

## 2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT LAMONT, 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
WA008090			40.8	55.3	60.8	11.0	28.7	168.0
NICK	54.1	42.2	40.4	53.4	60.1	11.9	24.0	165.5
LOUISE	57.8	42.2	38.5	52.1	60.2	11.3	27.0	168.0
WA008089			38.4	51.9	60.7	11.0	29.3	167.5
BZ604-002				51.4	60.4	11.7	27.3	164.5
ZAK	46.9	40.8	40.0	51.1	59.9	11.9	31.0	170.5
<i>JD (HSR)</i>				49.5	60.6	11.9	25.0	168.0
WA008059		40.5	39.2	49.4	59.1	13.0	27.7	165.5
WA008106				49.1	60.7	11.3	28.3	166.5
WA008058			36.2	47.9	59.7	12.8	27.7	166.0
CATALDO		35.5	32.1	47.1	59.1	11.3	23.0	164.0
BABE		41.2	37.3	47.0	60.5	10.9	28.3	169.0
WA008041		40.3	37.3	46.2	58.8	11.8	26.3	168.0
WAKANZ	54.3	41.7	38.5	45.9	59.1	11.9	24.3	172.5
WA008039HF				45.1	60.1	11.4	24.3	167.5
<i>JD</i>		37.3	34.7	44.3	60.5	11.6	27.7	168.5
<i>EDEN (HSR)</i>				43.9	60.5	11.2	22.7	166.5
ALTURAS	46.6	35.8	32.0	43.3	59.4	10.7	24.7	168.0
WA008112				42.8	58.3	11.1	26.3	171.0
<i>EDEN</i>	41.9	38.2	34.3	41.5	60.5	11.4	21.3	167.0
WA008108				40.9	60.6	11.8	27.0	164.0
WA008104				40.7	60.9	11.6	26.3	167.0
ALPOWA	45.6	37.0	33.4	39.6	60.2	11.2	23.7	172.5
WHIT		37.8	34.0	38.7	59.2	11.7	25.3	166.5
C.V. %	10.9	11.5	12.8	13.1	0.7	3.3	7.1	0.5
LSD <sup>1</sup> @ .10 <sup>1</sup>	3.0	3.6	4.7	8.4	0.6	0.5	2.5	1.2
Average	49.6	39.3	36.7	46.6	60.0	11.6	26.1	167.6
Highest	57.8	42.2	40.8	55.3	60.9	13.0	31.0	172.5
Lowest	41.9	35.5	32.0	38.7	58.3	10.7	21.3	164.0

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

Variety Name <i>*HDWH Italized</i>	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
SCARLET	50.2	45.9	45.0	56.5	59.7	15.3	29.7	169.0
<i>OTIS</i>				55.3	61.3	13.3	32.0	168.5
<i>BZ903-445WP</i>				50.3	60.0	13.8	26.3	166.5
<i>WA008078</i>				49.5	59.8	14.1	28.7	165.5
<i>WA008100</i>				48.4	60.8	13.4	27.3	172.5
BUCK PRONTO	46.9	38.1	35.8	48.2	59.1	17.6	26.3	164.0
<i>WA008079</i>				47.4	60.8	13.0	29.0	167.0
<i>CLEAR WHITE</i>				47.1	59.7	13.1	24.3	164.0
LASSIK				46.7	60.2	15.0	23.7	166.5
<i>WA008101</i>				46.5	60.5	13.0	28.7	165.5
HOLLIS	50.8	39.8	37.0	44.8	60.6	16.0	30.3	165.5
<i>RS110348W</i>				43.8	60.0	13.9	23.7	164.0
NPBHR70			35.6	43.7	59.5	15.9	25.7	166.0
HANK	48.2	38.1	36.6	43.4	59.8	14.4	26.0	165.5
JEFFERSON	49.8	38.6	36.1	42.8	60.4	15.2	24.3	166.5
<i>MACON</i>				42.5	59.9	13.0	27.7	165.0
KELSE		37.8	35.9	42.5	59.6	15.5	28.7	166.0
WESTBRED 926	45.6	36.9	35.6	41.6	59.4	15.9	25.0	164.0
<i>WA008074</i>				41.3	60.4	14.7	27.0	166.0
BULLSEYE			33.0	40.9	61.1	13.9	24.0	166.0
UI WINCHESTER			32.9	40.2	60.5	15.1	24.0	164.5
TARA 2002	45.4	36.7	33.1	38.9	59.4	15.6	27.7	164.0
<i>WA008027</i>		33.6	31.7	38.0	60.0	16.4	30.3	168.0
VOLT		32.8	32.0	37.6	60.1	14.5	24.0	169.0
<i>WA008076</i>				37.3	60.5	15.5	33.0	164.0
<i>WA008075</i>				35.9	60.7	15.6	27.3	164.5
OR4990114				35.9	59.7	15.4	25.3	165.0
<i>WA008072</i>				35.7	60.0	15.3	24.0	165.5
<i>BLANCA GRANDE</i>				32.6	60.6	14.6	21.7	164.0
JEDD		32.8	30.4	32.5	60.9	15.3	22.3	165.5
C.V. %	10.0	8.9	8.6	10.0	0.8	3.7	6.2	0.5
LSD '@ .10'	2.7	2.7	3.2	5.9	0.6	0.8	2.3	1.1
Average	48.1	37.4	35.0	42.9	60.2	14.8	26.6	165.9
Highest	50.8	45.9	45.0	56.5	61.3	17.6	33.0	172.5
Lowest	45.4	32.8	30.4	32.5	59.1	13.0	21.7	164.0

## Lamont Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Lamont soft white spring wheat trial averaged 47 bushels/acre, 3 bu/acre lower than the average 5-year yield for this location. The Lamont nursery was located about 4 miles south east of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 15 April, 2009 following winter wheat. Seed was placed at a 70#/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 more than adequate available nutrients. Spring seeding conditions were rated 8 on a 1-10 scale and spring rain made the early outlook good for the spring crop. The Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 230% compared to a RCBD design. The CV was 13.1 indicating there was more variability than desirable within this trial.
3. Yields ranged from 39 bu/ac to 55 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 24 entries are in this group, and this also shows higher variability within this trial. Club entries are listed in italic and the (HSR) designation is a 20% higher seeding rate for the club entry. The HSR treatment appears to have increased yield for both club varieties in the trial. Club varieties tend to produce less tillering and the higher seeding rate might add more heads that contribute to yield.
4. Test weights were good with an average of 60.0 lb/bu. Grain protein averaged 11.6% with a range of 10.7% to 13.0% and is higher than desired due to high available N at this site. The average plant height was 26.1 inches.

## Lamont Hard Spring Wheat – Preliminary Data

1. Grain yield in the Lamont hard spring wheat trial averaged 43 bushels/acre, 5 bu/acre lower than the average 5-year yield for this location. The Lamont nursery was located about 4 miles south east of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 15 April, 2009 following winter wheat. Seed was placed at a 70#/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 more than adequate available nutrients for hard wheat. Spring seeding conditions were rated 8 on a 1-10 scale and spring rain made the early outlook good for the spring crop. The Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 307% compared to a RCBD design. The CV was acceptable at 10.0.
3. Yields ranged from 33 bu/ac to 57 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 30 entries are in this group. Hard white entries are listed in italic.
4. Test weights were good with an average of 60.2 lb/bu. Grain protein was high and averaged 14.8% with a range of 13.0% to 17.6. The average plant height was 26.6 inches.