

**2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT FARMINGTON, WA.**

Variety Name *Club Italized	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
BABE		86.8	80.6	100.5	61.2	10.7	31.0	184.5
WA008090			82.4	100.3	61.8	11.0	32.7	185.0
<i>JD</i>		85.6	78.6	98.6	62.3	11.3	31.0	184.0
<i>JD (HSR)</i>				95.5	61.9	11.3	30.3	182.0
WA008112				95.4	60.2	10.9	30.0	186.0
WA008089			77.7	95.1	61.7	10.5	31.7	184.5
WA008106				94.8	61.7	10.8	32.7	182.0
LOUISE	83.9	85.3	77.3	94.3	60.8	10.9	31.7	184.5
WA008041		81.6	73.3	93.7	60.2	11.5	31.0	185.5
<i>EDEN (HSR)</i>				91.9	62.0	10.8	28.7	181.0
WHIT		81.9	74.1	91.5	61.0	11.0	29.3	182.0
WAKANZ	82.0	83.4	74.9	91.4	60.0	11.1	29.3	186.5
<i>EDEN</i>	80.1	84.3	78.0	91.4	62.0	10.9	28.0	182.0
ALTURAS	74.9	78.9	70.4	90.2	60.8	10.5	28.3	183.5
ALPOWA	80.7	83.0	74.6	90.0	61.8	11.1	29.7	186.5
WA008039HF				87.7	61.1	11.0	29.0	183.0
ZAK	77.7	84.3	74.7	87.2	60.9	10.9	30.3	185.5
NICK	82.6	81.7	75.1	87.2	61.1	11.3	27.3	181.5
WA008104				85.4	62.3	11.8	30.0	183.0
WA008108				85.1	61.7	11.7	29.3	180.5
BZ604-002				83.9	61.2	10.5	28.7	182.5
WA008058			69.2	78.1	60.5	12.6	30.0	182.5
CATALDO		72.2	63.2	77.0	59.8	11.1	26.7	180.0
WA008059		79.0	69.0	76.9	60.2	12.7	29.3	181.5
C.V. %	6.0	5.0	5.2	4.3	0.4	1.6	3.6	0.5
LSD ' @ .10'	2.9	3.3	3.9	5.4	0.4	0.2	1.5	1.2
Average	80.3	82.2	74.6	90.1	61.2	11.2	29.8	183.3
Highest	83.9	86.8	82.4	100.5	62.3	12.7	32.7	186.5
Lowest	74.9	72.2	63.2	76.9	59.8	10.5	26.7	180.0

## 2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT FARMINGTON, WA.

Variety Name <small>*HDVH 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>OTIS</i>				88.1	61.6	11.8	35.0	183.0
UI WINCHESTER			65.3	85.4	60.9	13.5	28.7	180.5
<i>WA008078</i>				84.6	61.2	12.9	31.7	180.0
TARA 2002	72.6	73.6	68.0	84.2	60.9	14.2	32.7	178.5
SCARLET	70.0	72.0	65.4	82.9	60.0	14.5	30.3	182.0
<i>WA008101</i>				82.7	61.1	12.3	32.3	181.0
<i>WA008079</i>				82.1	60.2	11.9	33.3	183.0
BULLSEYE			63.4	81.7	62.6	13.9	27.7	181.5
JEFFERSON	70.5	70.6	63.0	81.4	61.0	14.3	29.3	181.5
<i>WA008100</i>				81.2	61.4	12.0	33.3	186.0
WA008074				80.9	61.2	13.9	30.7	182.5
WESTBRED 926	73.8	70.8	63.5	80.4	60.2	14.4	29.7	180.0
<i>MACON</i>				80.1	59.4	12.5	31.0	181.0
<i>RSI10348W</i>				79.8	59.5	13.2	27.3	180.0
WA008027		70.9	61.9	79.7	60.7	15.4	34.0	182.0
<i>BZ903-445WP</i>				79.3	59.2	13.0	29.7	183.0
HOLLIS	67.4	66.4	61.1	78.3	60.7	15.2	37.3	181.0
WA008072				77.4	60.4	14.1	28.0	182.5
NPBHR70			61.1	77.3	60.0	14.5	28.7	181.0
LASSIK				77.0	60.6	13.7	26.3	183.5
HANK	72.4	71.1	62.3	76.8	59.1	13.8	29.0	180.5
WA008075				76.4	61.0	14.8	31.0	184.5
JEDD		73.0	67.1	75.6	61.4	13.2	26.7	179.5
BUCK PRONTO	71.3	68.4	57.8	75.5	59.8	15.1	29.7	178.5
OR4990114				75.5	59.7	13.5	29.7	180.0
VOLT		66.4	61.3	75.4	61.2	14.5	28.3	185.5
<i>CLEAR WHITE</i>				73.1	60.0	12.6	26.3	179.0
KELSE		66.2	58.3	73.0	60.8	14.6	32.0	182.0
WA008076				72.4	61.5	14.2	35.0	179.0
<i>BLANCA GRANDE</i>				62.0	61.0	14.5	26.3	178.5
C.V. %	7.4	7.6	6.1	6.6	0.9	3.0	3.9	0.7
LSD '@ .10'	3.2	4.3	4.0	7.1	0.7	0.6	1.6	1.6
Average	71.1	69.9	62.8	78.7	60.6	13.7	30.4	181.4
Highest	73.8	73.6	68.0	88.1	62.6	15.4	37.3	186.0
Lowest	67.4	66.2	57.8	62.0	59.1	11.8	26.3	178.5

### Farmington Hard Spring Wheat – Preliminary Data

1. Grain yield in the Farmington hard spring wheat trial averaged 79 bushels/acre, 8 bu/acre higher than the 5-year yield average for this location. The Farmington nursery was located about 4 miles south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 4 May, 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 115#N and 17#S per acre, and a spring soil test showed that 40#N and 6#S additional fertilizer was needed for the hard wheat trial to meet university fertilization guidelines. Spring seeding conditions were good with moisture rated 9 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 43% compared to a RCBD design. The CV was 6.6.
3. Yields ranged from 62 bu/ac to 88 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 10 of the 30 entries are in this group. Hard white entries are listed in italic.
4. Average test weights were 60.6 lb/bu. Grain protein was good and averaged 13.7% with a range of 11.8% to 15.4%. The average plant height was 30 inches. No lodging occurred.

### Farmington Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Farmington soft white spring wheat trial averaged 90 bushels/acre, 10 bu/acre higher than the 5-year yield average for this location. The Farmington nursery was located about 4 miles south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 4 May, 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 115#N and 17#S per acre. Spring seeding conditions were good with moisture rated 9 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 25% compared to a RCBD design. The CV was 4.3.
3. Yields ranged from 77 bu/ac to 101 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. Average test weights were 61.2 lb/bu. Grain protein was good and averaged 11.2% with a range of 10.5% to 12.7%. The average plant height was 30 inches. No lodging occurred.