

2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT FAIRFIELD, 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
ORCF-102		132.5	117.8	116.3	60.3	10.1	0	38.8	161.4
XERPHA		128.6	119.4	113.5	60.0	10.1	0	36.3	165.1
ORI2042037				113.4	59.9	9.9	0	35.8	165.5
ELTAN/TUBBS				113.1	59.3	10.2	0	37.5	162.5
9364901A				113.0	60.6	9.8	0	35.8	163.3
SIMON	114.8	121.6	115.1	112.1	60.4	10.3	0	36.5	161.4
TUBBS	120.9	129.6	116.4	110.0	58.3	10.2	0	38.0	162.1
BU6W00-523			117.2	109.7	61.9	10.2	0	35.8	160.6
WB 528	116.9	118.7	112.0	109.0	61.6	10.4	0	36.0	159.1
ROD	116.9	123.0	113.1	108.5	59.3	9.9	0	33.5	165.9
ID990435			114.4	108.2	58.8	10.3	0	39.8	159.5
ORCF-101	118.1	126.0	113.3	108.1	59.5	10.5	0	37.3	162.1
ELTAN	114.7	121.3	117.4	108.0	61.1	9.6	0	35.8	166.3
ROD/TUBBS				107.7	58.3	10.0	0	37.5	162.9
RJAMES		126.7	114.5	107.5	58.6	9.4	0	32.8	165.9
SALUTE				107.4	57.9	10.4	0	36.0	161.4
ARS00235	116.0	123.7	115.0	107.3	60.2	9.6	0	38.8	165.5
WA008000			113.2	107.2	60.1	10.2	0	37.0	165.1
AP 700 CL				107.1	59.3	10.5	0	36.3	160.6
BRUNDAGE 96	115.0	125.2	118.5	107.0	59.4	10.1	0	35.5	161.4
ID02-859				107.0	58.1	10.0	0	33.3	162.1
MOHLER	119.0	126.9	115.2	106.7	60.2	10.7	0	37.0	161.8
CODA	116.0	118.6	111.1	106.4	61.0	9.8	0	37.3	164.4
GEORGE		122.8	118.7	106.2	59.6	10.3	0	36.0	168.5
MADSEN/ROD			113.7	106.2	59.5	10.0	0	35.3	164.0
9222407A			111.9	105.4	60.8	9.9	0	38.8	163.6
TUBBS 06			118.8	105.2	58.7	10.4	0	37.8	162.9
ARSC96059-1		119.3	106.7	104.7	60.8	10.3	0	40.0	163.3
LAMBERT	116.8	123.0	109.7	104.6	60.6	10.4	0	37.8	159.5
MASAMI	112.2	119.4	115.1	104.0	59.9	9.7	0	34.5	166.3
MJ-9	113.0	117.3	105.2	103.5	56.9	10.0	0	34.5	162.5
ELTAN/MADSEN				103.3	59.8	10.1	0	36.0	165.5
WA007934	109.4	116.8	109.3	102.3	60.5	10.0	0	34.5	168.1
CONCEPT		118.3	103.5	102.3	61.0	10.0	0	34.5	163.6
STEPHENS	113.7	120.9	111.5	102.2	60.1	10.6	0	35.3	159.9
BU6W99-456			108.2	101.6	62.6	11.6	0	32.3	159.1
MADSEN	113.2	117.4	111.3	101.5	60.4	10.1	0	36.5	164.0
WA008020				100.6	59.4	10.2	0	33.0	168.9
BZ6WM02-1020			105.4	100.1	60.4	9.9	0	34.3	164.8
BRUEHL	112.0	119.8	109.4	99.9	57.5	10.5	0	35.5	167.4
WA008021				99.9	60.2	10.0	0	35.5	166.6
CHUKAR	111.8	116.9	107.5	98.8	58.4	10.3	0	34.5	167.8
RELY	110.5	112.2	107.4	98.7	60.2	10.1	0	36.0	164.4
FINCH	109.0	114.3	103.5	96.5	60.9	10.1	0	33.5	168.5
IDAHO 587	116.1	118.9	102.7	96.2	59.1	10.9	0	34.5	160.6
EDWIN	99.3	102.8	103.8	96.0	60.6	10.2	0	38.5	164.4
MJ-4	106.3	115.8	101.9	95.4	57.8	10.7	0	32.5	166.6
CASHUP	112.0	117.9	102.6	95.1	61.0	10.1	0	32.8	164.4
CARA		118.4	108.2	92.1	58.2	10.5	0	32.8	166.3
ARS970278-2				90.5	59.4	10.2	0	36.0	162.1
C.V. %	8.0	8.0	7.7	7.3	1.2	3.6	--	--	--
LSD '@ .10'	4.8	6.4	7.0	8.9	0.9	0.4	--	--	--
Average	113.5	120.5	111.3	104.5	59.8	10.2	0	35.8	163.8
Highest	120.9	132.5	119.4	116.3	62.6	11.6	0	40.0	168.9
Lowest	99.3	102.8	101.9	90.5	56.9	9.4	0	32.3	159.1

FAIRFIELD 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 Fairfield location averaged 104.5 bu/ac; about 9.3% below a historical 3-yr average yield. *NOTE: This nursery was located, approximately 8 miles west of Fairfield, WA on Darknell Rd (Al Anderberg farm).*
2. This nursery was **seeded** on 4 October 2006 on re-crop ground following lentils using a double disc plot drill (6-in opener spacing) at a seeding rate of 85# per acre. The base fertilizer rate was 105#N and 10#S.
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 90.5 to 116.3 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 8.9 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 yield ranking seemed to track with the 3-yr historical yield rankings. Another variety feature that has been noted at the Fairfield location over years is that Clearfield varieties/lines seem to be well adapted to conditions in this area. That was also the case in this year's nursery where 6 (ORCF-102, OR12042037, ID990435, ORCF-101, AP700 CL and IDO2-859) of 8 Clearfield entries tested were statistically equal in yield to the highest yielding variety (ORCF-102). Two other Clearfield entries (BZ6WM02-1020 and Idaho 587) had slightly lower yields. Whether this trend is real and could be a function of either facultative parentage in IMI wheat varieties or tolerance to IMI class residual herbicides in the soil is still undetermined.
5. Wheat quality in terms of **test weight** was good and averaged 59.8 lbs/bu, with a range of 56.9 to 62.6 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 10.2%.