

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

Variety Name <i>*Club 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
WA008090			41	55	<b>60.8</b>	11.0	29	168
NICK	54	42	40	<b>53</b>	60.1	11.9	24	166
LOUISE	58	42	39	<b>52</b>	60.2	11.3	27	168
WA008089			38	<b>52</b>	<b>60.7</b>	11.0	29	168
ZAK	47	41	40	<b>51</b>	59.9	11.9	31	171
BZ604-002				<b>51</b>	<b>60.4</b>	11.7	27	165
WA008059		40	39	<b>49</b>	59.1	13.0	28	166
WA008106				<b>49</b>	<b>60.7</b>	11.3	28	167
<i>JD (HSR)</i>				<b>49</b>	<b>60.6</b>	11.9	25	168
WA008058			36	<b>48</b>	59.7	12.8	28	166
CATALDO		35	32	47	59.1	11.3	23	164
BABE		41	37	47	<b>60.5</b>	10.9	28	169
WAKANZ	54	42	38	46	59.1	11.9	24	173
WA008041		40	37	46	58.8	11.8	26	168
WA008039HF				45	60.1	11.4	24	168
<i>JD</i>		37	35	44	<b>60.5</b>	11.6	28	169
<i>EDEN (HSR)</i>				44	<b>60.5</b>	11.2	23	167
ALTURAS	47	36	32	43	59.4	10.7	25	168
WA008112				43	58.3	11.1	26	171
<i>EDEN</i>	42	38	34	42	<b>60.5</b>	11.4	21	167
WA008108				41	<b>60.6</b>	11.8	27	164
WA008104				41	<b>60.9</b>	11.6	26	167
ALPOWA	46	37	33	40	60.2	11.2	24	173
WHIT		38	34	39	59.2	11.7	25	167
C.V. %	11	11	13	13	0.7	3.3	7	1
LSD <sup>1</sup> @ .10 <sup>1</sup>	3	4	5	8	0.6	0.5	3	1
Average	50	39	37	47	60.0	11.6	26	168
Highest	58	42	41	55	60.9	13.0	31	173
Lowest	42	35	32	39	58.3	10.7	21	164

1. Grain yield in the Lamont soft white spring wheat trial averaged 47 bu/ac, 3 bu/ac lower than the average 5-year yield for this location. The Lamont nursery was located about 4 miles southeast 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 disc 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 an RCBD design.
3. Yields ranged from 39 bu/ac to 55 bu/ac. The CV was 13% indicating there was more variability than desirable within this trial. 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 italicized print and the (HSR) designation is a 20% higher seeding rate for the club entries. 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 inches.