59.2	11.4	0.0	38.0	159.5
BU6W99-456			135.0	123.9	60.9	11.6	0.0	35.0	150.9
ID02-859				123.5	58.4	11.4	0.0	38.0	157.3
WA008020				120.8	59.7	12.2	0.0	37.5	162.1
C.V. %	7.7	9.1	8.1	8.8	0.9	7.8	--	--	--
LSD '@ .10'	5.8	8.9	9.7	14.6	0.7	1.0	--	--	--
Average	143.8	145.2	145.8	141.8	60.1	10.9	0.7	40.6	157.3
Highest	154.6	160.2	162.7	163.6	62.6	12.2	27.5	46.8	162.1
Lowest	124.8	116.0	134.1	120.8	58.1	10.0	0.0	35.0	150.9

PULLMAN 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 Pullman location averaged 141.8 bu/ac that is about 3% less than a previous historical 3-yr average yield. *NOTE: The Pullman nursery was located 8 miles southeast of Pullman, WA on Sand Rd (N. Druffel & Sons farm – adjacent the landing strip). The Soft White Winter and Hard Winter nurseries were co-located.*
2. This nursery was **seeded** on 25 September 2006 on re-crop ground following a 2006 dry spring pea crop using a plot drill with double disc openers, 6-inch spacing, into good soil moisture that was about 1-inch below the surface at a seeding rate of 85#/acre. The base fertilizer rate was 110#N and 30#S with starter fertilizer rate of 16#N, 20#P and 12#S. The soil profile showed 10.04 inches of moisture in the top 4-feet in from a March 2007 soil test which contributed substantially to the yields at this location in spite of below normal precipitation during spring 2007.
3. In general, the cold snap at the end of October 2006 and the 10-day cold-snap in mid-January (11-21 Jan 2007) had minimal winter injury impact. In fact, this nursery had excellent emergence and had good recovery from early spring (March 2007) field evaluations.
4. In contrast to the hard winter nursery that was co-located with the soft white winter nursery, **stripe rust** was not evident on any of the entries in the soft white nursery.
5. **Average yield** range was 120.8 bu/ac to 163.6 bu/ac and yield rankings seemed to bounce around a little at this location compared to the historical 3-yr and 5-yr average yields. Yields of many entries were very similar and there was a 14.6 bu/ac LSD (least significant difference) that suggests that the environmental conditions (mostly moisture related) probably limited separation of many varieties. *(It is kind of like many entries were in groups that hit the same mile marker at the same point and then ran out of gas at the same time).*
6. Wheat quality in terms of **test weight** was good at this location with an average test weight value of 60.1 lbs/bu. As mentioned earlier, cool conditions during the middle part of June coincided well with kernel fill and probably minimized the impact of the heat stress periods at the end of June and into July.
7. **Percent grain protein** had a range of 10.0% to 12.2% with an average of 10.9%.