

**2005 VARIETY TESTING  
WASHINGTON STATE UNIVERSITY  
FAIRFIELD WINTER WHEAT NURSERY**

VARIETY NAME	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2005 YIELD (BU/A)	2005 TEST WT. (LBS/BU)	2005 PROTEIN (%)
TUBBS	113.5 ( 1)	123.9 ( 2)	123.8 ( 2)	155.9 ( 3)	54.6	9.6
MOHLER	111.0 ( 2)	121.6 ( 3)	121.3 ( 6)	150.4 ( 7)	61.0	10.1
CODA	110.6 ( 3)	119.2 ( 8)	119.4 (11)	133.7 (28)	61.4	10.5
LAMBERT	110.5 ( 4)	121.6 ( 4)	121.2 ( 7)	149.4 ( 9)	60.4	9.9
ROD	110.0 ( 5)	119.4 ( 7)	120.5 ( 8)	142.8 (17)	59.6	9.7
CASHUP	107.6 ( 6)	118.3 ( 9)	121.5 ( 5)	148.6 (11)	60.7	9.5
CHUKAR	107.6 ( 7)	114.6 (15)	111.1 (23)	135.9 (26)	60.1	9.8
MADSEN	107.4 ( 8)	114.5 (17)	113.1 (21)	129.6 (35)	60.0	11.0
HILL 81	107.3 ( 9)	117.9 (11)	119.9 ( 9)	148.7 (10)	61.5	10.2
MJ-9	107.3 (10)	118.1 (10)	119.7 (10)	141.4 (18)	59.5	9.8
BRUEHL	106.6 (11)	113.7 (18)	113.6 (18)	140.5 (20)	58.2	10.1
HILLER	104.6 (12)	112.1 (23)	108.5 (33)	129.2 (36)	58.2	9.8
ALBION	104.6 (13)	115.4 (13)	117.8 (13)	150.2 ( 8)	60.8	10.1
RELY	104.2 (14)	112.6 (22)	109.8 (27)	121.8 (45)	60.4	9.7
ELTAN	103.9 (15)	112.8 (19)	111.0 (24)	129.0 (38)	60.7	9.9
FINCH	103.7 (16)	112.7 (21)	109.5 (29)	135.9 (25)	61.2	10.1
HUBBARD	102.7 (17)	111.4 (24)	113.2 (20)	139.6 (22)	61.2	10.0
BRUNDAGE 96	102.5 (18)	112.8 (20)	116.1 (16)	138.7 (23)	60.3	10.2
STEPHENS	102.4 (19)	115.1 (14)	113.5 (19)	139.7 (21)	61.5	10.3
MJ-4	100.6 (20)	109.2 (29)	110.2 (26)	143.5 (16)	59.7	9.9
LEWJAIN	96.5 (21)	101.5 (30)	100.5 (36)	113.9 (47)	59.6	10.1
EDWIN	92.4 (22)	96.3 (31)	92.0 (37)	100.7 (48)	61.6	11.3
IDAHO 587	---	125.0 ( 1)	123.6 ( 4)	151.3 ( 5)	61.4	10.6
ORCF-101	---	121.3 ( 5)	123.6 ( 3)	151.4 ( 4)	61.4	10.8
WB 528	---	120.2 ( 6)	117.4 (14)	132.1 (29)	62.0	10.7
ARS00235	---	116.7 (12)	114.0 (17)	141.0 (19)	61.4	10.4
SIMON	---	114.6 (16)	110.4 (25)	134.5 (27)	60.8	10.7
DUNE	---	110.7 (25)	109.0 (31)	125.2 (42)	60.5	9.9
WA7935	---	110.3 (26)	108.1 (34)	122.5 (44)	60.0	9.5
MASAMI	---	110.2 (27)	109.0 (32)	128.0 (39)	59.2	10.0
WA7934	---	109.5 (28)	108.1 (35)	131.9 (30)	60.7	9.7
F1182 M1-10	---	---	130.8 ( 1)	160.6 ( 2)	58.8	10.3
RJAMES	---	---	118.9 (12)	151.0 ( 6)	58.4	9.4
CONCEPT	---	---	116.8 (15)	147.8 (12)	60.4	9.3
ARS97135-9	---	---	111.5 (22)	138.5 (24)	59.7	9.9
GEORGE	---	---	109.5 (28)	131.1 (33)	60.1	10.2
ARS97173-16	---	---	109.1 (30)	131.5 (31)	60.5	10.0
ORCF-102	---	---	---	161.9 ( 1)	61.4	10.1
WA7973	---	---	---	147.1 (13)	60.6	9.9
ORSS-1757	---	---	---	146.7 (14)	60.1	9.7
ARS96059-1	---	---	---	144.6 (15)	62.8	10.8
ARS00127	---	---	---	131.4 (32)	61.2	10.5
ARS960411-2	---	---	---	130.3 (34)	61.9	11.2
WA7974	---	---	---	129.2 (37)	59.8	9.4
WA7970	---	---	---	126.3 (40)	61.5	11.0
ID620	---	---	---	126.0 (41)	60.8	9.9
WA7972	---	---	---	122.7 (43)	58.8	9.8
WA7971	---	---	---	119.0 (46)	58.8	9.8
<b>Mean</b>	105.3	114.6	114.2	137.1	60.3	10.1
<b>CV%</b>	8.1	8.3	9.3	8.2	2.7	5.3
<b>LSD @ .10</b>	4.4	6.4	8.7	13.2	1.9	0.6

**FAIRFIELD SOFT WHITE WINTER WHEAT – 2005 WSU VARIETY TESTING DATA**

- 2005 Soft Winter Wheat YIELD DATA from the WSU Variety Testing nursery at the Fairfield location averaged 137.1 bu/ac and was higher than the historical 3-year average (97.0 bu/ac) by 23.1% (22.5 bu/ac)  
*NOTE: The Fairfield nursery was located approximately 1 miles north of Fairfield, WA off SR-27 (A/. Andeberg farm).*
- This nursery was planted on 20 September 2004 following a spring 2004 lentil crop. Fall 2004 GROWING CONDITIONS coupled with a mild winter and timely precipitation patterns in late spring 2005 undoubtedly

were ideal for winter wheat development in this region for the 2005 crop.

3. STRIPE RUST and LODGING were generally not an issue in this soft white winter wheat nursery.
4. In contrast to many other soft white winter wheat nurseries, average PLANT HEIGHT of all varieties in the soft white winter nursery was only slightly higher than the previous year (37.3 inches in 2005 compared to 35.1 inches in 2004). Average HEADING DATE was slightly earlier (about 3 days) than in 2004 (13 June in 2005 and 16 June in 2004).
5. YIELD RANKING trends among many varieties at this location seemed to track fairly well with historical yield rankings. This was a nursery where early spring regrowth capacity of individual varieties contributed to higher yields. For example, spring regrowth ratings taken on 15 April 2005 for the 10 highest yielding varieties was 8.0 compared to 5.3 for the 10 lowest yielding soft white winter wheat varieties. *(NOTE: Spring regrowth ratings are on a 1 (poor regrowth) to 10 (excellent regrowth) scale. Regrowth ratings for selected varieties were: ORCF-102 (9.8), Madsen (6.5), Eltan (5.5), Lewjain (5.8) and Edwin (5.5).* The unique 2005 growing season that consisted of below normal precipitation throughout most of the winter and into the late spring before above normal May 2005 precipitation apparently favored varieties that had earlier spring regrowth capacity.
6. TEST WEIGHT and PROTEIN values were generally good at this location for soft white market class of wheat.