

## 2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT WALLA WALLA, 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
BABE		63	74	<b>103</b>	60.6	10.4	36	166
WA008089			75	<b>103</b>	60.7	10.6	37	165
WA008039HF				<b>102</b>	61.1	10.7	35	164
WA008106				<b>101</b>	<b>61.8</b>	10.7	40	164
ALPOWA	53	61	70	<b>99</b>	60.9	10.6	35	168
WAKANZ	56	64	73	<b>99</b>	59.4	10.9	33	167
<i>JD (HSR)</i>				<b>98</b>	<b>62.2</b>	11.4	37	165
ALTURAS	50	60	68	<b>97</b>	60.5	10.7	33	165
<i>EDEN</i>	53	62	69	<b>97</b>	<b>61.8</b>	10.6	32	165
LOUISE	58	64	71	<b>96</b>	60.8	10.5	39	166
NICK	54	63	71	<b>96</b>	60.5	11.3	34	164
WA008041		63	71	<b>96</b>	58.7	10.9	36	166
ZAK	57	66	74	95	60.1	11.2	35	166
WHIT		62	69	95	60.2	10.8	34	163
BZ604-002				95	<b>61.8</b>	11.0	35	163
<i>EDEN (HSR)</i>				95	<b>61.7</b>	10.6	33	166
WA008090			71	94	61.0	10.6	36	166
WA008108				93	61.0	11.2	35	162
<i>JD</i>		59	66	92	<b>61.9</b>	11.4	39	165
WA008112				92	58.3	10.8	35	167
WA008104				92	61.3	11.1	37	165
WA008059		60	67	90	60.9	12.1	35	165
CATALDO		58	64	89	60.2	11.2	30	162
WA008058			63	89	60.9	12.1	35	165
C.V. %	8	6	7	6	0.9	2.0	3	0
LSD <sup>1</sup> @ .10 <sup>1</sup>	3	3	5	8	0.7	0.3	2	1
Average	55	62	70	96	60.8	11.0	35	165
Highest	58	66	75	103	62.2	12.1	40	168
Lowest	50	58	63	89	58.3	10.4	30	162

1. Grain yield in the Walla Walla soft white spring wheat trial averaged 96 bu/ac, 41 bu/ac higher than the average 5-year yield for this location. The Walla Walla nursery was located about 5 miles south of Waitsburg, WA (Glen Smith, cooperator).
2. This nursery was seeded on 16 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill equipped with Cross-slot openers set on 10-inch spacing. Base fertilizer was applied at 110#N, 15#P and 15#S per acre, and a spring soil test showed 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 9% compared to an RCBD design.
3. Yields ranged from 89 bu/ac to 103 bu/ac, a very narrow yield spread. The CV was good at 6%. Yield values within the LSD range of the highest yield are shown in bold and 14 of the 24 entries are in this group, even though the LSD is 8 bu/ac. 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 60.8 lb/bu. Grain protein was good and averaged 11.0% with a range of 10.4% to 12.1%. The average plant height was 35 inches.