

2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ST. JOHN, 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
LOUISE	69.4	70.7	78.1	73.9	59.8	10.3	33.7	169.0
ALPOWA	65.8	69.1	76.5	71.0	60.3	10.3	30.7	170.0
WA008039				69.9	60.8	10.2	30.7	168.5
<i>WA008047</i>				69.3	61.7	10.9	30.7	170.0
ZAK	58.4	59.6	69.6	68.3	59.3	10.9	32.0	170.5
WAKANZ	63.0	66.4	71.4	68.3	58.5	10.8	30.0	172.5
<i>EDEN</i>	63.4	62.1	68.9	67.5	61.5	10.6	29.0	169.0
WA008044				67.2	59.4	10.4	29.0	170.5
WA008008			69.4	66.9	60.7	11.0	30.3	169.0
WA008046				66.7	59.7	10.9	31.7	167.5
WA008059				65.9	62.3	11.7	30.7	167.0
ALTURAS	61.1	62.3	71.0	65.6	59.3	10.6	29.0	169.5
NICK	64.2	64.5	69.5	64.7	61.1	10.8	29.0	167.0
WA008041				62.7	58.7	10.8	31.7	170.5
WA008043				62.7	59.7	10.7	27.3	171.5
UI CATALDO			67.7	62.0	60.2	10.9	29.7	163.0
<i>WA007989</i>				60.3	60.0	11.2	25.7	171.5
ARS05S303				59.9	57.9	11.0	31.3	170.0
C.V. %	7.2	6.8	6.1	6.9	1.3	3.6	--	--
LSD '@ .10'	2.8	3.5	4.1	6.4	1.1	0.5	--	--
Average	63.6	65.0	71.3	66.3	60.1	10.8	30.1	169.3
Highest	69.4	70.7	78.1	73.9	62.3	11.7	33.7	172.5
Lowest	58.4	59.6	67.7	59.9	57.9	10.2	25.7	163.0

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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
BZ903-445WP-d			80.0	77.7	59.9	12.8	31.7	166.5
WAIKEA		71.4	76.9	75.3	60.2	12.2	32.7	165.0
WQL9HDALP			75.9	74.0	60.3	10.3	30.0	169.0
LOLO	66.0	69.3	77.3	71.6	61.6	12.0	32.0	168.0
OTIS	65.5	69.9	76.7	70.3	60.5	11.7	35.7	168.0
WA008038				66.0	61.1	12.1	33.3	165.5
MACON	60.6	62.2	71.4	65.6	58.3	12.1	31.0	165.5
WA008035				63.7	59.6	12.7	31.3	165.5
BLANCA GRANDE	59.3	57.4	61.7	61.9	62.8	13.3	25.3	161.0
WA008036				61.7	61.5	12.3	34.7	166.0
CLEAR WHITE				61.3	60.1	11.8	28.0	164.0
PATWIN				55.2	55.8	13.8	25.3	169.5
C.V. %	6.1	6.3	6.0	7.1	1.5	4.7	--	--
LSD '@ .10'	2.4	3.4	4.1	6.9	2.2	0.8	--	--
Average	62.8	66.0	74.2	67.0	60.1	12.3	30.9	166.1
Highest	66.0	71.4	80.0	77.7	62.8	13.8	35.7	169.5
Lowest	59.3	57.4	61.7	55.2	55.8	10.3	25.3	161.0

2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT ST. JOHN, 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
BZ999-339		70.0	74.1	68.9	60.6	13.4	30.7	163.5
WA008034				68.8	59.7	13.5	33.0	167.5
SCARLET	62.8	63.7	73.4	68.7	58.8	13.9	31.7	166.0
TARA 2002	63.4	64.8	71.5	68.5	60.7	13.5	33.7	162.0
JEFF/PRONTO			72.5	68.1	60.2	13.7	30.0	163.0
BUCK PRONTO		65.3	71.8	67.8	59.7	14.7	30.3	161.5
WA008030				67.1	60.6	13.2	32.0	169.0
WA008031				65.9	60.1	14.9	31.7	166.5
HOLLIS	61.8	64.5	69.9	65.7	59.8	14.0	37.3	167.5
JEROME	62.2	64.2	67.1	65.3	61.2	13.0	28.7	166.0
WA008013				65.3	61.4	14.6	38.3	166.0
HANK	63.5	66.3	72.9	64.5	59.2	14.2	28.7	165.5
JEFFERSON	64.1	65.4	72.3	64.2	60.0	13.9	30.0	167.0
WA008027				63.6	60.1	14.6	33.3	167.0
JEDD			69.0	63.4	61.2	14.1	25.7	164.5
GRANAR				63.4	60.5	13.9	29.7	167.5
WESTBRED 926	61.3	64.0	71.1	63.2	59.5	15.0	29.7	163.5
WA007954			71.1	61.6	59.0	15.2	31.3	167.5
ACS52610			68.5	60.0	62.8	13.3	28.3	169.5
RSI50076				59.6	58.3	12.8	24.7	167.0
CABERNET				58.0	60.5	13.8	25.0	167.5
C.V. %	7.7	8.3	6.9	7.5	1.4	4.8	--	--
LSD '@ .10'	3.0	4.3	4.6	6.8	1.2	0.9	--	--
Average	62.7	65.4	71.2	64.8	60.2	14.0	30.7	166.0
Highest	64.1	70.0	74.1	68.9	62.8	15.2	38.3	169.5
Lowest	61.3	63.7	67.1	58.0	58.3	12.8	24.7	161.5

ST JOHN SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the St John, WA location averaged 66.3, 67.0, and 64.8 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The average yields for each market class were equal to slightly above a historical 3-yr average at this location.
2. *NOTE: This nursery was located, approximately 8 miles east of St John, WA on Ingram Rd (Mac and Rod Mills's farm).*
3. This nursery was planted (13 April 2007) on re-crop ground following winter wheat with a double disc plot drill (6-inch spacing) at a 80#/acre seeding rate. A March 2007 soil test showed 8.9 inches moisture in the top 4-feet. Base fertilizer was 70#N and 10#S. Based on a March 2007 soil test analysis and additional fertilizer was applied at the following rates: (30#N, 4.5#S) and (60#N, 9.0#S) hard white and hard red spring nurseries, respectively.
4. Average to slightly higher than average **yield levels** were probably supported most by the cool June 2007 temperatures and June precipitation in spite of cool, dry spring conditions and below normal precipitation from Mar through May). Yield rankings seemed to track fairly closely with historical 3-yr average yield ranking in all market classes.
5. **TEST WEIGHT** values were good (average range across market classes was 60.1 lb/bu to 60.2 lb/bu) indicating that the nurseries avoided the heat and moisture stresses during kernel fill that occurred at the end of June.
6. **GRAIN PROTEIN** values averaged 10.8%, 12.3% and 14.0% for soft white, hard white and hard red spring market classes, respectively.