

[Notes](#)

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
LIND 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 (%)
NICK	30.4 (1)	32.6 (6)	31.3 (7)	21.4 (11)	55.4	13.7
EDEN	30.2 (2)	32.9 (5)	31.8 (6)	22.0 (10)	57.6	11.8
WAWAWAI	30.0 (3)	32.0 (7)	31.1 (9)	23.8 (6)	58.6	12.8
ALPOWA	29.8 (4)	33.5 (2)	32.1 (5)	21.2 (12)	59.5	12.6
ALTURAS	29.5 (5)	33.4 (3)	33.1 (4)	22.2 (9)	55.8	13.1
ZAK	28.0 (6)	30.1 (8)	29.1 (10)	21.0 (13)	56.6	13.1
PENAWAWA	26.8 (7)	29.0 (9)	27.0 (12)	16.3 (19)	56.7	12.7
EDWALL	26.0 (8)	27.9 (10)	27.0 (11)	17.2 (16)	55.4	12.2
FIELDER	25.3 (9)	27.1 (11)	24.7 (13)	13.9 (20)	56.4	12.8
LOUISE	---	36.4 (1)	36.3 (1)	29.7 (1)	59.2	12.6
WAKANZ	---	33.1 (4)	33.7 (2)	27.3 (3)	57.2	13.2
WA7964	---	---	33.6 (3)	28.6 (2)	57.4	13.3
WA7952	---	---	31.1 (8)	25.7 (5)	59.9	12.7
WA7983	---	---	---	26.5 (4)	57.5	13.6
ID632	---	---	---	23.0 (7)	58.2	12.6
WA7963	---	---	---	22.7 (8)	58.2	13.4
WA7960	---	---	---	20.0 (14)	57.3	13.1
WA7987	---	---	---	17.6 (15)	55.0	14.4
WA7986	---	---	---	17.1 (17)	55.3	14.7
WQL7PENWX-2	---	---	---	16.8 (18)	57.9	12.4
NURSERY MEAN	28.4	31.6	30.9	21.7	57.3	13.0
CV %	7.1	6.8	7.1	8.8	1.9	1.7
LSD @ .10	1.2	1.7	2.1	2.6	1.5	0.3

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
LIND 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	29.7 (1)	32.6 (1)	32.2 (2)	25.0 (3)	58.9	15.0
ID377S	28.3 (2)	30.9 (3)	30.2 (3)	22.5 (7)	57.5	15.1
MACON	27.7 (3)	30.8 (4)	30.0 (5)	20.6 (8)	58.7	13.1
OTIS	---	32.2 (2)	32.5 (1)	26.3 (1)	59.2	14.3
BLANCA GRANDE	---	27.5 (5)	25.5 (6)	16.1 (10)	59.1	15.3
ID597	---	---	30.1 (4)	22.6 (5)	57.2	15.1
BZ98-447W	---	---	---	26.0 (2)	58.2	14.3
WA7991	---	---	---	23.7 (4)	59.3	14.9
WA7957	---	---	---	22.6 (6)	57.0	14.9
WINSOME	---	---	---	16.3 (9)	56.7	13.5
NURSERY MEAN	28.5	30.8	30.1	22.2	58.2	14.5
CV %	6.6	7.9	8.2	9.8	1.1	1.4
LSD @ .10	1.2	2	2.5	3.1	0.9	0.3

2005 VARIETY TESTING
WASHINGTON STATE UNIVERSITY
LIND 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 (%)
SCARLET	28.3 (1)	31.1 (1)	30.6 (1)	20.1 (10)	58.2	16.0
JEFFERSON	26.1 (2)	28.3 (4)	27.3 (5)	18.5 (16)	56.5	16.6
HOLLIS	25.8 (3)	28.2 (5)	27.2 (6)	21.7 (6)	57.1	16.9
HANK	25.1 (4)	28.7 (3)	27.7 (4)	20.5 (7)	56.1	16.3

TARA 2002	23.8 (5)	26.5 (6)	26.9 (7)	21.9 (4)	57.8	16.3
WESTBRED 926	21.8 (6)	25.4 (7)	24.5 (9)	19.4 (12)	58.7	16.5
JEROME	---	30.6 (2)	29.8 (2)	22.3 (3)	59.7	16.1
ID593	---	---	29.1 (3)	20.4 (8)	59.1	15.2
GMG BUCK PRONTO	---	---	25.9 (8)	19.4 (13)	58.9	16.6
WA7994	---	---	---	24.6 (1)	57.1	16.4
BZ999-592	---	---	---	22.8 (2)	58.1	16.4
SX1504B	---	---	---	21.8 (5)	59.2	16.4
BZ999-339	---	---	---	20.4 (9)	58.3	16.8
WA7995	---	---	---	19.9 (11)	57.4	16.9
WA7998	---	---	---	19.3 (14)	57.1	16.7
WA7997	---	---	---	18.9 (15)	57.1	16.6
NURSERY MEAN	25.2	28.4	27.7	20.7	57.9	16.4
CV %	6.5	5.6	6.8	9.2	1.8	2.2
LSD @ .10	1	1.3	1.8	2.6	1.4	0.5

LIND SPRING WHEAT – 2005 WSU VARIETY TESTING DATA

1. Spring wheat average yields from the WSU Variety Testing nursery at the Lind location (WSU Dryland Research Station) averaged about 27%-31% lower than the 3-year average yields. As with other locations in this type of rainfall region most of the yield reduction is associated with dry soil conditions and extremely dry conditions during March/April 2005. Spring emergence was slow and the nursery location missed many of the key rainstorms. An additional factor observed in 2005 was that spring cereals developed fairly limited root systems caused by living off the May/June surface precipitation and being somewhat 'lazy' and not sending roots deeper into the soil after moisture which normally occurs.
2. PLANT HEIGHT indicators of poor crop development and growth are: Louise, SWH averaged 25 inches plant height in 2005 compared to 31.7 inches in the 2004 nursery; Otis HDWH averaged 28 inches in 2005 compared to 34.7 in 2004 and Scarlet HRS averaged 25 inches plant height in 2005 compared to 32 inches plant height in the 2004 nursery – all over 20% shorter in 2005.
3. Environmental conditions played a major role in fairly low test weight values and high grain protein percent values. Total N on this nursery was 50#/acre and the nursery was planted on summer fallow. The high protein levels are indicative of early nitrogen accumulation during kernel development followed by decreased carbohydrate filling of the kernels caused by dry soil conditions during later stages of kernel fill.
4. Average HEADING DATE was slightly later (2-3 days) than 2004 – not significantly different from normal.