

[Notes](#)

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
REARDAN SOFT WHITE/CLUB SPRING 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 (%)
EDEN	63.5 (1)	54.7 (5)	54.0 (7)	41.2 (12)	58.6	10.9
NICK	62.7 (2)	56.7 (2)	59.4 (1)	47.5 (3)	58.5	11.1
ALPOWA	61.7 (3)	54.4 (6)	54.0 (6)	41.8 (11)	56.9	11.6
WAWAWAI	59.4 (4)	51.8 (7)	51.9 (8)	39.8 (14)	57.5	11.7
ALTURAS	59.1 (5)	55.3 (4)	57.1 (4)	44.8 (5)	57.4	10.9
ZAK	50.9 (6)	40.3 (8)	37.5 (10)	25.4 (16)	54.5	12.4
PENAWAWA	49.3 (7)	38.7 (9)	34.7 (11)	24.3 (17)	54.9	12.1
EDWALL	49.1 (8)	37.3 (10)	33.1 (12)	21.8 (18)	49.2	12.1
FIELDER	44.7 (9)	32.9 (11)	27.1 (13)	16.2 (20)	53.5	12.1
LOUISE	---	57.3 (1)	58.2 (3)	50.7 (1)	56.6	11.6
WAKANZ	---	56.0 (3)	58.2 (2)	50.0 (2)	56.5	11.8
WA7964	---	---	54.7 (5)	43.7 (7)	55.9	11.1
WA7952	---	---	51.9 (9)	39.7 (15)	57.9	10.9
ID632	---	---	---	46.7 (4)	59.0	10.1
WA7987	---	---	---	43.8 (6)	57.0	12.6
WA7963	---	---	---	43.4 (8)	56.6	11.8
WA7986	---	---	---	43.3 (9)	57.2	12.5
WA7983	---	---	---	42.7 (10)	55.4	11.4
WA7960	---	---	---	40.3 (13)	56.7	11.7
WQL7PENWX-2	---	---	---	21.6 (19)	54.8	11.9
NURSERY MEAN	55.6	48.7	48.6	38.4	56.2	11.6
CV %	9.4	8.3	9	8.5	1.4	3.9
LSD @ .10	3.2	3.2	4.2	4.5	1.1	0.6

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
REARDAN HARD WHITE SPRING 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 (%)
LOLO	59.0 (1)	54.8 (3)	56.0 (5)	42.8 (7)	54.6	14.6
ID377S	57.9 (2)	55.7 (2)	59.4 (2)	46.3 (5)	55.2	15.3
MACON	52.8 (3)	47.6 (5)	49.6 (6)	36.2 (9)	53.2	14.2
BLANCA GRANDE	---	58.1 (1)	61.6 (1)	51.1 (3)	58.8	14.6
OTIS	---	53.3 (4)	56.2 (4)	46.0 (6)	55.6	14.1
ID597	---	---	58.1 (3)	49.8 (4)	53.4	14.2
BZ98-447W	---	---	---	55.8 (1)	53.4	14.4
WA7991	---	---	---	52.2 (2)	56.9	14.5
WA7957	---	---	---	42.2 (8)	52.4	15.0
WINSOME	---	---	---	29.9 (10)	50.3	14.0
NURSERY MEAN	56.6	53.9	56.8	45.2	54.4	14.5
CV %	6.4	5.8	5.6	6.0	1.6	3.1
LSD @ .10	2.3	2.5	3.2	3.9	1.2	0.6

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
REARDAN HARD RED SPRING 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 (%)
HANK	59.0 (1)	56.5 (1)	58.4 (1)	50.9 (3)	53.1	16.2
JEFFERSON	57.5 (2)	54.8 (3)	56.4 (6)	49.1 (8)	55.2	16.3
WESTBRED 926	56.2 (3)	54.0 (5)	56.7 (5)	48.9 (10)	53.9	16.3
TARA 2002	56.0 (4)	54.4 (4)	57.5 (3)	52.5 (1)	56.0	15.8

SCARLET	53.1 (5)	49.9 (6)	48.8 (9)	38.6 (16)	53.1	15.7
HOLLIS	50.4 (6)	48.8 (7)	50.0 (8)	47.3 (14)	53.8	17.5
JEROME	---	55.1 (2)	55.9 (7)	48.9 (9)	53.8	15.4
GMG BUCK PRONTO	---	---	57.9 (2)	51.4 (2)	55.8	17.0
ID593	---	---	57.4 (4)	49.6 (4)	53.9	15.1
WA7995	---	---	---	49.3 (5)	53.7	16.2
WA7997	---	---	---	49.3 (6)	54.6	16.1
BZ999-339	---	---	---	49.3 (7)	53.7	16.5
SX1504B	---	---	---	48.6 (11)	54.9	16.0
WA7998	---	---	---	48.4 (12)	54.2	16.2
WA7994	---	---	---	47.8 (13)	53.8	16.4
BZ999-592	---	---	---	45.4 (15)	54.5	16.7

NURSERY MEAN	55.4	53.3	55.5	48.5	54.3	16.2
CV %	9.2	7.6	8.1	6.3	1.5	2.1
LSD @ .10	3.1	3.2	4.4	4.2	1.1	0.5

REARDAN SPRING WHEAT – 2005 WSU VARIETY TESTING DATA

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Reardan location averaged 38.4, 45.27, and 48.5 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were lower by 31.7%, 23.2% and 11.1% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This nursery was planted re-crop following a 2004 winter wheat crop.
2. STRIPE RUST infections were present in this nursery and most notable were susceptible varieties such as Zak, Penawawa, Edwall, Fielder, Winsome and Scarlet that exhibited substantial yield and test weight reductions.
3. Overall TEST WEIGHT values were low, probably influenced by late season dry soil conditions coupled with fairly shallow root distribution caused by seasonal May/June 2005 precipitation patterns that allowed roots to survive on surface moisture and limited development to deeper soil depths. The shallow root development was most detrimental during grain fill when roots were sitting in dry soil.
4. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings but it was apparent that stripe rust resistance is an important consideration in varietal selection for this area.