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

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007 YIELD (BU/A)	2007 TEST WT (LBS/BU)	2007 PROTEIN (%)	2007 LODGING (%)	2007 PLANT HT	2007 HEAD DATE
ORCF-102		139.7	139.7	135.1	57.1	13.1	0.0	45.5	157.3
ELTAN/TUBBS				131.4	55.0	12.3	0.0	44.0	157.6
ID990435			134.7	130.9	55.9	12.0	2.5	46.8	156.1
AP 700 CL				129.9	55.8	12.0	0.0	43.0	155.8
IDAHO 587	129.3	124.8	127.2	127.1	55.7	12.2	0.0	41.0	155.0
TUBBS	137.8	138.9	136.2	125.4	54.0	12.2	0.0	43.5	156.9
ROD	132.4	132.1	132.1	122.7	53.1	12.5	0.0	40.5	159.1
ROD/TUBBS				122.0	54.6	11.9	0.0	41.8	158.4
BU6W00-523			129.7	121.1	56.1	12.9	0.0	42.5	156.5
SALUTE				120.3	53.5	12.4	0.0	43.8	158.0
BU6W99-456			125.8	119.9	57.6	13.3	0.0	37.8	153.9
ELTAN/MADSEN				118.8	56.5	12.1	0.0	42.8	159.9
SIMON	129.9	130.6	125.3	116.8	55.8	12.5	0.0	41.5	158.4
WB 528	135.0	133.9	127.1	115.7	57.9	12.4	0.0	39.5	153.9
9364901A				115.6	54.4	12.8	0.0	40.0	159.1
FINCH	127.7	125.7	123.9	114.7	57.6	12.1	0.0	40.0	161.4
LAMBERT	128.9	130.2	126.9	114.1	54.9	12.4	0.0	44.0	158.0
CODA	124.5	122.5	122.5	113.8	58.6	12.2	12.5	42.3	159.9
XERPHA		132.4	129.6	113.2	54.3	12.8	0.0	41.3	160.6
BZ6WM02-1020			130.0	112.6	54.6	12.5	0.0	40.8	159.1
BRUNDAGE 96	120.2	121.8	114.4	111.9	55.0	12.8	0.0	39.8	158.4
STEPHENS	125.7	120.5	123.3	111.6	54.1	12.7	0.0	40.0	155.8
ORCF-101	129.3	128.6	121.2	111.6	55.4	13.2	0.0	42.3	157.6
CASHUP	129.2	126.9	123.6	110.4	55.8	12.5	0.0	37.8	159.5
MASAMI	112.3	107.6	108.4	109.4	53.4	12.7	0.0	42.8	161.4
MADSEN/ROD			117.3	106.6	53.3	13.4	0.0	41.0	159.5
MOHLER	118.5	117.1	115.2	106.2	53.3	13.2	2.5	41.8	158.0
TUBBS 06			122.7	105.2	52.1	13.4	0.0	42.0	158.8
CONCEPT		128.1	125.8	105.1	55.8	12.2	0.0	37.8	159.5
WA008000			116.0	104.8	55.6	13.2	0.0	42.5	161.4
ARS970278-2				103.8	54.7	12.8	0.0	40.0	158.4
MADSEN	124.9	122.3	118.4	103.5	54.1	13.6	0.0	40.5	160.6
CHUKAR	130.1	125.3	121.2	103.2	54.6	12.9	0.0	39.0	160.6
ARS00235	124.2	119.0	118.2	103.0	56.7	12.7	12.5	43.5	160.6
9222407A			118.2	102.6	56.1	13.0	0.0	43.5	159.1
MJ-9	125.4	126.3	123.6	102.1	52.5	12.8	0.0	39.0	159.1
CARA		120.8	112.1	100.3	52.8	13.3	0.0	37.3	159.5
ARSC96059-1		114.9	110.9	100.0	57.1	13.5	0.0	42.0	159.1
ID02-859				99.9	52.1	13.6	0.0	39.8	158.8
ORI2042037				98.2	54.4	12.9	5.0	43.0	162.1
WA008021				96.8	53.9	13.7	0.0	40.3	161.4
RELY	122.0	116.5	112.4	96.3	55.6	12.7	18.8	42.3	159.1
RJAMES		111.9	114.2	96.2	51.7	12.6	2.5	37.3	160.3
WA007934	117.0	109.9	111.6	95.2	55.0	13.2	0.0	40.0	162.1
BRUEHL	125.5	121.7	113.9	95.1	52.3	13.7	0.0	40.8	162.5
MJ-4	118.1	117.1	109.9	91.3	52.3	13.5	0.0	37.8	161.8
WA008020				88.5	51.6	14.1	0.0	37.8	162.5
GEORGE		107.7	104.1	86.8	54.8	13.8	27.5	42.5	162.1
ELTAN	110.4	101.7	101.6	84.1	54.0	13.2	6.3	41.5	162.1
EDWIN	102.1	100.1	103.1	83.7	57.5	12.7	20.0	44.8	159.5
C.V. %	9.2	9.5	10.3	14.3	3.2	6.5	- -	- -	- -
LSD '@ .10'	5.9	7.7	10.2	18.2	2.1	1.0	- -	- -	- -
Average	124.2	121.8	120.3	108.7	54.8	12.8	2.2	41.3	159.1
Highest	137.8	139.7	139.7	135.1	58.6	14.1	27.5	46.8	162.5
Lowest	102.1	100.1	101.6	83.7	51.6	11.9	0.0	37.3	153.9

FARMINGTON 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 Farmington location averaged 108.7 bu/ac; about 15.5% below a historical 3-yr average yield. *NOTE: This nursery was located, approximately 5 miles south of Farmington, WA on Farmington-Garfield Rd (B. Nelson farm).*
2. This nursery was **seeded** on 29 Sep 2006 on re-crop ground following lentils using a no-till plot drill (cross-slot openers, 10-in opener spacing) at a seeding rate of 85# per acre. The base fertilizer rate was 106#N, 20#P and 20#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 83.7 to 135.1 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 18.2 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. . There are two features of this nursery that appear to show some trends: (1) later maturing varieties, especially those prone to lodging tended to have the lowest yields and the 18-19 Aug 2007 rain storms aggravated both the degree of lodging and reduction in test weight. (2) Clearfield varieties/lines seem to be well adapted to conditions in this area. This is a similar trend noted in the Fairfield SWH winter wheat nursery and winter wheat rotations in both Farmington and Fairfield were with lentils. Even though there was no statistical average yield differences, four of the five highest yielding entries in the Farmington nursery were Clearfield entries (ORCF-102, ID990435, AP700 CL and Idaho 587). 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. Overall, average yield ranking among entries seemed to track with the 3-yr historical yield rankings.
5. Wheat quality in terms of **test weight** was only averaged 54.8 lbs/bu, with a range of 51.6 to 58.6 lb/bu that are probably influenced most by lodging and the 18-19 Aug 2007 rain event that always has a significant impact on test weight at this location.
6. **Average Percent grain protein** was 1012.8% and influenced by low test weight values.