

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT ENDICOTT, 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
ALTURAS	--	62	69	74	61.2	11.6	28	165
WA008112	--			72	59.7	11.5	30	168
WAKANZ	--	58	62	68	60.1	12.1	28	169
WA008089	--		61	68	62.3	11.3	31	167
BZ604-002	--			67	61.9	12.5	30	165
WA008106	--			67	61.6	11.8	33	165
CATALDO	--	57	62	66	60.9	12.2	26	163
ZAK	--	58	62	65	60.7	12.8	30	168
WHIT	--	59	64	65	60.6	12.1	30	164
LOUISE	--	60	65	64	61.5	12.0	34	166
<i>JD (HSR)</i>	--			64	62.2	12.9	32	166
NICK	--	58	62	63	61.3	12.8	30	165
WA008090	--		65	61	61.3	12.0	32	166
ALPOWA	--	58	61	60	61.2	12.9	28	167
WA008041	--	54	56	60	59.8	12.9	30	166
BABE	--	55	57	59	60.6	12.2	29	165
<i>JD</i>	--	58	61	59	62.1	12.7	31	166
WA008104	--			59	62.1	12.6	32	166
WA008039HF	--			58	61.2	12.4	27	165
<i>EDEN (HSR)</i>	--			58	62.1	11.8	28	165
<i>EDEN</i>	--	54	55	57	62.1	11.9	27	165
WA008059	--	52	53	54	59.5	14.3	30	164
WA008108	--			54	61.2	12.7	29	164
WA008058	--		51	48	60.0	14.5	30	165
C.V. %	--	7	8	8	0.8	1.8	4	0
LSD ¹ @ .10 ¹	--	3	4	7	0.7	0.3	2	1
Average	--	57	60	62	61.1	12.4	30	166
Highest	--	62	69	74	62.3	14.5	34	169
Lowest	--	52	51	48	59.5	11.3	26	163

1. Grain yield in the Endicott soft white spring wheat trial averaged 62 bu/ac, about 8% higher than the average 3-year yield for this location. The Endicott nursery was located about 10 miles west of Colfax, WA (Mark Richter, cooperator).
2. This nursery was seeded on 7 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till, Cross-slot plot drill set on 10-inch spacing. Base fertilizer was applied as 85#N, 16#P, and 16#S per acre, and a spring soil test showed more than adequate available nutrients. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 56% compared to an RCBD design.
3. Yields ranged from 48 bu/ac to 74 bu/ac, with a CV of 8%. Yield values within the LSD range of the highest yield are shown in bold and 4 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. The HSR treatment appears to have increased yield for both club varieties in the trial. Club varieties tend to have low tillering rates and the higher seeding rate might add heads that contribute to yield.
4. Test weights were good with an average of 61.1 lb/bu. Grain protein averaged 12.4% with a range of 11.3% to 14.5% and is higher than desired due to high available N at this site. The average plant height was 30 inches.