

2006 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ALMIRA, WA.

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
NICK	51.8	57.5	63.8	81.2	60.8	10.7	28.3	175.0
LOUISE	51.6	55.7	63.0	78.7	59.7	10.3	30.7	178.0
WA008007				77.6	58.4	11.4	30.3	179.0
EDEN	49.3	53.0	55.8	72.2	61.5	10.6	27.7	178.0
UI PETTIT			58.4	71.9	62.0	10.7	23.0	171.5
WA007964		48.8	54.3	70.6	57.7	10.8	29.0	181.5
WA008008				70.6	59.8	10.9	27.0	176.5
WA007986			54.9	70.4	60.6	12.0	29.7	178.5
ALPOWA	49.9	52.2	56.9	70.0	60.9	10.8	28.3	179.5
ALTURAS	46.1	49.9	53.9	70.0	58.7	10.9	27.7	178.5
WA007988				69.7	60.8	11.9	27.7	179.0
UI CATALDO				69.2	59.3	11.0	27.3	172.0
WAKANZ		50.7	55.7	67.1	57.8	11.2	27.0	180.0
WAWAWAI	46.1	46.2	50.4	61.2	58.9	11.4	31.3	178.0
ZAK	42.1	42.8	46.3	59.7	58.0	11.3	27.7	179.0
WA007987			49.3	59.4	59.5	12.4	30.3	179.0
EDWALL	38.0	39.6	40.3	54.0	55.0	11.1	25.0	177.0
FIELDER	38.8	37.5	36.3	51.6	57.2	11.6	26.7	180.0
C.V. %	8.6	8.6	8.7	8.8	1.8	4.0	--	--
LSD '@ .10'	2.5	3.5	4.6	8.3	1.5	0.6	--	--
Average	46.0	48.5	52.8	68.0	59.3	11.2	28.0	177.8
Highest	51.8	57.5	63.8	81.2	62.0	12.4	31.3	181.5
Lowest	38.0	37.5	36.3	51.6	55.0	10.3	23.0	171.5

2006 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT ALMIRA, WA.

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WAIKEA			60.7	76.6	59.1	12.1	30.0	173.5
LOLO	48.1	50.8	58.9	75.8	60.3	12.1	29.0	177.0
BZ903-455WP-d				73.0	58.7	12.9	28.0	177.0
WQL9HDALP				71.4	59.8	10.5	27.3	178.5
WA007990				70.3	59.8	12.3	29.7	177.5
OTIS	48.3	48.2	53.8	70.0	60.3	12.1	32.0	177.5
ALTA BLANCA				69.3	60.7	11.9	30.0	177.0
MACON	47.8	50.4	53.9	68.9	59.4	11.4	28.7	175.0
IDO377S	45.7	48.1	51.7	67.2	59.2	12.3	28.7	176.5
WA008012				67.1	61.7	11.7	26.7	174.0
BLANCA GRANDE		49.9	53.1	65.6	62.9	12.6	23.7	169.5
WA008010				65.5	59.4	12.0	27.3	177.0
C.V. %	7.9	7.1	5.3	4.8	1.1	3.1	--	--
LSD '@ .10'	2.5	3.1	3.1	4.7	0.9	0.5	--	--
Average	47.5	49.5	55.3	70.0	60.1	12.0	28.4	175.8
Highest	48.3	50.8	60.7	76.6	62.9	12.9	32.0	178.5
Lowest	45.7	48.1	51.7	65.5	58.7	10.5	23.7	169.5

2006 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT ALMIRA, WA.

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
HANK	49.5	51.0	56.7	74.9	59.1	12.5	26.0	174.0
ACS52610				74.4	62.5	11.9	27.0	179.0
BUCK PRONTO		49.1	54.4	73.6	60.7	13.3	28.7	172.0
BZ999-339			54.3	72.8	58.7	13.2	29.7	173.0
TARA 2002	47.7	49.0	53.9	72.2	60.4	13.3	29.7	172.5
JEROME		48.7	55.0	71.5	60.1	12.4	27.0	171.5
WA008018				71.1	59.5	12.9	28.7	177.5
HOLLIS	44.4	46.9	52.4	70.7	59.3	13.5	37.3	176.0
WA008016				70.7	59.2	12.4	30.0	178.5
WESTBRED 926	47.9	49.7	55.8	70.5	59.4	13.2	27.7	172.5
WA007998			55.4	70.3	59.6	12.8	27.7	174.5
JEFFERSON	48.6	48.6	53.4	70.0	59.8	13.0	27.3	174.5
JEFF/PRONTO				70.0	60.8	13.4	27.7	172.5
SCARLET	47.1	47.4	51.8	69.7	59.7	11.8	30.0	178.0
BZ9M03-1044				69.7	61.8	12.5	24.0	175.0
WA008015				69.6	59.1	12.8	27.3	178.5
WA008017				69.6	60.1	13.0	28.3	174.0
UI WINCHESTER				67.9	59.4	13.2	26.7	174.5
WA007953				66.1	60.7	13.1	35.7	178.5
WA007954				63.0	60.2	13.5	27.3	178.0
C.V. %	6.8	6.2	6.3	6.3	1.3	4.1	--	--
LSD '@.10'	2.2	2.6	3.6	6.1	1.1	0.7	--	--
Average	47.5	48.8	54.3	70.4	60.0	12.9	28.7	175.2
Highest	49.5	51.0	56.7	74.9	62.5	13.5	37.3	179.0
Lowest	44.4	46.9	51.8	63.0	58.7	11.8	24.0	171.5

ALMIRA SPRING WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Almira location averaged 68.0, 70.0, and 70.4 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2006 spring wheat **average YIELDS were higher** by 40.2%, 40.5% and 44.2% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This substantial yield increase above historical yields is a function of above normal precipitation during end of May and first part of June that enhanced tiller production and development coupled with being planted on summer fallow ground. *NOTE: This nursery was located approximately 8 miles northwest of Wilbur, WA on Douglas Rd (D. McKay farm).*
2. **TEST WEIGHT** average values across all three market classes had a range of 59.3 to 60.1 lbs/bu.
3. **GRAIN PROTEIN** values were low in the hard white and hard red market classes. However, this is undoubtedly a function of higher than average yields. The fertility program for the hard nurseries was based on a historical average of around 40 bushels per acre. Hard white and hard red spring wheat nurseries were fertilized at a level of 3.2# nitrogen and 3.7# nitrogen per expected yield, respectively. With yields 40% higher than average at this location, fertility adjusted to the increased yields would have resulted in substantially higher grain protein levels. Obviously, this made the biggest difference in the hard red spring wheat nursery.
4. **YIELD RANKINGS** among varieties within market classes continued to track with 3-year historical yield rank trends.