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

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009 YIELD (BU/A)	2009 TEST WT (LBS/BU)	2009 PROTEIN (%)	2009 PLANT HT	2009 HEAD DATE
ALTURAS	- -	61.7	68.7	**74.1**	61.2	11.6	27.7	165.0
WA008112	- -			**72.3**	59.7	11.5	30.3	168.0
WAKANZ	- -	57.6	62.1	**68.5**	60.1	12.1	28.3	168.7
WA008089	- -		61.4	**68.0**	**62.3**	11.3	31.0	167.3
BZ604-002	- -			66.9	**61.9**	12.5	29.7	164.7
WA008106	- -			66.5	61.6	11.8	32.7	165.0
CATALDO	- -	57.1	61.7	66.1	60.9	12.2	25.7	163.3
ZAK	- -	58.2	61.9	65.2	60.7	12.8	30.3	167.7
WHIT	- -	59.4	63.6	65.0	60.6	12.1	30.0	164.0
JD (HSR)	- -			63.9	**62.2**	12.9	31.7	166.0
LOUISE	- -	60.5	64.6	63.6	61.5	12.0	34.0	166.3
NICK	- -	58.2	61.6	62.6	61.3	12.8	30.0	164.7
WA008090	- -		64.6	60.8	61.3	12.0	32.3	166.0
ALPOWA	- -	58.0	61.0	60.0	61.2	12.9	27.7	167.3
WA008041	- -	53.7	56.3	60.0	59.8	12.9	30.3	166.3
BABE	- -	55.4	56.6	59.5	60.6	12.2	29.0	164.7
JD	- -	58.3	60.8	58.9	**62.1**	12.7	30.7	166.3
WA008104	- -			58.5	**62.1**	12.6	31.7	165.7
WA008039HF	- -			58.3	61.2	12.4	27.3	165.0
EDEN (HSR)	- -			57.9	**62.1**	11.8	28.0	165.0
EDEN	- -	54.3	55.3	56.6	**62.1**	11.9	27.0	165.3
WA008108	- -			54.1	61.2	12.7	29.3	163.7
WA008059	- -	52.4	52.5	53.7	59.5	14.3	30.3	164.0
WA008058	- -		51.3	48.4	60.0	14.5	29.7	165.0
C.V. %	- -	6.6	7.5	7.8	0.8	1.8	3.7	0.5
LSD '@ .10'	- -	3.0	4.4	6.7	0.7	0.3	1.5	1.1
Average	- -	57.3	60.3	62.1	61.1	12.4	29.8	165.6
Highest	- -	61.7	68.7	74.1	62.3	14.5	34.0	168.7
Lowest	- -	52.4	51.3	48.4	59.5	11.3	25.7	163.3

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

Variety Name *HDWH Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009 YIELD (BU/A)	2009 TEST WT (LBS/BU)	2009 PROTEIN (%)	2009 PLANT HT	2009 HEAD DATE
WA008100	- -			**77.1**	**62.9**	12.5	32.3	168.3
BZ903-445WP	- -			**76.9**	61.0	15.2	29.7	164.7
OTIS	- -			**75.9**	62.5	14.2	34.3	167.0
SCARLET	- -	61.9	66.8	**72.5**	61.1	15.6	33.0	166.0
WA008079	- -			69.8	62.0	13.2	33.7	165.7
WA008101	- -			66.5	62.0	14.0	32.7	164.3
HANK	- -	56.2	59.7	65.1	62.0	15.9	28.7	164.3
HOLLIS	- -	55.1	60.3	64.6	61.8	16.1	36.7	165.0
KELSE	- -	56.5	61.8	63.6	61.1	16.9	31.0	165.3
LASSIK	- -			63.3	61.7	15.0	26.3	167.0
UI WINCHESTER	- -		58.8	62.4	62.1	15.9	30.0	164.3
JEFFERSON	- -	56.9	61.0	61.9	62.1	15.8	29.0	165.0
MACON	- -			61.8	61.9	13.5	30.0	163.3
JEDD	- -	53.2	56.1	61.3	**63.0**	15.2	24.7	164.3
WA008074	- -			61.1	61.9	15.9	30.0	165.0
VOLT	- -	52.2	55.1	60.6	62.2	15.5	27.0	166.7
WA008078	- -			60.6	61.7	15.3	31.3	166.3
OR4990114	- -			60.0	61.9	15.1	27.3	164.7
BULLSEYE	- -		53.9	59.4	**62.7**	14.8	26.3	166.0
WA008027	- -	52.7	56.1	59.3	61.4	17.4	33.0	164.7
TARA 2002	- -	54.9	59.1	59.1	61.2	16.8	31.3	163.0
RSI10348W	- -			56.3	61.9	14.9	25.7	164.3
WA008075	- -			54.8	62.2	16.7	28.7	163.7
WA008072	- -			54.7	61.8	15.7	29.0	164.3
NPBHR70	- -		50.4	54.5	61.1	16.3	27.3	164.7
BUCK PRONTO	- -	48.3	49.8	54.3	60.8	17.1	28.3	164.0
CLEAR WHITE	- -			54.3	61.8	14.1	26.3	163.3
WESTBRED 926	- -	49.6	51.2	52.8	61.1	16.9	28.0	163.3
WA008076	- -			50.7	62.0	16.0	35.3	163.0
BLANCA GRANDE	- -			42.8	61.9	15.7	25.7	163.3
C.V. %	- -	6.6	7.5	6.6	0.4	1.6	3.0	0.5
LSD '@ .10'	- -	2.9	4.2	5.5	0.4	0.3	1.2	1.1
Average	- -	54.3	57.1	61.3	61.8	15.4	29.8	164.8
Highest	- -	61.9	66.8	77.1	63.0	17.4	36.7	168.3
Lowest	- -	48.3	49.8	42.8	60.8	12.5	24.7	163.0

Endicott Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Endicott soft white spring wheat trial averaged 62 bushels/acre, 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 a 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 a RCBD design.
3. Yields ranged from 48 bu/ac to 74 bu/ac. 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 italic and the (HSR) designation is a 20% higher seeding rate for the club entry. The HSR treatment appears to have increased yield for both club varieties in the trial. Club varieties tend to 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 29.8 inches.

Endicott Hard Spring Wheat – Preliminary Data

1. Grain yield in the Endicott hard spring wheat trial averaged 61 bushels/acre, about 13% 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 a 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, thus no additional fertilizer was added for the hard trial. The Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 120% compared to a RCBD design.
3. Yields ranged from 43 bu/ac to 77 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 36 entries are in this group. Hard white entries are listed in italic and five of the top six yielding cultivars are hard whites cultivars.
4. Test weights were good with an average of 61.8 lb/bu. Grain protein averaged 15.4% with a range of 12.5% to 17.4% and is due to high available N at this site. The average plant height was 29.8 inches.