

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT PULLMAN, 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
WA008106				85	62.9	11.6	37	174
WA008112				82	60.7	11.8	33	180
ALTURAS	71	75	70	81	61.5	11.0	31	175
WA008041		76	71	81	60.7	11.5	34	177
BZ604-002				81	62.5	11.8	33	173
LOUISE	74	80	74	80	62.3	11.5	37	176
<i>JD</i>		77	74	80	63.6	11.7	33	176
WA008039HF				80	63.4	12.0	33	176
<i>JD (HSR)</i>				79	63.8	12.3	33	177
ALPOWA	72	78	75	78	62.6	11.5	33	179
NICK	72	75	73	78	62.0	12.4	31	174
<i>EDEN (HSR)</i>				78	63.3	11.5	30	175
ZAK	60	69	70	77	61.4	12.0	32	177
<i>EDEN</i>	70	78	73	77	62.8	11.5	31	175
BABE		80	73	77	63.0	11.7	32	176
WA008089			73	77	63.2	11.3	33	175
WAKANZ	71	76	75	75	61.7	12.0	31	180
WA008104				75	62.9	12.2	33	174
WHIT		75	70	74	61.7	11.9	31	173
CATALDO		71	66	73	60.4	11.7	29	172
WA008090			71	72	62.5	11.7	34	176
WA008108				72	62.7	12.3	33	172
WA008059		71	66	67	61.4	13.0	31	174
WA008058			64	64	62.2	13.0	32	175
C.V. %	7	6	6	7	0.6	2.6	3	0
LSD ¹ @ .10 ¹	3	4	4	7	0.5	0.4	1	1
Average	70	75	71	77	62.3	11.9	33	175
Highest	74	80	75	85	63.8	13.0	37	180
Lowest	60	69	64	64	60.4	11.0	29	172

1. Grain yield in the Pullman soft white spring wheat trial averaged 77 bu/ac, 7 bu/ac higher than the average 5-year yield for this location. The Pullman nursery was located about 2 miles south of Pullman, WA on the Spillman WSU Agronomy Farm (Ryan Davis, farm manager).
2. This nursery was seeded on 21 April, 2009 following dry pea. 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 90#N, 20#P and 20#S per acre, and a spring soil test showed adequate available nutrients. Spring seeding conditions were good 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 95% compared to an RCBD design.
3. Yields ranged from 64 bu/ac to 85 bu/ac, a narrow range. The CV was 7%. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 24 entries are in this group. The top group is large in this trial due to the narrow range of yields and large number of high yielding lines and varieties. 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 62.3 lb/bu. Grain protein averaged 11.9% with a range of 11.0% to 13.0%. The average plant height was 33 inches. No lodging occurred.