

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

Variety Name *Club Italicized	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		87	81	101	61.2	10.7	31	185
WA008090			82	100	61.8	11.0	33	185
<i>JD</i>		86	79	99	62.3	11.3	31	184
<i>JD (HSR)</i>				96	61.9	11.3	30	182
WA008089			78	95	61.7	10.5	32	185
WA008112				95	60.2	10.9	30	186
WA008106				95	61.7	10.8	33	182
LOUISE	84	85	77	94	60.8	10.9	32	185
WA008041		82	73	94	60.2	11.5	31	186
<i>EDEN (HSR)</i>				92	62.0	10.8	29	181
WAKANZ	82	83	75	91	60.0	11.1	29	187
<i>EDEN</i>	80	84	78	91	62.0	10.9	28	182
WHIT		82	74	91	61.0	11.0	29	182
ALPOWA	81	83	75	90	61.8	11.1	30	187
ALTURAS	75	79	70	90	60.8	10.5	28	184
WA008039HF				88	61.1	11.0	29	183
ZAK	78	84	75	87	60.9	10.9	30	186
NICK	83	82	75	87	61.1	11.3	27	182
WA008108				85	61.7	11.7	29	181
WA008104				85	62.3	11.8	30	183
BZ604-002				84	61.2	10.5	29	183
WA008058			69	78	60.5	12.6	30	183
CATALDO		72	63	77	59.8	11.1	27	180
WA008059		79	69	77	60.2	12.7	29	182
C.V. %	6	5	5	4	0.4	1.6	4	0
LSD ¹ @ .10 ¹	3	3	4	5	0.4	0.2	1	1
Average	80	82	75	90	61.2	11.2	30	184
Highest	84	87	82	101	62.3	12.7	33	187
Lowest	75	72	63	77	59.8	10.5	27	180

1. Grain yield in the Farmington soft white spring wheat trial averaged 90 bu/ac, 10 bu/ac higher than the 5-year yield average for this location. The Farmington nursery was located about 4 miles south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 4 May, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was applied at 115#N and 17#S per acre. Spring seeding conditions were good with moisture rated 9 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 25% compared to an RCBD design.
3. Yields ranged from 77 bu/ac to 101 bu/ac, with a CV of 4%. Yield values within the LSD range of the highest yield are shown in bold and 5 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. Average test weights were 61.2 lb/bu. Grain protein was good and averaged 11.2% with a range of 10.5% to 12.7%. The average plant height was 30 inches. No lodging occurred.