

## 2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT REARDAN, 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
ALTURAS	51	45	50	<b>66</b>	62.3	11.7	33	175
WA008106				<b>66</b>	62.6	11.8	37	174
ZAK	45	46	52	<b>63</b>	61.6	12.8	34	177
BABE		49	50	<b>63</b>	<b>62.9</b>	12.7	35	175
WHIT		46	49	<b>61</b>	62.1	12.2	33	172
BZ604-002				<b>61</b>	62.2	12.6	34	174
<i>JD</i>		41	45	<b>59</b>	<b>63.2</b>	12.9	34	174
WA008039HF				<b>59</b>	62.6	12.2	34	175
WA008104				58	<b>63.3</b>	12.7	35	174
<i>JD (HSR)</i>				58	<b>63.1</b>	12.9	35	174
LOUISE	53	44	50	57	62.1	11.9	38	176
CATALDO		39	41	56	61.4	12.3	30	171
WA008089			49	56	<b>63.1</b>	11.6	33	174
WA008090			45	55	62.2	12.7	35	175
ALPOWA	49	45	48	54	61.9	12.8	33	178
WA008112				53	61.3	12.1	33	177
WA008108				52	62.3	13.3	34	169
<i>EDEN (HSR)</i>				52	<b>63.1</b>	12.0	31	173
WAKANZ	53	41	46	50	60.5	13.1	32	178
NICK	49	41	43	50	61.8	13.2	32	172
WA008059		40	41	50	60.9	14.4	34	174
<i>EDEN</i>	47	38	38	44	62.6	12.3	29	173
WA008041		39	43	44	60.8	12.9	35	176
WA008058			36	39	60.8	14.3	33	174
C.V. %	9	10	10	11	0.8	2.0	4	1
LSD <sup>1</sup> @ .10 <sup>1</sup>	3	4	5	8	0.7	0.4	2	1
Average	50	43	45	55	62.1	12.6	34	174
Highest	53	49	52	66	63.3	14.4	38	178
Lowest	45	38	36	39	60.5	11.6	29	169

1. Grain yield in the Reardan soft white spring wheat trial averaged 55 bu/ac, about 5 bu/ac higher than the average 5-year yield for this location. The Reardan nursery was located about 7 miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 17 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill fitted with Cross-slot openers set on 10-inch spacing. Base fertilizer included 65#N and 5#S applied in the fall and 20#N, 4#P, and 4#S per acre applied in the spring. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 32% compared to an RCBD design.
3. Yields ranged from 39 bu/ac to 66 bu/ac, with a CV of 11%. Yield values within the LSD range of the highest yield are shown in bold and 10 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 62.1 lb/bu. Grain protein averaged 12.6% with a range of 11.6% to 14.4%. The average plant height was 34 inches.