

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ST. JOHN, WA.

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOUISE	72.5	74.8	75.2	94.5	61.7	10.6	32.7	172.5
WA008090			73.4	93.7	62.2	10.9	31.0	173.5
BZ604-002				91.5	62.2	10.7	30.0	168.5
BABE		70.0	70.1	91.3	62.2	10.7	28.7	172.5
WHIT		73.8	77.2	90.7	61.2	10.8	29.7	171.0
<i>JD (HSR)</i>				89.2	63.4	11.3	31.0	171.5
WA008089			67.1	88.9	62.7	10.4	31.0	174.0
WA008112				88.5	60.8	10.7	30.7	176.0
WAKANZ	71.1	74.8	78.1	88.4	61.5	11.1	27.7	176.0
WA008039HF				88.3	62.4	11.1	31.0	170.5
ALTURAS	63.9	66.1	66.3	88.1	61.0	10.2	29.7	172.0
ZAK	66.5	74.0	76.8	87.8	61.4	11.2	30.7	175.0
WA008041		69.8	73.4	87.4	60.7	11.2	30.7	173.0
WA008106				85.9	62.0	10.5	32.3	171.0
<i>EDEN (HSR)</i>				85.9	62.5	10.2	28.3	170.0
<i>JD</i>		65.7	63.8	85.3	63.0	11.1	29.0	172.5
<i>EDEN</i>	66.1	70.5	72.0	84.0	62.7	10.4	28.0	171.5
WA008104				83.8	62.8	11.5	30.7	172.5
ALPOWA	70.8	72.6	73.4	83.2	62.3	10.9	30.7	174.0
NICK	65.2	65.8	66.3	81.6	61.4	11.4	28.3	169.0
WA008059		67.0	67.5	77.8	61.7	12.1	30.7	169.5
WA008108				77.5	62.3	11.1	28.7	167.5
CATALDO		60.1	59.2	76.0	60.3	11.0	25.0	168.5
WA008058			58.9	73.4	61.8	12.3	28.7	171.0
C.V. %	7.3	7.7	8.2	4.4	0.4	2.6	4.9	0.7
LSD ¹ @ .10 ¹	3.1	4.4	5.8	5.3	0.3	0.4	2.0	1.5
Average	68.0	69.6	69.9	86.0	61.9	11.0	29.8	171.8
Highest	72.5	74.8	78.1	94.5	63.4	12.3	32.7	176.0
Lowest	63.9	60.1	58.9	73.4	60.3	10.2	25.0	167.5

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT ST. JOHN, WA.

Variety Name <small>*HDVWH Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>BZ903-445WP</i>				87.8	60.0	13.9	31.3	171.5
<i>WA008100</i>				87.0	61.2	12.8	34.0	175.0
<i>OTIS</i>				86.5	61.8	13.3	32.7	173.0
LASSIK				85.1	61.1	13.7	26.3	170.0
<i>WA008079</i>				84.1	61.0	13.0	35.3	173.5
<i>WA008101</i>				81.2	61.7	12.8	31.3	169.5
BULLSEYE			65.5	79.4	62.8	14.3	27.0	171.0
KELSE		64.3	65.6	78.8	60.7	15.7	33.0	171.5
SCARLET	65.3	68.0	67.6	78.5	60.1	15.5	32.3	171.0
JEDD		63.9	64.2	78.3	61.9	13.9	24.0	168.5
JEFFERSON	65.2	64.7	64.9	78.1	61.1	15.2	30.0	169.5
<i>WA008078</i>				77.7	61.0	14.1	32.0	170.5
HANK	65.3	64.0	63.8	76.4	59.9	14.5	30.7	169.0
UI WINCHESTER			61.6	76.3	61.1	14.3	28.7	168.0
BUCK PRONTO	64.2	64.3	62.5	75.3	60.2	16.2	29.0	165.5
<i>RSII0348W</i>				74.7	60.9	13.6	26.7	167.5
HOLLIS	65.4	66.3	66.6	74.2	60.5	16.0	37.7	169.5
TARA 2002	65.0	66.3	65.2	73.8	61.0	14.8	31.7	166.0
MACON				73.1	60.8	12.8	27.7	169.0
VOLT		62.3	63.5	71.6	62.0	14.7	26.7	173.5
CLEAR WHITE				71.1	60.9	13.2	27.3	167.5
WA008027		60.2	58.5	71.1	60.7	16.4	35.3	172.5
WA008072				69.0	61.2	15.2	29.3	170.0
WA008076				67.5	61.3	15.2	35.3	167.0
WESTBRED 926	62.8	61.8	61.1	67.4	60.0	15.6	29.0	167.0
NPBHR70			59.6	67.4	60.1	15.5	30.0	169.5
WA008075				66.1	61.5	15.8	31.0	168.5
BLANCA GRANDE				65.0	62.0	15.2	26.7	166.0
WA008074				64.9	61.6	15.4	29.0	170.5
OR4990114				60.9	60.4	14.7	27.3	170.0
C.V. %	8.3	8.0	8.3	7.7	0.8	2.9	6.2	0.6
LSD '@ .10'	3.4	4.2	5.4	7.9	0.6	0.6	2.6	1.4
Average	64.7	64.2	63.6	75.0	61.0	14.6	30.3	169.7
Highest	65.4	68.0	67.6	87.8	62.8	16.4	37.7	175.0
Lowest	62.8	60.2	58.5	60.9	59.9	12.8	24.0	165.5

St. John Hard Spring Wheat – Preliminary Data

1. Grain yield in the St. John hard spring wheat trial averaged 75 bushels/acre, 10 bu/acre higher than the average 5-year yield for this location. The St. John nursery was located about 3 miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 20 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was applied at 70#N and 10#S per acre, and a spring soil test showed that an additional 65#N and 11#S fertilizer was needed for the hard wheat trial to meet university fertilization guidelines and it was applied at seeding. Spring seeding conditions were good with moisture rated 7 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the Alpha Lattice experimental design improved variation allocation during statistical analysis and the CV by 150% compared to a RCBD design. The CV was 7.7.
3. Yields ranged from 61 bu/ac to 88 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 30 entries are in this group. Hard white entries are listed in italic.
4. Test weights were good with an average of 61.0 lb/bu. Grain protein was high and averaged 14.6% with a range of 12.8% to 16.4%. The average plant height was 30 inches. No lodging occurred.

St. John Soft White Spring Wheat – Preliminary Data

1. Grain yield in the St. John soft white spring wheat trial averaged 86 bushels/acre, 18 bu/acre higher than the average 5-year yield for this location. The St. John nursery was located about 3 miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 20 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was applied at 70#N and 10#S per acre. Spring seeding conditions were good with moisture rated 7 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the Alpha Lattice experimental design improved variation allocation during statistical analysis and the CV by 51% compared to a RCBD design. The CV was 4.4.
3. Yields range was narrow and went from 73 bu/ac to 95 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 24 entries are in this group. Club entries are listed in italic and the (HSR) designation is a 20% higher seeding rate for the club entry.
4. Test weights were very good with an average of 61.9 lb/bu. Grain protein was good and averaged 11% with a range of 10.2% to 12.3%. The average plant height was 30 inches. No lodging occurred.