

2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT BICKLETON, WA.

Variety Name <small>*Club Italized</small>	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
<i>JD (HSR)</i>	--	--		28.2	61.6	12.1	20.0
ALTURAS	--	--	29.2	27.9	59.4	11.5	21.0
WA008112	--	--		27.3	58.2	12.2	22.0
NICK	--	--	38.0	27.2	60.3	12.2	20.3
BZ604-002	--	--		27.0	61.3	11.8	22.3
ZAK	--	--	33.2	26.7	61.1	12.7	20.7
LOUISE	--	--	33.6	26.3	59.9	11.7	23.3
WA008106	--	--		26.1	60.7	11.3	23.3
<i>JD</i>	--	--	32.1	26.0	60.9	12.0	20.0
WA008104	--	--		26.0	60.9	12.4	21.3
WHIT	--	--	34.9	25.9	59.7	12.0	20.3
WAKANZ	--	--	32.9	25.4	59.3	12.1	18.7
BABE	--	--	31.5	25.4	61.3	12.0	21.0
WA008039HF	--	--		25.4	60.8	12.0	22.7
WA008089	--	--	33.9	25.3	60.8	11.0	22.3
WA008090	--	--	30.0	24.4	60.4	11.6	21.3
<i>EDEN (HSR)</i>	--	--		23.5	60.5	11.5	19.3
<i>EDEN</i>	--	--	30.7	23.3	61.1	11.3	20.0
CATALDO	--	--	27.6	21.1	58.2	12.2	20.3
ALPOWA	--	--	29.1	21.0	61.0	12.1	19.7
WA008059	--	--	27.6	20.9	60.6	13.9	21.7
WA008108	--	--		20.8	61.5	12.7	21.0
WA008041	--	--	28.5	19.3	60.1	12.7	21.0
WA008058	--	--	28.2	19.0	60.8	14.1	22.3
C.V. %	--	--	13.6	13.9	1.0	3.5	7.0
LSD ¹ @ .10 ¹	--	--	4.0	4.7	0.8	0.6	2.0
Average	--	--	31.3	24.6	60.4	12.1	21.1
Highest	--	--	38.0	28.2	61.6	14.1	23.3
Lowest	--	--	27.6	19.0	58.2	11.0	18.7

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT BICKLETON, WA.

Variety Name *HDWH 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
<i>CLEAR WHITE</i>	--	--		27.1	61.0	13.1	20.3
<i>OTIS</i>	--	--		26.6	61.5	13.0	22.7
HANK	--	--	28.9	26.0	59.2	14.4	21.3
<i>WA008079</i>	--	--		25.6	60.0	13.2	23.0
<i>BZ903-445WP</i>	--	--		24.5	59.2	14.0	21.7
<i>WA008078</i>	--	--		24.1	60.5	14.4	22.7
<i>WA008101</i>	--	--		23.5	61.1	12.2	20.7
HOLLIS	--	--	27.7	23.1	60.4	14.0	25.7
UI WINCHESTER	--	--	25.7	22.7	60.3	13.8	18.0
<i>WA008074</i>	--	--		22.5	60.5	13.7	22.0
<i>WA008100</i>	--	--		22.1	60.1	13.3	22.3
SCARLET	--	--	27.3	22.0	59.3	14.3	22.7
JEDD	--	--	26.0	22.0	62.2	14.2	20.0
<i>WA008075</i>	--	--		21.9	60.3	14.7	21.3
BULLSEYE	--	--	28.1	21.8	62.0	13.2	19.3
<i>RSII0348W</i>	--	--		21.5	61.0	13.5	19.3
TARA 2002	--	--	25.5	21.0	60.5	15.0	22.7
KELSE	--	--	27.0	20.8	60.3	15.4	23.7
WESTBRED 926	--	--	26.2	20.6	60.0	15.1	21.7
VOLT	--	--	25.2	20.4	61.3	13.3	21.3
<i>WA008072</i>	--	--		20.2	59.6	14.6	20.7
<i>WA008027</i>	--	--	25.3	20.0	60.1	15.1	23.7
<i>BLANCA GRANDE</i>	--	--		19.5	61.1	15.1	20.0
<i>OR4990114</i>	--	--		19.5	58.9	14.1	21.3
<i>MACON</i>	--	--		19.4	59.0	13.2	20.3
JEFFERSON	--	--	25.7	19.1	59.4	14.5	19.7
LASSIK	--	--		18.9	60.2	14.0	19.7
<i>WA008076</i>	--	--		18.3	60.1	14.0	23.0
BUCK PRONTO	--	--	22.4	18.1	58.8	15.6	20.7
NPBHR70	--	--	24.0	17.5	59.0	15.4	19.7
C.V. %	--	--	11.5	13.7	1.5	3.6	8.1
LSD '@ .10'	--	--	2.7	4.1	1.3	0.7	2.4
Average	--	--	26.1	21.7	60.2	14.1	21.4
Highest	--	--	28.9	27.1	62.2	15.6	25.7
Lowest	--	--	22.4	17.5	58.8	12.2	18.0

Bickleton Hard Spring Wheat – Preliminary Data

1. Grain yield in the Bickleton hard spring wheat trial averaged 22 bushels/acre, about 9 bushels/acre lower than the 2008 average yield for this location. The Bickleton nursery was located about 3 miles east of Bickleton, WA (Steve Matsen, cooperator).
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, and an additional 25#N, 5#P, and 5#S of fertilizer was applied at planting for this hard trial. The Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 71% compared to a RCBD design. The CV was larger than desirable, 13.7%, but is not uncommon in low yielding trials.
3. Yields ranged from 18 bu/ac to 27 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 30 entries are in this group. Hard white entries are listed in italic and the six of the top seven yielding cultivars are hard whites cultivars.
4. Test weights were good with an average of 60.2 lb/bu. Grain protein averaged 14.1% with a range of 12.2% to 15.6%. The average plant height was 21 inches.

Bickleton Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Bickleton soft white spring wheat trial averaged 25 bushels/acre, about 13 bushels/acre lower than the 2008 average yield for this location. The Bickleton nursery was located about 3 miles east of Bickleton, WA (Steve Matsen, cooperator).
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 a RCBD design. The CV was larger than desirable, 13.9%, but is not uncommon in low yielding trials.
3. Yields ranged from 19 bu/ac to 28 bu/ac. 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 italic and the (HSR) designation is a 20% higher seeding rate for the club entry.
4. Test weights were good with an average of 60.2 lb/bu. Grain protein averaged 14.1% with a range of 12.2% to 15.6%. The average plant height was 21 inches.