

2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ALMIRA, WA.

Variety Name <i>*Club Italized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
NICK	53.4	57.8	63.6	46.0	59.3	11.4	29.0	174.5
<i>WA008047</i>				44.1	60.5	12.0	28.7	179.5
WA008039				43.2	58.7	11.9	30.0	178.5
ALPOWA	50.0	52.3	56.5	43.1	59.0	11.6	31.0	178.0
WA008044				41.5	58.7	11.5	27.7	178.5
WA008059				40.8	59.6	13.1	30.3	173.0
LOUISE	51.8	55.5	59.6	40.5	56.2	12.1	32.0	179.0
WAKANZ	48.8	50.6	53.7	40.4	56.2	12.3	27.3	180.5
WA008043				40.1	58.9	11.7	27.7	178.5
ALTURAS	46.3	49.1	54.8	39.6	57.9	11.7	27.3	178.5
WA008008			55.1	39.6	56.7	12.9	28.0	176.5
WA008041				39.1	57.3	11.8	29.7	178.0
WA008046				38.3	57.6	12.2	30.3	174.5
<i>EDEN</i>	48.6	49.9	55.0	37.9	59.8	11.7	28.3	172.5
ZAK	42.2	43.4	48.7	37.7	58.1	12.4	30.7	179.5
<i>WA007989</i>				35.7	57.9	12.5	24.3	182.5
UI CATALDO			52.2	35.1	56.6	12.3	29.3	172.0
ARS05S303				34.0	53.7	13.2	28.3	181.0
C.V. %	8.9	9.2	9.9	9.1	1.9	4.2	--	--
LSD '@ .10'	2.6	3.5	4.8	5.1	1.5	0.7	--	--
Average	48.7	51.2	55.5	39.8	57.9	12.1	28.9	177.5
Highest	53.4	57.8	63.6	46.0	60.5	13.2	32.0	182.5
Lowest	42.2	43.4	48.7	34.0	53.7	11.4	24.3	172.0

2007 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)	2007				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WQL9HDALP			58.9	46.3	59.2	12.1	29.0	176.0
WA008036				45.0	60.1	13.3	32.3	177.5
CLEAR WHITE				41.0	59.5	12.9	26.7	172.5
WAIKEA		53.9	58.5	40.4	56.1	13.8	31.3	175.0
LOLO	47.6	52.4	57.6	39.5	58.4	14.1	29.0	176.5
MACON	46.7	48.9	54.0	39.0	57.7	13.5	31.3	177.0
OTIS	45.8	48.4	53.9	37.7	58.8	14.2	33.3	176.5
WA008035				37.7	57.2	13.7	29.3	175.0
BZ903-445WP-d			54.9	36.8	56.1	14.7	28.7	175.5
WA008038				36.4	58.2	14.3	31.3	172.5
BLANCA GRANDE	45.5	47.2	50.5	35.3	61.6	13.9	25.0	171.5
PATWIN				33.0	56.4	14.5	23.3	179.5
C.V. %	9.1	8.6	9.2	14.6	1.4	2.9	--	--
LSD '@ .10'	2.6	3.3	4.6	8.2	2.0	1.0	--	--
Average	46.4	50.2	55.5	39.0	58.3	13.8	29.2	175.4
Highest	47.6	53.9	58.9	46.3	61.6	14.7	33.3	179.5
Lowest	45.5	47.2	50.5	33.0	56.1	12.1	23.3	171.5

2007 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)	2007				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
SCARLET	47.2	50.0	58.1	46.5	57.8	14.9	31.0	177.0
JEROME	47.7	51.6	58.2	44.9	60.0	14.2	28.7	173.0
JEFF/PRONTO			57.3	44.6	58.8	14.8	28.7	172.5
GRANAR				43.6	59.5	14.9	28.7	179.5
WA008034				43.2	58.1	14.7	31.0	173.5
TARA 2002	47.0	50.2	57.6	43.0	58.3	15.2	32.0	173.5
RSI50076				42.4	59.1	14.4	24.7	175.0
BZ999-339		50.2	57.4	42.1	57.9	15.0	30.3	176.0
JEFFERSON	46.9	49.5	55.9	41.7	58.5	15.4	28.7	173.5
WA007954			52.4	41.7	59.8	15.0	30.0	178.0
WA008013				41.3	60.1	15.9	37.3	172.5
WA008030				41.1	59.5	14.9	31.0	179.0
HANK	48.0	51.4	57.8	40.6	57.1	14.9	28.0	177.5
WA008031				40.2	57.8	16.2	30.0	178.0
HOLLIS	44.9	48.2	55.3	39.9	57.4	15.7	34.7	176.0
ACS52610			57.1	39.7	61.0	13.7	26.7	178.0
JEDD			53.6	37.4	59.0	14.9	26.0	173.5
WESTBRED 926	46.2	49.5	53.8	37.1	57.1	16.0	26.7	173.0
WA008027				36.9	58.4	15.8	31.3	178.5
BUCK PRONTO		48.3	54.9	36.2	57.5	16.0	29.3	172.0
CABERNET				35.1	59.8	14.2	22.3	174.0
C.V. %	8.7	9.3	10.0	14.4	1.7	4.8	--	--
LSD '@ .10'	2.5	3.6	5.0	8.3	1.4	1.0	--	--
Average	46.9	49.9	56.1	40.9	58.7	15.1	29.4	175.4
Highest	48.0	51.6	58.2	46.5	61.0	16.2	37.3	179.5
Lowest	44.9	48.2	52.4	35.1	57.1	13.7	22.3	172.0

ALMIRA SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Almira, WA location averaged 39.8, 39.0, and 40.9 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The average yields for each market class were about 18%, 21% and 17% below a historical 3-yr average at this location. *NOTE: The Almira nursery was located 10 miles north of Almira, WA on Sorensen Rd (D. McKay farm).*
2. This nursery was planted (20 April 2007) on re-crop ground following winter wheat with a double disc plot drill (6-inch spacing) at a 60#/acre seeding rate. A March 2007 soil test showed 8.2 inches moisture in the top 4-feet. Base fertilizer was 70#N and 8#S. Based on a March 2007 soil test analysis and additional fertilizer was applied at the following rates: (20#N, 3#S), (50#N, 7.5#S) and (70#N, 10.5#S) for the soft white, hard white and hard red spring nurseries, respectively.
3. The below average **yield levels** for all market classes was a function of the growing season. This nursery had fair emergence but was negatively impacted by the dry, cool spring growing conditions this year, particularly the 3-month period (Mar-May) of below normal precipitation. In addition, this location 'missed' some of the late May – early June 2007 rain storms. Yields tracked with historical 3-yr average yields.
4. **TEST WEIGHT** values (average range across market classes was 57.9 lb/bu to 58.7 lb/bu) were low indicating that the heat stress and moisture stresses during kernel fill had a negative impact.
5. **GRAIN PROTEIN** values averaged 13.2%, 13.8% and 15.1% for soft white, hard white and hard red spring market classes, respectively, and reflective of the stress conditions on these nurseries.