

[Notes](#)

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
FARMINGTON 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 (%) |
|--------------|-----------------------------|-----------------------------|-----------------------------|-------------------------|------------------------------|------------------------|
| ALPOWA | 89.7 (1) | 91.6 (2) | 106.6 (1) | 69.5 (3) | 58.8 | 10.6 |
| NICK | 87.5 (2) | 92.1 (1) | 103.7 (2) | 76.8 (1) | 56.9 | 11.6 |
| WAWAWAI | 85.3 (3) | 87.1 (5) | 98.0 (4) | 61.3 (11) | 57.3 | 11.4 |
| EDEN | 85.2 (4) | 91.5 (3) | 102.0 (3) | 58.5 (13) | 57.2 | 10.8 |
| ALTURAS | 82.5 (5) | 83.6 (8) | 96.0 (8) | 51.5 (18) | 56.5 | 11.3 |
| ZAK | 81.9 (6) | 84.2 (7) | 96.8 (7) | 63.1 (7) | 56.2 | 11.5 |
| EDWALL | 73.8 (7) | 76.5 (10) | 89.4 (11) | 53.8 (15) | 52.5 | 11.0 |
| FIELDER | 73.2 (8) | 71.7 (11) | 82.0 (13) | 43.1 (20) | 56.4 | 11.6 |
| PENAWAWA | 72.3 (9) | 76.8 (9) | 89.4 (12) | 51.9 (17) | 55.7 | 11.7 |
| LOUISE | --- | 87.7 (4) | 94.2 (10) | 66.7 (5) | 56.1 | 10.9 |
| WAKANZ | --- | 84.8 (6) | 97.0 (6) | 68.1 (4) | 54.7 | 11.4 |
| WA7964 | --- | --- | 98.0 (5) | 62.3 (9) | 56.1 | 10.7 |
| WA7952 | --- | --- | 94.3 (9) | 53.2 (16) | 58.1 | 11.0 |
| ID632 | --- | --- | --- | 75.1 (2) | 58.7 | 10.1 |
| WA7983 | --- | --- | --- | 66.3 (6) | 55.5 | 11.5 |
| WA7960 | --- | --- | --- | 62.9 (8) | 55.9 | 11.5 |
| WA7963 | --- | --- | --- | 61.4 (10) | 55.8 | 11.2 |
| WA7987 | --- | --- | --- | 59.8 (12) | 56.7 | 12.7 |
| WA7986 | --- | --- | --- | 58.1 (14) | 56.9 | 12.8 |
| WQL7PENWX-2 | --- | --- | --- | 49.9 (19) | 57 | 10.8 |
| NURSERY MEAN | 81.3 | 84.3 | 96 | 60.7 | 56.5 | 11.3 |
| CV % | 7.8 | 7.6 | 7.6 | 8.7 | 1.4 | 4.1 |
| LSD @ .10 | 3.9 | 5.0 | 7.0 | 7.2 | 1.1 | 0.6 |

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
FARMINGTON 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 | 85.8 (1) | 86.9 (1) | 95.6 (2) | 59.6 (6) | 55.2 | 13.7 |
| MACON | 80.8 (2) | 82.9 (4) | 94.8 (3) | 63.2 (3) | 53.9 | 13.3 |
| ID377S | 78.6 (3) | 80.2 (5) | 91.8 (5) | 54.1 (9) | 54.0 | 14.2 |
| BLANCA GRANDE | --- | 84.9 (2) | 98.1 (1) | 69.2 (2) | 57.2 | 14.0 |
| OTIS | --- | 83.7 (3) | 94.0 (4) | 59.0 (8) | 54.7 | 13.7 |
| ID597 | --- | --- | 90.3 (6) | 62.9 (4) | 51.0 | 14.1 |
| BZ98-447W | --- | --- | --- | 76.2 (1) | 52.0 | 14.2 |
| WA7991 | --- | --- | --- | 62.8 (5) | 57.0 | 13.2 |
| WA7957 | --- | --- | --- | 59.4 (7) | 53.5 | 13.5 |
| WINSOME | --- | --- | --- | 50.5 (10) | 51.2 | 13.2 |
| NURSERY MEAN | 81.7 | 83.7 | 94.1 | 61.7 | 54.0 | 13.7 |
| CV % | 9.6 | 9.0 | 9.5 | 6.7 | 2.0 | 3.2 |
| LSD @ .10 | 4.9 | 6.0 | 8.9 | 5.8 | 1.5 | 0.6 |

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
FARMINGTON 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 | 83.1 (1) | 89.6 (1) | 102.6 (2) | 66.3 (4) | 49.6 | 16.6 |
| JEFFERSON | 82.4 (2) | 85.4 (2) | 98.2 (3) | 64.6 (7) | 53.5 | 16.1 |
| SCARLET | 80.5 (3) | 83.0 (5) | 93.8 (7) | 54.2 (16) | 51.4 | 16.6 |
| TARA 2002 | 79.7 (4) | 81.3 (6) | 91.6 (8) | 64.1 (8) | 52.7 | 16.3 |

| | | | | | | |
|------------------------|-----------|-----------|------------|-----------|------|------|
| WESTBRED 926 | 78.9 (5) | 83.9 (3) | 94.6 (6) | 70.5 (1) | 53.3 | 15.9 |
| HOLLIS | 75.6 (6) | 75.1 (7) | 83.5 (9) | 59.1 (13) | 53.9 | 16.6 |
| JEROME | --- | 83.3 (4) | 94.6 (5) | 65.3 (5) | 51.4 | 15.5 |
| ID593 | --- | --- | 103.2 (1) | 66.4 (3) | 52.9 | 15.4 |
| GMG BUCK PRONTO | --- | --- | 97.9 (4) | 68.8 (2) | 53.9 | 16.7 |
| BZ999-339 | --- | --- | --- | 65.0 (6) | 50.2 | 16.7 |
| WA7998 | --- | --- | --- | 63.8 (9) | 51.7 | 16.3 |
| WA7997 | --- | --- | --- | 61.9 (10) | 52.0 | 16.8 |
| SX1504B | --- | --- | --- | 59.7 (11) | 53.4 | 15.8 |
| WA7994 | --- | --- | --- | 59.5 (12) | 53.4 | 16.0 |
| BZ999-592 | --- | --- | --- | 57.2 (14) | 53.4 | 16.4 |
| WA7995 | --- | --- | --- | 55.8 (15) | 51.8 | 17.1 |
| NURSERY MEAN | 80.0 | 83.1 | 95.5 | 62.6 | 52.4 | 16.3 |
| CV % | 6.0 | 6.5 | 6.3 | 7.4 | 2.5 | 3.5 |
| LSD @ .10 | 2.9 | 4.3 | 5.9 | 6.4 | 1.8 | 0.8 |

FARMINGTON SPRING WHEAT – 2005 WSU VARIETY TESTING DATA

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Farmington location averaged 60.7, 61.7, and 62.6 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were lower by 34.2%, 26.3% and 29.6% 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. 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.
3. HESSIAN FLY ratings were taken on 10 Aug 2005. The ratings were visual estimates of spring wheat tillers that exhibited stunted/deformed development from early spring Hessian fly infections. The Farmington nursery typically experiences Hessian fly infestations and it appears an early infection at fairly high levels occurred during the spring 2005. It is worth noting that Hessian fly infection symptoms were measured at times in resistant varieties. This is probably a function of Hessian fly larvae feeding on tillers of resistant varieties before being killed or repelled by the Hessian fly resistance mechanism in a particular variety.
4. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings.