

2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT CRESTON, 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
XERPHA		128.0	134.6	150.2	59.5	9.3	0	39.0	162.6
<i>ARS970278-2</i>				147.0	59.9	9.6	0	42.8	161.9
TUBBS	120.8	126.7	130.1	146.7	59.2	9.1	0	42.0	160.4
SALUTE				146.5	59.3	9.3	0	41.0	158.5
LAMBERT	110.9	121.4	130.9	143.4	59.9	9.2	0	43.3	159.6
RJAMES		121.7	125.9	142.3	58.8	8.6	0	37.3	161.9
ROD/TUBBS				142.2	59.1	8.4	0	41.0	160.0
9364901A				142.0	60.0	9.0	0	39.3	161.5
ROD	114.0	120.2	127.5	140.2	59.1	8.9	0	38.3	162.3
<i>ARSC96059-1</i>		123.0	126.7	140.0	62.4	10.0	0	42.8	161.1
<i>BRUEHL</i>	113.0	117.3	124.3	138.8	58.2	9.8	0	41.8	163.8
ID990435			119.3	137.7	59.5	9.2	0	45.0	157.4
ORI2042037				137.5	59.6	9.7	0	38.5	161.1
BRUNDAGE 96	113.0	121.1	125.4	137.1	59.9	9.6	0	39.0	158.9
<i>CARA</i>		123.2	125.9	136.9	58.2	8.9	0	36.3	163.4
ID02-859				136.8	58.8	8.4	0	37.3	160.4
ELTAN/TUBBS				136.6	59.4	8.5	0	41.3	159.3
MJ-9	114.8	123.9	128.9	136.5	58.0	9.7	0	37.8	159.3
WB 528	107.8	117.1	127.0	135.5	61.6	9.5	0	38.5	157.0
TUBBS 06			126.0	135.4	58.9	8.8	0	42.0	159.3
MASAMI	115.7	121.4	120.7	135.3	58.7	8.9	0	40.0	163.8
GEORGE		122.5	128.1	135.3	59.4	8.4	0	41.0	164.1
STEPHENS	105.9	109.1	115.6	134.7	60.5	10.0	0	38.0	158.5
9222407A			117.9	133.8	60.6	9.8	0	43.0	162.3
MJ-4	112.4	123.6	122.8	133.7	58.3	9.7	0	38.3	162.3
BU6W00-523			124.1	133.2	60.3	8.6	0	38.8	157.8
ORCF-102		118.0	124.8	132.9	60.7	9.5	0	41.8	158.9
<i>CODA</i>	110.2	114.8	125.7	132.6	61.1	10.1	0	43.8	161.5
MADSEN/ROD			123.4	132.6	59.5	9.0	0	38.8	161.1
WA007934	112.1	120.3	121.3	132.0	60.5	9.2	0	39.5	163.8
MOHLER	111.1	118.5	121.5	131.9	60.0	9.5	0	41.8	158.5
FINCH	112.2	120.9	124.1	131.6	61.2	8.6	0	40.5	163.8
<i>ARS00235</i>	110.0	116.8	122.6	130.5	61.0	9.0	0	43.8	161.5
ELTAN/MADSEN				130.5	60.5	9.7	0	40.3	161.9
CONCEPT		113.9	116.2	130.2	59.4	8.4	0	36.5	158.9
<i>CHUKAR</i>	117.0	122.9	123.9	129.9	58.9	9.2	0	39.3	164.1
AP 700 CL				129.6	60.1	9.7	0	40.5	158.9
SIMON	105.9	119.7	120.2	129.4	59.5	9.6	0	41.5	159.3
IDAHO 587	103.4	106.1	109.9	129.0	60.3	9.7	0	38.0	158.5
WA008020				128.7	58.4	10.3	0	38.8	162.6
ELTAN	108.4	112.9	122.1	127.9	59.9	8.5	0	41.5	163.4
MADSEN	106.1	111.6	113.3	126.3	60.2	9.9	0	40.0	161.9
BZ6WM02-1020			116.4	125.4	60.2	9.7	0	38.0	162.3
WA008021				125.4	60.2	9.6	0	39.3	163.8
WA008000			118.0	124.2	60.8	9.6	0	40.8	160.8
ORCF-101	104.0	110.0	111.8	122.1	60.1	9.6	0	38.0	158.5
CASHUP	106.5	112.4	115.1	121.7	60.5	9.5	0	36.3	160.8
<i>RELY</i>	105.4	105.6	113.2	121.2	59.1	8.7	0	43.8	161.1
BU6W99-456			116.3	121.0	62.7	10.6	0	35.8	157.0
<i>EDWIN</i>	97.6	96.3	105.2	119.4	61.5	9.8	0	47.0	161.1
C.V. %	7.6	7.6	7.3	6.0	0.8	7.6	--	--	--
LSD '@ .10'	4.5	6.1	7.5	9.3	0.5	0.8	--	--	--
Average	109.9	117.5	121.7	133.6	59.9	9.3	0	40.2	160.9
Highest	120.8	128.0	134.6	150.2	62.7	10.6	0	47.0	164.1
Lowest	97.6	96.3	105.2	119.4	58.0	8.4	0	35.8	157.0

CRESTON 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 Creston location averaged 133.6 bu/ac; about 14% above a historical 3-yr average yields. *NOTE: The Creston nursery was located about 8 miles north of Creston, WA (J. Krause farm).*
2. This nursery was **seeded** on 7 September 2006 on fallow ground using a double disc plot drill (6-in opener spacing) at a seeding rate of 85# per acre. The base fertilizer rate was 80#N and 10#S. The nursery had good emergence and was in a 4-5 tiller stage of development on a 24 Oct 2006 field evaluation.
3. 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 and the stand was fairly even coming out of winter probably as a result of above normal precipitation during November 2006.
4. **Yield differences** had a range of 119.4 to 150.2 bu/ac and there are large groupings of varieties/lines that had average yields grouped very closely together and not statistically different (LSD @0.10 was 9.3 bu/ac). Even with the dry spring conditions this is a nursery that seemed to take advantage of the 2-week cool period in June coupled with some timely precipitation. Average heading date at this location was closely associated with this cool period and undoubtedly contributed to being ideal conditions for crop development and kernel fill. As observed in other locations, plant height has been associated with higher yields and the average plant height as this location is above average for most of the varieties.
5. Wheat quality in terms of **test weight** was good and averaged 59.9 lbs/bu, with a range of 58.0 to 62.7 lb/bu that are probably also a function of the cool period in June that allowed kernels to fill before any heat/drought stress.
6. **Average Percent grain protein** was one of the lowest soft white winter nurseries harvested to date at 9.3%.