

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT WALLA WALLA, 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		62.7	73.5	103.5	60.6	10.4	36.0	165.5
WA008089			74.6	103.4	60.7	10.6	37.3	165.0
WA008039HF				102.1	61.1	10.7	35.3	164.0
WA008106				101.0	61.8	10.7	39.7	163.5
ALPOWA	53.3	61.0	70.3	98.9	60.9	10.6	34.7	167.5
WAKANZ	56.3	64.2	73.2	98.7	59.4	10.9	32.7	167.0
<i>JD (HSR)</i>				98.1	62.2	11.4	37.3	165.0
<i>EDEN</i>	53.2	62.5	69.3	96.9	61.8	10.6	31.7	165.0
ALTURAS	49.8	60.1	67.6	96.8	60.5	10.7	33.3	165.0
LOUISE	58.5	63.8	71.4	96.3	60.8	10.5	39.0	166.0
NICK	54.2	63.4	71.4	96.1	60.5	11.3	33.7	163.5
WA008041		63.3	70.6	95.6	58.7	10.9	36.0	166.0
ZAK	56.8	65.9	73.6	95.4	60.1	11.2	35.3	166.0
BZ604-002				95.3	61.8	11.0	35.3	163.0
WHIT		62.0	69.1	95.1	60.2	10.8	33.7	163.0
<i>EDEN (HSR)</i>				94.8	61.7	10.6	33.3	165.5
WA008090			71.3	94.3	61.0	10.6	36.3	165.5
WA008108				93.2	61.0	11.2	34.7	161.5
WA008112				92.4	58.3	10.8	35.3	166.5
<i>JD</i>		59.4	66.3	92.1	61.9	11.4	38.7	164.5
WA008104				91.9	61.3	11.1	36.7	164.5
WA008059		60.5	66.7	90.4	60.9	12.1	34.7	164.5
CATALDO		58.4	63.9	89.4	60.2	11.2	30.3	161.5
WA008058			63.4	89.4	60.9	12.1	34.7	164.5
C.V. %	8.3	6.2	6.7	6.3	0.9	2.0	3.1	0.4
LSD ' @ .10'	3.1	3.3	4.8	8.4	0.7	0.3	1.5	0.9
Average	54.6	62.1	69.8	95.9	60.8	11.0	35.2	164.7
Highest	58.5	65.9	74.6	103.5	62.2	12.1	39.7	167.5
Lowest	49.8	58.4	63.4	89.4	58.3	10.4	30.3	161.5

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

Variety Name <small>*HDWH 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>				102.1	60.2	12.5	33.3	164.5
<i>WA008079</i>				100.4	61.0	11.5	39.7	164.5
<i>WA008101</i>				95.4	61.0	12.0	38.3	163.0
<i>OTIS</i>				95.0	61.3	11.5	39.7	164.5
<i>WA008078</i>				92.4	61.5	12.7	37.0	163.0
BULLSEYE			63.1	91.8	62.5	12.7	29.7	164.5
<i>WA008100</i>				88.6	61.1	11.3	36.3	166.0
SCARLET	55.0	62.2	69.5	88.5	59.6	13.7	34.7	163.5
KELSE		59.6	67.8	88.5	61.1	14.0	35.0	164.5
HANK	58.2	58.1	65.0	88.3	60.4	13.5	33.3	162.5
JEFFERSON	55.0	60.1	66.9	88.0	60.7	13.8	34.0	164.5
VOLT		54.7	60.4	88.0	61.9	12.8	31.3	166.0
LASSIK				87.7	60.9	12.7	28.7	165.0
JEDD		54.9	60.5	87.4	62.4	12.9	28.7	161.5
TARA 2002	58.2	57.3	62.0	87.3	60.6	14.1	36.3	160.5
<i>MACON</i>				86.7	61.0	12.0	35.0	162.5
<i>CLEAR WHITE</i>				86.2	61.1	12.1	29.7	162.0
<i>RSII0348W</i>				85.4	61.7	12.4	29.0	161.5
UI WINCHESTER			62.4	85.3	61.7	13.3	31.7	162.0
WA008027		55.7	62.3	84.9	61.4	14.7	38.7	164.5
WA008072				84.5	61.2	13.5	32.0	163.0
WA008074				84.1	61.2	13.7	33.0	161.5
WESTBRED 926	52.5	53.9	58.1	83.3	60.4	14.2	32.3	161.0
BUCK PRONTO	52.7	55.8	60.1	82.1	60.4	15.2	32.0	160.5
WA008076				82.1	61.3	14.5	44.0	161.5
NPBHR70			60.0	80.8	60.3	14.3	31.3	160.5
OR4990114				80.7	60.5	12.9	31.7	162.5
WA008075				80.4	61.9	14.4	34.3	161.5
HOLLIS	52.8	54.3	58.5	79.1	60.8	14.4	43.0	164.0
BLANCA GRANDE				78.9	62.9	13.8	27.7	159.5
C.V. %	7.9	5.1	5.3	4.4	0.6	2.4	4.1	0.4
LSD '@ .10'	3.0	2.6	3.7	5.3	0.5	0.4	1.9	0.9
Average	54.9	57.0	62.6	87.1	61.1	13.2	34.1	162.9
Highest	58.2	62.2	69.5	102.1	62.9	15.2	44.0	166.0
Lowest	52.5	53.9	58.1	78.9	59.6	11.3	27.7	159.5

Walla Walla Hard Spring Wheat – Preliminary Data

1. Grain yield in the Walla Walla hard spring wheat trial averaged 87 bushels/acre, 32 bu/acre higher than the average 5-year yield for this location. The Walla Walla nursery was located about 5 miles south of Waitsburg, WA (Glen Smith, cooperator).
2. This nursery was seeded on 16 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base fertilizer was applied at 110#N, 15#P and 15#S per acre, and a spring soil test showed 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 56% compared to a RCBD design. The CV was very good at 4.4.
3. Yields ranged from 79 bu/ac to 102 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 61.1 lb/bu. Grain protein was good and averaged 13.2% with a range of 11.3% to 15.2%. The average plant height was 34.1 inches.

Walla Walla Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Walla Walla soft white spring wheat trial averaged 96 bushels/acre, 41 bu/acre higher than the average 5-year yield for this location. The Walla Walla nursery was located about 5 miles south of Waitsburg, WA (Glen Smith, cooperator).
2. This nursery was seeded on 16 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base fertilizer was applied at 110#N, 15#P and 15#S per acre, and a spring soil test showed 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 9% compared to a RCBD design. The CV was good at 6.3.
3. Yields ranged from 89 bu/ac to 104 bu/ac, a very narrow yield spread. Yield values within the LSD range of the highest yield are shown in bold and 14 of the 24 entries are in this group, even though the LSD is less than 7 bu/acre. Hard white entries are listed in italic.
4. Test weights were good with an average of 60.8 lb/bu. Grain protein was good and averaged 11.0% with a range of 10.4% to 12.1%. The average plant height was 35.2 inches.