

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

Variety Name <i>*Club Italicized</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
LOUISE	50	60	58	61	62.1	10.8	27	178
ALTURAS	47	57	57	60	60.9	10.9	23	176
BABE		58	56	60	61.8	11.4	25	176
WA008090			59	60	62.1	11.6	26	178
WA008112				60	60.3	11.2	25	179
WHIT		58	58	59	60.8	11.9	25	173
ZAK	46	55	55	58	60.6	12.3	27	178
<i>JD</i>		56	56	57	62.4	12.2	26	176
WA008089			55	57	62.0	11.0	25	178
WAKANZ	49	57	57	56	60.4	11.9	24	180
NICK	51	57	55	56	61.4	12.4	25	171
<i>EDEN</i>	49	56	55	56	62.2	11.5	23	175
WA008039HF				56	61.7	11.3	25	175
ALPOWA	48	55	54	55	62.2	11.6	25	178
WA008106				55	61.5	11.7	26	175
<i>JD (HSR)</i>				55	62.5	11.6	24	175
BZ604-002				54	62.0	12.1	25	172
WA008041		54	53	53	60.1	12.5	26	178
WA008108				53	62.2	12.8	25	172
CATALDO		53	50	51	60.5	11.6	24	171
WA008104				51	62.5	12.4	25	175
<i>EDEN (HSR)</i>				50	62.6	11.7	23	174
WA008058			46	46	60.9	13.6	25	174
WA008059		49	47	43	61.0	13.4	25	174
C.V. %	7	7	7	9	0.5	3.0	5	1
LSD ¹ @ .10 ¹	2	3	4	7	0.4	0.5	2	1
Average	49	56	55	55	61.5	11.9	25	175
Highest	51	60	59	61	62.6	13.6	27	180
Lowest	46	49	46	43	60.1	10.8	23	171

1. Grain yield in the Mayview soft white spring wheat trial averaged 55 bu/ac, 6 bu/ac higher than the average 5-year yield for this location. The Mayview nursery was located about 5 miles south of the Lower Granite Dam on the Snake River, WA or 12 miles northeast of Pomeroy, WA (Roger and Randy Koller, cooperators).
2. This nursery was seeded on 24 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 64#N and 10#S per acre. Spring seeding moisture conditions were rated 4 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the alpha lattice experimental design improved variation allocation during statistical analysis and the CV by 71% compared to an RCBD design.
3. Yields ranged from 43 bu/ac to 61 bu/ac, with a CV of 9%. Yield values within the LSD range of the highest yield are shown in bold and 16 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 61.5 lb/bu. Grain protein was high and averaged 11.9% with a range of 10.8% to 13.6%. The average plant height was 25 inches. No lodging occurred.