

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT MAYVIEW, 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	50.3	60.5	58.5	61.5	62.1	10.8	27.3	177.5
BABE		58.5	56.3	60.3	61.8	11.4	25.0	175.5
ALTURAS	47.4	57.5	56.6	59.8	60.9	10.9	23.3	175.5
WA008090			59.2	59.8	62.1	11.6	26.0	178.0
WA008112				59.7	60.3	11.2	25.0	178.5
WHIT		57.9	57.8	58.6	60.8	11.9	25.0	172.5
ZAK	46.4	54.5	54.8	58.2	60.6	12.3	26.7	178.0
WA008089			55.3	57.0	62.0	11.0	25.0	178.0
<i>JD</i>		56.0	56.0	56.6	62.4	12.2	26.0	176.0
WAKANZ	49.1	57.1	57.2	56.5	60.4	11.9	23.7	179.5
NICK	51.5	57.3	55.2	56.1	61.4	12.4	25.0	171.0
WA008039HF				56.1	61.7	11.3	25.0	174.5
<i>EDEN</i>	49.2	56.3	54.6	55.7	62.2	11.5	23.3	174.5
ALPOWA	47.8	55.0	54.4	55.2	62.2	11.6	25.3	178.0
<i>JD (HSR)</i>				55.1	62.5	11.6	24.3	175.0
WA008106				55.0	61.5	11.7	26.3	175.0
BZ604-002				53.8	62.0	12.1	25.3	171.5
WA008041		54.3	52.8	52.7	60.1	12.5	26.3	178.0
WA008108				52.5	62.2	12.8	25.3	171.5
CATALDO		52.5	50.2	50.9	60.5	11.6	23.7	170.5
WA008104				50.6	62.5	12.4	25.0	175.0
<i>EDEN (HSR)</i>				50.4	62.6	11.7	22.7	174.0
WA008058			46.5	45.8	60.9	13.6	25.0	174.0
WA008059		48.9	47.1	42.6	61.0	13.4	25.0	174.0
C.V. %	6.9	6.7	7.0	8.9	0.5	3.0	4.6	0.6
LSD ¹ @ .10 ¹	2.1	2.9	3.7	6.8	0.4	0.5	1.6	1.4
Average	48.8	55.9	54.5	55.0	61.5	11.9	25.0	175.2
Highest	51.5	60.5	59.2	61.5	62.6	13.6	27.3	179.5
Lowest	46.4	48.9	46.5	42.6	60.1	10.8	22.7	170.5

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT MAYVIEW, WA.

Variety Name <i>*HDVWH 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
<i>WA008079</i>				60.7	61.0	12.8	29.3	177.0
<i>OTIS</i>				59.6	61.3	13.4	30.0	177.0
SCARLET	45.9	53.7	54.9	59.6	59.1	14.2	29.3	174.0
<i>BZ903-445WP</i>				57.9	60.3	13.8	25.7	175.0
BULLSEYE			52.6	56.2	62.9	14.1	24.0	172.5
UI WINCHESTER			51.0	54.2	61.4	14.5	24.3	171.0
VOLT		53.0	52.9	53.9	61.9	14.7	25.7	177.5
LASSIK				53.9	61.3	14.7	23.3	174.0
<i>RSII0348W</i>				53.3	61.8	13.9	23.3	169.5
<i>WA008101</i>				53.3	61.1	13.5	29.7	174.5
MACON				53.2	60.8	13.1	25.7	173.0
JEFFERSON	47.7	52.9	51.4	52.4	60.9	14.9	25.0	173.5
<i>WA008100</i>				52.3	61.4	13.1	28.0	178.5
WA008074				52.1	61.5	14.5	26.0	176.0
HANK	45.4	49.8	49.8	51.2	60.3	14.9	24.3	170.5
BUCK PRONTO	45.6	51.0	50.7	51.1	60.1	16.2	25.7	170.5
<i>WA008078</i>				50.8	61.3	14.1	27.3	172.5
JEDD		51.3	50.8	50.6	62.0	14.9	23.0	170.5
NPBHR70			47.7	48.2	60.1	14.9	25.0	173.0
HOLLIS	41.4	48.2	49.1	48.0	60.2	15.8	31.3	174.0
WESTBRED 926	45.0	48.5	47.3	48.0	60.2	15.8	24.7	170.0
KELSE		49.8	50.8	47.3	60.9	15.4	28.3	174.5
TARA 2002	44.6	51.0	49.9	47.0	61.0	15.3	27.3	169.5
<i>CLEAR WHITE</i>				46.7	61.1	13.1	24.0	169.0
OR4990114				46.6	60.5	14.9	24.7	174.5
WA008075				46.4	61.1	16.1	25.3	174.0
WA008072				45.7	60.7	15.3	25.0	175.0
WA008027		47.7	47.5	45.6	60.4	16.6	28.7	176.5
<i>BLANCA GRANDE</i>				43.6	62.7	14.9	23.3	169.0
WA008076				43.1	60.9	15.3	32.3	171.0
C.V. %	6.1	5.8	6.5	7.3	0.9	2.7	4.4	0.6
LSD '@ .10'	1.8	2.3	3.2	5.1	1.3	0.6	1.6	1.4
Average	45.1	50.6	50.5	51.1	61.0	14.6	26.3	173.2
Highest	47.7	53.7	54.9	60.7	62.9	16.6	32.3	178.5
Lowest	41.4	47.7	47.3	43.1	59.1	12.8	23.0	169.0

Mayview Hard Spring Wheat – Preliminary Data

1. Grain yield in the Mayview hard spring wheat trial averaged 51 bushels/acre, 6 bu/acre higher than the average 5-year yield for this location. The Mayview nursery was located about 5 miles south of the Lower Granite Dam on the Snake River, WA or 12 miles northeast of Pomeroy, WA (Roger and Randy Koller, cooperators).
2. This nursery was seeded on 24 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 64#N and 10#S per acre, and a spring soil test showed that an additional 20#N and 3#S fertilizer was needed for the hard wheat trial to meet university fertilization guidelines and it was applied at seeding. Spring seeding moisture conditions were rated 4 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 102% compared to a RCBD design. The CV was 7.3.
3. Yields ranged from 43 bu/ac to 61 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 5 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 good and averaged 14.6% with a range of 12.8% to 16.6%. The average plant height was 26 inches. No lodging occurred.

Mayview Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Mayview soft white spring wheat trial averaged 55 bushels/acre, 6 bu/acre higher than the average 5-year yield for this location. The Mayview nursery was located about 5 miles south of the Lower Granite Dam on the Snake River, WA or 12 miles northeast of Pomeroy, WA (Roger and Randy Koller, cooperators).
2. This nursery was seeded on 20 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 64#N and 10#S per acre. Spring seeding moisture conditions were rated 4 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 71% compared to a RCBD design. The CV was 8.9.
3. Yields ranged from 43 bu/ac to 62 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 16 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 good with an average of 61.5 lb/bu. Grain protein was high and averaged 11.9% with a range of 10.8% to 13.6%. The average plant height was 25 inches. No lodging occurred.