

**2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
ST. JOHN 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 (%)
CHUKAR	141.1 (1)	147.6 (1)	138.4 (2)	113.9 (6)	60.5	9.6
HILL 81	136.7 (2)	142.7 (4)	137.5 (4)	110.4 (11)	61.4	10.8
MJ-9	136.6 (3)	142.4 (5)	137.8 (3)	121.2 (3)	58.9	10.4
TUBBS	135.2 (4)	143.0 (2)	136.1 (7)	104.9 (13)	59.5	9.9
HUBBARD	135.1 (5)	142.3 (6)	135.4 (10)	101.6 (16)	60.6	9.8
FINCH	134.6 (6)	141.6 (7)	137.1 (6)	111.3 (9)	61.4	10.2
ROD	134.0 (7)	137.5 (10)	126.1 (17)	89.4 (25)	59.2	9.9
LAMBERT	133.3 (8)	133.9 (15)	122.3 (19)	102.6 (14)	59.8	10.6
STEPHENS	133.1 (9)	142.7 (3)	136.1 (8)	119.0 (4)	60.4	11.2
MJ-4	133.0 (10)	135.1 (12)	127.3 (14)	98.3 (18)	58.6	9.9
CASHUP	131.7 (11)	133.2 (17)	126.4 (16)	97.0 (19)	61.2	10.5
ALBION	130.9 (12)	139.5 (8)	135.5 (9)	111.2 (10)	58.4	10.3
MOHLER	126.9 (13)	125.3 (23)	119.2 (23)	76.8 (38)	60.2	11.0
HILLER	126.9 (14)	125.4 (22)	109.4 (33)	69.4 (41)	57.7	10.2
BRUNDAGE 96	126.8 (15)	129.5 (19)	120.3 (22)	90.8 (24)	59.2	11.3
MADSEN	126.6 (16)	132.6 (18)	129.7 (12)	112.1 (8)	60.4	11.3
BRUEHL	125.9 (17)	126.9 (21)	116.5 (25)	76.2 (39)	57.5	10.5
CODA	125.0 (18)	124.4 (25)	115.7 (27)	87.1 (27)	61.6	10.8
RELY	124.9 (19)	127.9 (20)	116.4 (26)	77.6 (37)	59.9	10.3
ELTAN	120.3 (20)	121.1 (27)	110.7 (31)	70.5 (40)	59.7	10.0
LEWJAIN	114.2 (21)	115.2 (30)	103.3 (35)	62.3 (44)	59.1	10.6
EDWIN	101.7 (22)	95.5 (31)	84.6 (37)	50.6 (48)	61.7	10.5
ORCF-101	---	139.0 (9)	137.4 (5)	123.9 (1)	60.4	10.7
SIMON	---	135.8 (11)	129.7 (13)	116.5 (5)	60.5	10.8
MASAMI	---	134.9 (13)	126.9 (15)	96.2 (20)	59.3	10.5
IDAHO 587	---	134.5 (14)	130.0 (11)	112.5 (7)	60.6	10.9
DUNE	---	133.7 (16)	122.2 (20)	93.5 (21)	59.1	10.7
ARS00235	---	124.9 (24)	112.8 (29)	84.8 (30)	60.7	11.1
WB 528	---	124.4 (26)	117.7 (24)	80.0 (34)	61.5	11.7
WA7935	---	120.9 (28)	112.9 (28)	83.3 (31)	59.9	10.2
WA7934	---	120.6 (29)	110.1 (32)	67.2 (43)	59.4	10.3
ARS97135-9	---	---	145.1 (1)	122.6 (2)	60.5	10.3
CONCEPT	---	---	124.1 (18)	102.4 (15)	61.0	10.6
RJAMES	---	---	121.5 (21)	81.8 (32)	58.2	10.2
ARS97173-16	---	---	112.2 (30)	79.5 (36)	59.8	10.3
GEORGE	---	---	104.4 (34)	60.0 (45)	60.0	10.7
F1182 M1-10	---	---	96.2 (36)	51.5 (47)	57.0	11.5
ARS96059-1	---	---	---	107.2 (12)	62.5	10.8
ORCF-102	---	---	---	101.3 (17)	60.0	10.8
ORSS-1757	---	---	---	92.2 (22)	59.0	10.3
ARS960411-2	---	---	---	91.6 (23)	60.5	11.5
ARS00127	---	---	---	88.0 (26)	61.2	10.6
WA7970	---	---	---	85.5 (28)	60.8	11.5
WA7972	---	---	---	85.4 (29)	58.4	10.4
WA7971	---	---	---	80.4 (33)	58.0	10.5
WA7973	---	---	---	79.6 (35)	60.5	10.4
WA7974	---	---	---	68.7 (42)	58.7	10.3
ID620	---	---	---	58.3 (46)	59.5	10.3
Mean	128.8	131.4	122.3	90.6	59.9	10.6
CV%	9.5	10.6	12.8	18.7	1.4	6.0
LSD @ .10	6.4	9.4	13.0	19.9	1.0	0.7

ST JOHN SOFT WHITE WINTER WHEAT – 2005 WSU VARIETY TESTING DATA

- 2005 Soft Winter Wheat YIELD DATA from the WSU Variety Testing nursery at the St John location averaged 90.6/ac and was 37% below the 3-year historical average for this location. LODGING was the major contributor to yields lower yields in 2005. There was a strong relationship to reduced yields with increased lodging. This nursery was planted on summer fallow and had excellent emergence in the fall 2004. Growing conditions were ideal at the St John location and lodging was observed late in the spring 2005 and continued to harvest due to the weather conditions. As noted in the data set, all varieties experienced some

level of lodging. In contrast, in 2004, only seven varieties lodged at this location. For example, Madsen averaged 36% lodged in 2005 compared to no lodging in 2004.

2. STRIPE RUST infections were negligible at this nursery and high temperature – adult plant resistance overcame the majority of infections that appeared in the resistant varieties.
3. In contrast to many nurseries, average PLANT HEIGHT values were similar to previous years; again this is probably a result of the impact of lodging that probably restricted plant growth.
4. YIELD RANKING trends among varieties at this location remained fairly consistent with the historical yield rankings. Yield comparisons for this nursery should look at the 3-year or 5-yr average values for the best trends in variety performance.