

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT BICKLETON, 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
ALTURAS	--	--	29	28	59.4	11.5	21
<i>JD (HSR)</i>	--	--		28	61.6	12.1	20
ZAK	--	--	33	27	61.1	12.7	21
NICK	--	--	38	27	60.3	12.2	20
WA008112	--	--		27	58.2	12.2	22
BZ604-002	--	--		27	61.3	11.8	22
LOUISE	--	--	34	26	59.9	11.7	23
WHIT	--	--	35	26	59.7	12.0	20
<i>JD</i>	--	--	32	26	60.9	12.0	20
WA008104	--	--		26	60.9	12.4	21
WA008106	--	--		26	60.7	11.3	23
WAKANZ	--	--	33	25	59.3	12.1	19
BABE	--	--	32	25	61.3	12.0	21
WA008089	--	--	34	25	60.8	11.0	22
WA008039HF	--	--		25	60.8	12.0	23
WA008090	--	--	30	24	60.4	11.6	21
<i>EDEN</i>	--	--	31	23	61.1	11.3	20
<i>EDEN (HSR)</i>	--	--		23	60.5	11.5	19
ALPOWA	--	--	29	21	61.0	12.1	20
CATALDO	--	--	28	21	58.2	12.2	20
WA008059	--	--	28	21	60.6	13.9	22
WA008108	--	--		21	61.5	12.7	21
WA008041	--	--	29	19	60.1	12.7	21
WA008058	--	--	28	19	60.8	14.1	22
C.V. %	--	--	14	14	1.0	3.5	7
LSD ¹ @ .10 ¹	--	--	4	5	0.8	0.6	2
Average	--	--	31	25	60.4	12.1	21
Highest	--	--	38	28	61.6	14.1	23
Lowest	--	--	28	19	58.2	11.0	19

1. Grain yield in the Bickleton soft white spring wheat trial averaged 25 bu/ac, about 13 bu/ac lower than the 2008 average yield for this location. The Bickleton nursery was located about 3 miles east of Bickleton, WA (Steve Matsen, cooperater).
2. This nursery was seeded on 21 April, 2009 following spring wheat. Seed was placed at a 60#/acre seeding rate using a no-till plot drill fitted with Cross-slot openers set on 10-inch spacing. Spring seeding conditions were good with moisture rated 7 out of 10. Base fertilizer was 30#N, 5#P, and 5#S per acre applied in the spring. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 92% compared to an RCBD design.
3. Yields ranged from 19 bu/ac to 28 bu/ac. The CV was larger than desirable, 14%, but is not uncommon in low yielding trials. Yield values within the LSD range of the highest yield are shown in bold and 16 of the 24 entries are in this group. This large number of cultivars in the top LSD group shows that there are many great producing soft white cultivars. 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 60.2 lb/bu. Grain protein averaged 12.1% with a range of 11.0% to 14.1%. The average plant height was 21 inches.