

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ST. JOHN, 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
LOUISE	72	75	75	95	61.7	10.6	33	173
WA008090			73	94	62.2	10.9	31	174
WHIT		74	77	91	61.2	10.8	30	171
BABE		70	70	91	62.2	10.7	29	173
BZ604-002				91	62.2	10.7	30	169
WA008089			67	89	62.7	10.4	31	174
<i>JD (HSR)</i>				89	63.4	11.3	31	172
ZAK	66	74	77	88	61.4	11.2	31	175
WAKANZ	71	75	78	88	61.5	11.1	28	176
ALTURAS	64	66	66	88	61.0	10.2	30	172
WA008112				88	60.8	10.7	31	176
WA008039HF				88	62.4	11.1	31	171
WA008041		70	73	87	60.7	11.2	31	173
WA008106				86	62.0	10.5	32	171
<i>EDEN (HSR)</i>				86	62.5	10.2	28	170
<i>JD</i>		66	64	85	63.0	11.1	29	173
<i>EDEN</i>	66	71	72	84	62.7	10.4	28	172
WA008104				84	62.8	11.5	31	173
ALPOWA	71	73	73	83	62.3	10.9	31	174
NICK	65	66	66	82	61.4	11.4	28	169
WA008059		67	68	78	61.7	12.1	31	170
WA008108				77	62.3	11.1	29	168
CATALDO		60	59	76	60.3	11.0	25	169
WA008058			59	73	61.8	12.3	29	171
C.V. %	7	8	8	4	0.4	2.6	5	1
LSD ¹ @ .10 ¹	3	4	6	5	0.3	0.4	2	2
Average	68	70	70	86	61.9	11.0	30	172
Highest	72	75	78	95	63.4	12.3	33	176
Lowest	64	60	59	73	60.3	10.2	25	168

1. Grain yield in the St. John soft white spring wheat trial averaged 86 bu/ac, 18 bu/ac higher than the average 5-year yield for this location. The St. John nursery was located about 3 miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 20 April, 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 70#N and 10#S per acre. Spring seeding conditions were good with moisture rated 7 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 51% compared to an RCBD design.
3. Yields range was narrow and went from 73 bu/ac to 95 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. Test weights were very good with an average of 61.9 lb/bu. Grain protein was good and averaged 11% with a range of 10.2% to 12.3%. The average plant height was 30 inches. No lodging occurred.