

## 2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ALMIRA, 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
<i>EDEN (HSR)</i>				<b>70</b>	60.5	11.2	29	175
LOUISE	57	54	60	<b>65</b>	60.2	11.4	34	176
<i>EDEN</i>	54	53	61	<b>65</b>	60.3	11.2	29	175
WHIT		54	62	<b>65</b>	59.7	11.6	30	172
WA008089			63	<b>65</b>	60.5	11.1	30	176
NICK	59	57	62	64	<b>60.8</b>	12.0	29	173
WA008039HF				64	<b>61.3</b>	11.6	30	173
BABE		56	62	63	<b>61.1</b>	11.5	31	176
BZ604-002				62	60.5	11.6	30	172
WA008041		53	60	61	58.0	11.7	32	177
WA008104				61	60.0	11.9	33	174
WA008106				61	<b>60.6</b>	11.3	33	172
<i>JD (HSR)</i>				60	<b>61.4</b>	11.9	30	174
WAKANZ	53	52	57	58	58.5	11.9	29	178
<i>JD</i>		54	59	58	<b>60.9</b>	11.6	30	174
WA008112				58	56.7	11.8	31	177
WA008108				58	<b>61.3</b>	11.7	33	171
ALPOWA	54	52	57	57	59.8	11.2	31	178
ZAK	48	50	55	57	59.1	11.9	31	176
WA008090			57	57	59.9	11.1	34	176
ALTURAS	51	50	55	55	59.5	11.4	29	175
WA008059		49	53	55	59.2	12.9	30	173
CATALDO		47	53	53	58.8	11.9	28	170
WA008058			54	53	59.7	12.8	31	173
C.V. %	8	7	7	8	1.1	2.5	4	0
LSD <sup>1</sup> @ .10 <sup>1</sup>	3	3	4	6	0.9	0.4	2	1
Average	54	52	58	60	59.9	11.7	31	174
Highest	59	57	63	70	61.4	12.9	34	178
Lowest	48	47	53	53	56.7	11.1	28	170

1. Grain yield in the Almira soft white spring wheat trial averaged 60 bu/ac, 10% higher than the average 5-year yield for this location. The Almira nursery was located about 10 miles north of Almira, WA (Dan McKay, cooperator).
2. This nursery was seeded on 20 April, 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 applied in the fall as 80#N and 10#S per acre, and a spring soil test showed more than adequate available nutrients. Spring seeding conditions were rated 7 on a 1-10 scale and spring rain made the outlook good for the spring crop. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 16% compared to an RCBD design.
3. Yields ranged from 53 bu/ac to 70 bu/ac, with a CV of 8%. Yield values within the LSD range of the highest yield are shown in bold and 7 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. The HSR treatment appears to have increased yield for both club varieties in the trial. Club varieties tend to have low tillering rates and the higher seeding rate might add heads that contribute to yield.
4. Test weights were good with an average of 59.9 lb/bu. Grain protein averaged 11.7% with a range of 11.1% to 12.9% and is higher than desired due to high available N at this site. The average plant height was 31 inches.