

## 2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT CONNELL, WA.

Variety Name *Club Italicized	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	29	26	24	<b>31</b>	61.6	12.5	24	153
<b>WA008106</b>				<b>31</b>	62.6	12.3	24	152
ALTURAS	27	25	24	<b>30</b>	61.7	12.6	19	153
<b>WA008090</b>			29	<b>30</b>	62.0	12.6	24	154
<b>BZ604-002</b>				<b>30</b>	62.2	12.5	22	152
<i>JD (HSR)</i>				<b>30</b>	62.9	12.7	22	154
NICK	29	26	24	29	61.6	13.7	20	153
<i>JD</i>		24	24	29	63.0	12.8	22	154
WA008089			23	29	62.3	12.2	23	154
<b>WA008039HF</b>				29	62.5	13.4	21	153
ZAK	26	25	25	28	61.7	13.4	23	155
<i>EDEN</i>	26	24	23	28	63.0	12.2	19	153
CATALDO		23	23	28	60.3	13.2	20	152
<b>WA008104</b>				28	<b>63.4</b>	13.5	24	152
<i>EDEN (HSR)</i>				28	62.7	12.5	19	153
WAKANZ	27	25	23	27	60.7	13.7	21	156
<b>WA008112</b>				27	59.6	12.8	22	155
WHIT		22	22	26	61.6	13.4	20	151
BABE		23	21	26	62.6	13.4	21	153
<b>WA008108</b>				26	63.0	14.0	22	151
WA008059		21	21	25	61.3	14.2	23	153
ALPOWA	25	23	21	24	62.8	13.3	22	155
WA008041		22	22	24	61.1	13.6	21	155
<b>WA008058</b>			20	24	61.5	14.6	22	153
C.V. %	9	9	10	6	0.3	1.5	5	1
LSD <sup>1</sup> @ .10 <sup>1</sup>	1	2	2	2	0.3	0.3	1	1
Average	27	24	23	28	62.0	13.1	22	153
Highest	29	26	29	31	63.4	14.6	24	156
Lowest	25	21	20	24	59.6	12.2	19	151

1. Grain yield in the Connell soft white spring wheat trial averaged 28 bu/ac, just 1 bu/ac more than the average 5-year yield for this location. The Connell spring nursery was located about 5 miles east of Connell, WA (D. Bauermeister farm).
2. This nursery was seeded on 18 March, 2009 following summer fallow. Seed was placed at a 60#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 45#N and 15#S and soil test analysis showed an additional 165#N available. Spring seeding conditions were adequate and some spring rain made the outlook good for the spring crop until heading, when lack of moisture limited yield. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 21% compared to an RCBD design.
3. Yields ranged from 24 bu/ac to 31 bu/ac, with a CV of 6%. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 24 entries are in this group. Club entries are listed in italicized print and the (HSR) designation is a 20% higher seeding rate for the club entries.
4. Test weights were good with an average of 62.0 lb/bu. Grain protein averaged 13.1% with a range of 12.2 to 14.6% and is higher than desired due to yield level and the available N at this site. The average plant height was 22 inches.