

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT PULLMAN, 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
WA008106				84.7	62.9	11.6	36.7	174.3
WA008112				82.4	60.7	11.8	33.0	179.7
WA008041		75.6	70.6	81.4	60.7	11.5	34.3	177.3
BZ604-002				81.3	62.5	11.8	33.0	173.3
ALTURAS	70.6	75.1	69.9	80.9	61.5	11.0	31.3	175.3
WA008039HF				79.9	63.4	12.0	32.7	175.7
LOUISE	74.4	80.0	74.3	79.6	62.3	11.5	36.7	176.3
<i>JD</i>		77.1	74.4	79.5	63.6	11.7	33.0	176.0
<i>JD (HSR)</i>				79.5	63.8	12.3	32.7	176.7
ALPOWA	72.3	78.2	74.8	78.2	62.6	11.5	33.3	179.0
<i>EDEN (HSR)</i>				77.8	63.3	11.5	30.0	174.7
NICK	72.3	75.1	72.8	77.6	62.0	12.4	31.0	174.3
ZAK	60.2	69.1	69.9	77.1	61.4	12.0	32.0	177.3
WA008089			72.9	77.0	63.2	11.3	32.7	175.3
<i>EDEN</i>	69.7	77.7	72.7	76.7	62.8	11.5	31.0	175.0
BABE		79.7	73.1	76.6	63.0	11.7	32.3	176.3
WAKANZ	71.1	75.6	75.0	75.3	61.7	12.0	31.3	180.0
WA008104				74.7	62.9	12.2	33.0	174.3
WHIT		74.6	69.9	74.3	61.7	11.9	31.0	173.3
CATALDO		71.2	66.1	73.0	60.4	11.7	28.7	171.7
WA008108				72.1	62.7	12.3	33.0	172.3
WA008090			71.2	72.0	62.5	11.7	33.7	175.7
WA008059		71.2	65.8	66.7	61.4	13.0	30.7	174.3
WA008058			64.1	64.0	62.2	13.0	31.7	174.7
C.V. %	7.1	6.2	5.8	6.9	0.6	2.6	3.3	0.4
LSD ¹ @ .10 ¹	3.1	3.7	4.1	7.3	0.5	0.4	1.5	1.0
Average	70.1	75.4	71.1	76.8	62.3	11.9	32.5	175.5
Highest	74.4	80.0	75.0	84.7	63.8	13.0	36.7	180.0
Lowest	60.2	69.1	64.1	64.0	60.4	11.0	28.7	171.7

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT PULLMAN, 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>WA008079</i>				79.6	61.2	12.7	36.7	174.0
<i>WA008100</i>				77.6	62.8	12.4	35.0	178.7
<i>WA008078</i>				71.6	61.5	14.0	35.0	174.0
<i>OTIS</i>				70.0	62.5	13.3	34.3	175.3
BULLSEYE			67.0	69.2	63.1	14.9	27.3	174.7
<i>WA008101</i>				68.5	61.6	13.0	35.0	172.3
LASSIK				68.2	62.0	14.8	27.0	176.0
SCARLET	65.3	71.5	68.1	68.0	60.0	15.6	32.0	174.0
WA008074				67.9	62.0	14.8	32.0	173.7
<i>BZ903-445WP</i>				66.6	61.1	14.4	31.0	174.3
BUCK PRONTO	67.5	69.0	65.3	65.2	60.7	16.2	32.3	172.3
UI WINCHESTER			67.3	65.0	62.0	14.8	30.7	172.7
HOLLIS	65.8	65.6	62.8	63.9	61.1	15.9	41.0	174.3
KELSE		70.5	66.7	63.7	61.1	15.4	32.7	174.7
JEFFERSON	68.3	68.6	65.1	63.6	61.8	15.7	31.0	173.0
NPBHR70			64.5	62.3	60.7	15.7	31.0	173.0
HANK	69.2	68.6	64.8	61.2	60.6	15.0	30.3	172.7
WA008076				61.2	61.8	15.3	39.7	172.0
<i>MACON</i>				61.1	61.4	12.9	31.3	173.7
TARA 2002	70.6	70.0	66.6	61.1	61.3	15.1	34.0	172.3
WESTBRED 926	67.2	66.7	63.7	61.1	60.2	15.8	30.7	172.3
OR4990114				61.0	61.2	14.7	29.7	171.7
JEDD		68.3	65.3	60.2	62.2	14.9	26.0	172.3
WA008027		69.9	65.8	59.3	60.7	16.3	36.3	175.3
VOLT		66.6	62.7	59.2	62.8	14.7	29.3	177.3
<i>RSII0348W</i>				59.1	61.6	14.0	26.7	172.0
WA008075				59.1	61.6	15.9	33.0	172.7
<i>CLEAR WHITE</i>				59.0	60.8	13.4	26.7	171.7
WA008072				58.8	61.7	15.3	30.3	172.7
<i>BLANCA GRANDE</i>				53.0	62.2	14.6	26.7	170.0
C.V. %	6.0	6.7	7.5	10.2	0.8	2.3	3.6	0.5
LSD '@ .10'	2.4	3.5	4.7	9.0	0.7	0.5	1.6	1.1
Average	67.7	68.7	65.4	64.2	61.5	14.7	31.8	173.5
Highest	70.6	71.5	68.1	79.6	63.1	16.3	41.0	178.7
Lowest	65.3	65.6	62.7	53.0	60.0	12.4	26.0	170.0

Pullman Hard Spring Wheat – Preliminary Data

1. Grain yield in the Pullman hard spring wheat trial averaged 64 bushels/acre, 3 bu/acre lower than the average 5-year yield for this location. The Pullman nursery was located about 2 miles south of Pullman, WA on the Spillman WSU agronomy farm (Ryan Davis, farm manager).
2. This nursery was seeded on 21 April, 2009 following dry pea. 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 90#N, 20#P and 20#S per acre, and a spring soil test showed adequate available nutrients for hard wheat. Spring seeding conditions were good 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 34% compared to a RCBD design. The CV was 10.2.
3. Yields ranged from 53 bu/ac to 80 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 30 entries are in this group. Hard white entries are listed in italic.
4. Test weights were good with an average of 61.5 lb/bu. Grain protein was high and averaged 14.7% with a range of 12.4% to 16.3%. The average plant height was 31.8 inches. No lodging occurred.

Pullman Soft White Wheat – Preliminary Data

1. Grain yield in the Pullman soft white spring wheat trial averaged 77 bushels/acre, 7 bu/acre higher than the average 5-year yield for this location. The Pullman nursery was located about 2 miles south of Pullman, WA on the Spillman WSU agronomy farm (Ryan Davis, farm manager).
2. This nursery was seeded on 21 April, 2009 following dry pea. 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 90#N, 20#P and 20#S per acre, and a spring soil test showed adequate available nutrients. Spring seeding conditions were good 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 95% compared to a RCBD design. The CV was 6.9.
3. Yields ranged from 64 bu/ac to 85 bu/ac a narrow range. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 24 entries are in this group. The top group is large in this trial due to the narrow range of yields and large number of high yielding lines and varieties. 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 62.3 lb/bu. Grain protein averaged 11.9% with a range of 11.0% to 13.0%. The average plant height was 32.5 inches. No lodging occurred.