

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT MOSES LAKE, 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 (%)	LODGING (%)	PLANT HT	HEAD DATE
WA008106	--	--	--	139	63.2	11.0	32	37	154
BZ604-002	--	--	--	133	62.2	10.2	43	35	154
NICK	--	--	--	128	62.3	11.0	8	33	154
WA008041	--	--	--	127	60.9	10.5	37	35	158
WA008039HF	--	--	--	126	63.4	10.8	32	35	156
ALTURAS	--	--	--	124	61.6	10.0	35	34	155
WA008089	--	--	--	124	62.9	10.5	52	36	156
WHIT	--	--	--	123	62.0	10.7	35	33	153
ZAK	--	--	--	122	61.5	10.4	63	35	158
CATALDO	--	--	--	122	61.2	10.4	0	32	153
WA008104	--	--	--	122	62.7	10.7	30	37	156
WAKANZ	--	--	--	120	61.9	10.8	35	34	159
<i>EDEN</i>	--	--	--	118	62.4	10.3	5	35	156
WA008108	--	--	--	118	62.3	10.3	50	31	153
<i>EDEN (HSR)</i>	--	--	--	115	62.6	10.2	7	34	156
ALPOWA	--	--	--	112	63.5	10.4	0	35	158
<i>JD (HSR)</i>	--	--	--	112	63.0	11.4	70	36	157
WA008059	--	--	--	110	61.7	11.8	88	35	155
WA008112	--	--	--	110	61.0	10.0	63	32	158
BABE	--	--	--	107	63.0	10.4	65	34	156
<i>JD</i>	--	--	--	105	62.7	11.0	48	37	157
WA008058	--	--	--	105	62.5	11.5	52	34	154
LOUISE	--	--	--	104	61.3	10.5	78	35	156
WA008090	--	--	--	100	61.9	10.8	47	34	156
C.V. %	--	--	--	8	0.8	6.3	73	3	1
LSD ' @ .10'	--	--	--	13	0.7	0.9	41	2	1
Average	--	--	--	118	62.2	10.7	41	35	156
Highest	--	--	--	139	63.5	11.8	88	37	159
Lowest	--	--	--	100	60.9	10.0	0	31	153

1. Grain yield in the Moses Lake irrigated soft white spring wheat trial averaged 118 bu/ac. The Moses Lake irrigated spring nursery was located about 6 miles east of Othello, WA on the WSU Othello Experimental Field Station and about 15 miles south of the Moses Lake winter wheat site.
2. This nursery was seeded on 27 March, 2009 following summer fallow. Seed was placed at a 90#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 220#. Spring seeding conditions were adequate and spring growing conditions created good yield potential. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 8% compared to an RCBD design.
3. Yields ranged from 100 bu/ac to 139 bu/ac, with a CV of 8%. 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 some clubs are planted at a 20% higher seeding rate indicated by (HSR).
4. Test weights were good with an average of 62.2 lb/bu. Grain protein averaged 10.7% with a range of 10.0 to 11.8%. The average plant height was 35 inches. Lodging varied among cultivars, but all cultivars had some lodging and should give a good indication of straw strength.