2005 VARIETY TESTING WASHINGTON STATE UNIVERSITY ALMIRA SOFT WHITE/CLUB SPRING WHEAT NURSERY

VARIETY MAME	5 YEAR	3 YEAR	2 YEAR	2005	2005	2005
VARIETY NAME		AVERAGE	AVERAGE	YIELD	TEST WT.	PROTEIN
	(BU/A)	(BU/A)	(BU/A)	(BU/A)	(LBS/BU)	(%)
AL DOWA	40.7 (4)	45.0 (.0)	40.0 (4)	40.0 (5)	50.0	0.4
ALPOWA	48.7 (1)	45.6 (3)	43.3 (4)	43.9 (5)	59.0	9.4
NICK	48.6 (2)	46.5 (2)	45.7 (1)	46.4 (2)	59.3	9.9
EDEN	46.3 (3)	44.3 (5)	43.4 (3)	39.5 (9)	58.8	10.5
WAWAWAI	45.7 (4)	40.9 (6)	38.7 (8)	39.7 (8)	58.6	10.7
ALTURAS	42.8 (5)	40.7 (7)	39.8 (6)	37.7 (15)	57.7	10.2
ZAK	41.5 (6)	37.8 (8)	34.3 (11)	32.8 (16)	57.5	10.4
PENAWAWA	40.5 (7)	37.7 (9)	36.2 (10)	31.2 (17)	57.5	10.0
FIELDER	40.3 (8)	35.5 (10)	30.4 (13)	21.1 (20)	54.6	10.6
EDWALL	39.9 (9)	33.3 (11)	32.4 (12)	26.7 (18)	51.6	11.1
LOUISE		46.6 (1)	44.2 (2)	47.4 (1)	57.6	10.1
WAKANZ		45.6 (4)	42.5 (5)	44.3 (4)	57.5	11.0
WA7952			39.3 (7)	38.8 (12)	57.9	9.9
WA7964			37.9 (9)	37.9 (14)	56.8	10.4
ID632				44.7 (3)	60.0	9.7
WA7983				42.9 (6)	57.2	10.5
WA7960				41.7 (7)	58.1	10.5
WA7986				39.3 (10)	59.1	10.4
WA7987				39.1 (11)	57.3	11.6
WA7963				38.7 (13)	57.8	10.8
WQL7PENWX-2					57.4	9.8
NURSERY MEAN	43.8	41.3	39.1	38.0	57.6	10.4
CV %		9.7			1.0	4.9
						0.7
WA7963 WQL7PENWX-2 NURSERY MEAN		41.3		38.7 (13) 26.5 (19)	57.8 57.4	10.8 9.8 10.4 4.9

2005 VARIETY TESTING WASHINGTON STATE UNIVERSITY ALMIRA HARD WHITE SPRING WHEAT NURSERY

	5 YEAR	3 YEAR	2 YEAR	2005	2005	2005
VARIETY NAME	AVERAGE	AVERAGE	AVERAGE	YIELD	TEST WT.	PROTEIN
	(BU/A)	(BU/A)	(BU/A)	(BU/A)	(LBS/BU)	(%)
LOLO	45.9 (1)	40.9 (3)	38.3 (5)	42.1 (2)	57.5	12.8
MACON	44.8 (2)	41.8 (2)	41.2 (2)	38.8 (4)	55.7	12.0
ID377S	44.7 (3)	40.8 (4)	38.5 (4)	36.1 (8)	55.6	14.0
BLANCA GRANDE		42.2 (1)	42.0 (1)	40.5 (3)	59.2	12.9
OTIS		40.4 (5)	37.3 (6)	37.5 (6)	57.5	13.2
ID597			38.6 (3)	36.2 (7)	53.7	13.2
BZ98-447W				44.8 (1)	56.1	11.8
WA7991				38.0 (5)	57.9	12.6
WA7957				35.1 (9)	55.5	13.1
WINSOME				31.5 (10)	55.5	13.0
NURSERY MEAN	45.1	41.2	39.3	38.1	56.4	12.9
CV %	11.7	10.5	11.4	7.7	1.4	5.4
LSD @ .10	3.3	3.5	4.5	4.2	1.2	1.0

2005 VARIETY TESTING WASHINGTON STATE UNIVERSITY ALMIRA HARD RED SPRING WHEAT NURSERY

R 2 YEAR	2005	2005	2005	
GE AVERAGE	YIELD	TEST WT.	PROTEIN	
) (BU/A)	(BU/A)	(LBS/BU)	(%)	
				_
39.0 (2)	38.5 (4)	54.0	15.5	
37.9 (3)	36.7 (7)	55.3	16.2	
5) 36.2 (8)	33.9 (14)	55.2	14.9	
2) 39.3 (1)	41.0 (2)	55.5	16.1	
	GE AVERAGE (BU/A) 39.0 (2) 37.9 (3) 36.2 (8)	GE AVERAGE YIELD (BU/A) (BU/A) (BU/A) (BU/A) (BU/A) (BU/A) (BU/A) (BU/A) (BU/A) (BU/A) (BU/A)	GE AVERAGE YIELD TEST WT. (BU/A) (BU/A) (LBS/BU) 39.0 (2) 38.5 (4) 54.0 37.9 (3) 36.7 (7) 55.3 5) 36.2 (8) 33.9 (14) 55.2	GE AVERAGE YIELD TEST WT. PROTEIN (BU/A) (BU/A) (LBS/BU) (%) 1) 39.0 (2) 38.5 (4) 54.0 15.5 3) 37.9 (3) 36.7 (7) 55.3 16.2 5) 36.2 (8) 33.9 (14) 55.2 14.9

TARA 2002	43.9 (5)	39.9 (6)	37.4 (6)	35.5 (9)	54.7	15.6
HOLLIS	41.2 (6)	38.0 (7)	35.0 (9)	34.0 (13)	54.3	17.4
JEROME		40.8 (4)	37.4 (5)	38.5 (5)	54.7	15.2
ID593			37.7 (4)	34.9 (12)	53.0	15.1
GMG BUCK PRONTO			36.9 (7)	35.1 (11)	55.7	16.6
WA7997				41.0 (2)	55.0	14.9
WA7998				40.4 (3)	54.3	15.2
WA7995				37.6 (6)	53.9	15.6
BZ999-339				35.8 (8)	55.1	15.9
BZ999-592				35.2 (10)	56.5	15.6
SX1504B				33.4 (15)	57.0	15.3
WA7994				32.4 (16)	52.6	16.8
NURSERY MEAN	44.0	40.3	37.4	36.5	54.8	15.7
CV %	8.4	7.1	6.8	7.8	1.3	4.4
LSD @ .10	2.3	2.3	2.5	4.0	1.0	1.0

ALMIRA SPRING WHEAT - 2005 WSU VARIETY TESTING DATA

- 1. 2005 Spring Wheat data from the WSU Variety Testing nursery at the Almira location averaged 38.0, 38.1, and 36.5 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2005 spring wheat average yields were lower by 8.2%, 9.9% and 13.7% 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. STRIPE RUST infections were present in this nursery and most notable were susceptible soft white common varieties such as Zak, Penawawa, Edwall and Fielder that exhibited significant yield reductions. Edwall and Fielder also expressed significant reductions in TEST WEIGHT.
- 4. Average HEADING DATE (24 Jun 2005) was about a week later than the average 2004 heading date (17 Jun 2004).
- 5. In general, variety YIELD RANKINGS were similar to 3-year historical yield rankings with stripe rust susceptible varieties showing notably lower yields in 2005.