

[Notes](#)

2005 VARIETY TESTING  
WASHINGTON STATE UNIVERSITY  
DUSTY 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	47.6 ( 1)	43.6 ( 2)	46.2 ( 1)	29.1 ( 1)	56.1	13.7
NICK	43.5 ( 2)	43.8 ( 1)	42.4 ( 2)	21.8 ( 4)	54.0	13.8
EDEN	41.8 ( 3)	39.9 ( 4)	38.8 ( 4)	19.5 ( 9)	54.7	15.4
WAWAWAI	40.4 ( 4)	34.8 ( 8)	34.7 ( 8)	17.0 (14)	53.0	14.6
ALTURAS	40.2 ( 5)	36.8 ( 6)	34.5 ( 9)	12.6 (20)	53.5	15.5
PENAWAWA	37.0 ( 6)	35.9 ( 7)	33.3 (10)	20.5 ( 8)	53.9	13.5
ZAK	35.7 ( 7)	29.8 (10)	28.4 (12)	13.2 (18)	56.0	13.4
EDWALL	34.4 ( 8)	30.5 ( 9)	29.5 (11)	15.8 (16)	50.2	15.0
FIELDER	30.7 ( 9)	25.4 (11)	23.4 (13)	12.6 (19)	52.9	14.8
WAKANZ	---	39.9 ( 3)	39.2 ( 3)	18.0 (12)	51.2	15.4
LOUISE	---	39.0 ( 5)	37.5 ( 5)	19.0 (11)	53.1	12.8
WA7952	---	---	36.5 ( 6)	21.3 ( 6)	53.8	14.3
WA7964	---	---	35.3 ( 7)	17.7 (13)	52.7	15.2
ID632	---	---	---	23.2 ( 2)	56.1	14.5
WA7960	---	---	---	23.2 ( 3)	52.5	15.1
WA7986	---	---	---	21.8 ( 5)	55.4	15.7
WA7983	---	---	---	21.3 ( 7)	54.7	14.5
WA7987	---	---	---	19.3 (10)	53.4	15.4
WA7963	---	---	---	16.9 (15)	54.3	14.6
WQL7PENWX-2	---	---	---	14.9 (17)	55.1	13.6
NURSERY MEAN	39.0	36.2	35.2	18.8	53.8	14.6
CV %	19.4	18.6	19.1	30.1	4.4	13.9
LSD @ .10	4.6	5.4	6.6	7.9	3.3	2.8

2005 VARIETY TESTING  
WASHINGTON STATE UNIVERSITY  
DUSTY 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	43.7 ( 1)	37.0 ( 5)	35.7 ( 5)	15.8 ( 8)	52.6	17.2
ID377S	43.2 ( 2)	41.0 ( 3)	36.7 ( 4)	16.6 ( 7)	52.4	17.7
MACON	39.2 ( 3)	37.9 ( 4)	35.5 ( 6)	15.0 (10)	50.2	16.3
BLANCA GRANDE	---	48.3 ( 1)	45.6 ( 1)	28.8 ( 1)	54.6	16.1
OTIS	---	41.8 ( 2)	38.6 ( 2)	18.9 ( 4)	54.6	17.2
ID597	---	---	36.7 ( 3)	17.2 ( 5)	49.6	16.7
WA7991	---	---	---	21.8 ( 2)	55.0	16.2
BZ98-447W	---	---	---	20.6 ( 3)	49.1	16.8
WA7957	---	---	---	16.7 ( 6)	53.4	17.0
WINSOME	---	---	---	15.3 ( 9)	50.4	16.9
NURSERY MEAN	42	41.2	38.1	18.7	52.2	16.8
CV %	34.2	10.2	11.6	19.3	2.2	3.6
LSD @ .10	9.1	3.4	4.4	5.1	1.6	0.9

2005 VARIETY TESTING  
WASHINGTON STATE UNIVERSITY  
DUSTY 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 (%)
TARA 2002	43.2 ( 1)	42.6 ( 2)	37.5 ( 2)	17.5 (10)	51.4	17.2
SCARLET	43.0 ( 2)	39.9 ( 3)	35.6 ( 5)	19.2 ( 6)	52.1	17.0
HANK	42.1 ( 3)	43.7 ( 1)	39.3 ( 1)	17.5 (11)	50.9	17.4
JEFFERSON	40.8 ( 4)	39.6 ( 4)	36.6 ( 4)	17.4 (12)	52.2	17.9

<b>HOLLIS</b>	39.6 ( 5)	37.1 ( 7)	32.1 ( 8)	19.2 ( 5)	52.4	18.2
<b>WESTBRED 926</b>	37.1 ( 6)	38.7 ( 5)	32.3 ( 7)	17.9 ( 8)	50.7	18.3
<b>JEROME</b>	---	37.8 ( 6)	33.1 ( 6)	17.9 ( 9)	51.4	17.1
<b>GMG BUCK PRONTO</b>	---	---	37.3 ( 3)	21.0 ( 1)	51.7	18.7
<b>ID593</b>	---	---	31.1 ( 9)	13.9 (15)	48.8	16.9
<b>BZ999-339</b>	---	---	---	20.3 ( 2)	51.5	17.2
<b>WA7995</b>	---	---	---	19.5 ( 3)	50.1	17.4
<b>WA7997</b>	---	---	---	19.3 ( 4)	52.6	17.5
<b>WA7994</b>	---	---	---	19.0 ( 7)	50.3	17.7
<b>BZ999-592</b>	---	---	---	17.0 (13)	54.3	17.3
<b>SX1504B</b>	---	---	---	16.5 (14)	52.7	18.1
<b>WA7998</b>	---	---	---	13.3 (16)	50.1	17.4

<b>NURSERY MEAN</b>	41	39.9	35	17.9	51.5	17.6
<b>CV %</b>	19.9	12.7	15.5	23.4	2.4	3.7
<b>LSD @ .10</b>	5	4	5.3	5.8	1.7	0.9

#### **DUSTY SPRING WHEAT – 2005 WSU VARIETY TESTING DATA**

1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Dusty location averaged 18.8, 18.7, and 17.9 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were 55%-60% below the historical 3-year average. This nursery was planted with a no-till drill as re-crop following a 2004 spring wheat crop. As we are finding in many of our re-crop spring wheat and spring barley nurseries, the spring 2005 environmental conditions (early season drought and cold soils), above average precipitation in May 2005 and dry soil conditions at the end of the growing season did not favor spring cereal crop development. In many cases, root systems survived off May precipitation and did not develop very deep into the soil profile. When moisture was needed at the end of the season for final growth and kernel development, the root systems were unable to provide sufficient moisture. This can also be observed in low TEST WEIGHT values.
2. Average PLANT HEIGHT in the 2005 nursery was 27.0 inches compared to an average plant height in the 2004 nursery of 34.4 inches. This is an indication of the impact of the 2005 growing conditions.
3. The environmental conditions caused high levels of plot variations (CV %) in the nursery in 2005. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings, even though the yields were substantially lower in 2005. With high environmental variability in 2005, it is very important to look at historical yield performance for this nursery in making variety selections.