2009 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT DAYTON, 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
WAKANZ	55.7	62.4	54.7	**48.1**	56.5	12.7	25.3	167.5
NICK	53.8	56.9	52.4	**45.7**	59.0	13.2	23.7	162.5
ZAK	52.3	57.0	51.0	**44.6**	56.7	13.5	25.3	167.5
BZ604-002				43.6	59.1	13.3	24.0	164.0
WA008112				43.1	54.9	12.5	26.3	167.5
JD (HSR)				43.0	**59.5**	13.2	27.0	166.0
EDEN (HSR)				42.6	**59.7**	12.2	22.0	165.5
LOUISE	52.2	58.5	51.7	42.2	57.9	12.3	27.0	166.0
BABE		54.6	47.8	42.2	58.2	12.7	23.7	166.5
ALTURAS	49.0	51.0	46.6	41.7	57.2	12.3	23.3	165.5
JD		56.1	50.1	41.6	**59.4**	13.0	22.7	165.0
WA008090			52.1	40.6	58.2	12.5	26.3	167.5
WA008089			48.6	39.9	57.7	12.3	26.3	167.5
EDEN	50.3	53.6	47.2	39.7	**59.5**	12.1	23.0	164.5
WHIT		56.4	50.8	39.4	57.5	13.0	23.7	164.5
WA008108				39.3	**59.3**	13.6	24.0	164.5
WA008106				39.0	58.4	12.0	26.3	165.0
WA008039HF				35.6	58.5	12.7	24.3	165.0
WA008041		53.6	46.4	35.0	56.3	12.8	26.3	167.0
CATALDO		48.0	40.6	34.7	57.4	13.2	21.0	162.5
ALPOWA	50.1	53.8	45.4	34.1	57.6	12.5	25.0	167.5
WA008104				34.1	58.6	12.9	25.0	165.0
WA008059		50.2	42.4	29.8	56.9	14.6	24.3	165.0
WA008058			39.8	26.0	57.1	14.5	26.3	165.0
C.V. %	6.8	7.0	6.2	8.0	0.8	1.7	6.1	0.4
LSD '@ .10'	2.1	2.8	2.8	4.4	0.6	0.3	2.1	0.9
Average	51.9	54.8	48.0	39.4	58.0	12.9	24.7	165.6
Highest	55.7	62.4	54.7	48.1	59.7	14.6	27.0	167.5
Lowest	49.0	48.0	39.8	26.0	54.9	12.0	21.0	162.5

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT DAYTON, 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
WA008079				**43.0**	57.9	13.6	28.0	166.5
OTIS				**41.9**	58.5	13.8	27.0	166.0
HANK	52.6	55.9	49.0	**40.1**	58.6	15.9	23.3	162.0
LASSIK				**40.1**	59.4	14.4	22.7	166.5
KELSE		55.8	50.3	**39.8**	58.5	16.0	26.7	165.0
BULLSEYE			49.9	**39.8**	**59.9**	14.9	23.0	166.0
BZ903-445WP				**38.5**	57.9	14.6	24.7	163.5
SCARLET	52.9	57.8	51.1	37.4	57.1	15.3	24.3	166.5
JEFFERSON	51.6	54.5	48.9	36.7	**59.8**	14.8	24.0	164.5
VOLT		53.9	49.2	36.3	59.0	14.2	22.7	167.0
WA008100				36.0	57.3	12.6	26.3	167.0
JEDD		52.2	45.7	34.9	**60.1**	14.8	21.3	162.0
MACON				34.2	58.6	13.7	24.3	162.5
WA008101				33.7	59.0	12.8	26.0	164.0
RSI10348W				33.6	**59.7**	14.1	21.7	163.0
WA008078				33.3	58.9	14.8	27.0	164.5
BUCK PRONTO	47.8	49.6	43.2	32.8	58.1	17.0	24.0	159.0
HOLLIS	48.8	51.6	44.9	32.0	58.8	15.6	26.0	164.5
WA008027		50.8	42.9	31.7	58.4	16.2	26.0	165.5
UI WINCHESTER			42.7	31.6	**60.1**	15.4	22.0	161.0
WA008075				29.6	59.1	16.3	25.0	164.0
WA008076				29.4	58.3	15.3	27.0	162.0
CLEAR WHITE				29.3	58.6	13.5	21.3	162.0
WA008074				29.2	58.9	15.1	23.3	164.5
OR4990114				29.1	58.4	15.0	21.7	164.0
NPBHR70			42.8	28.8	58.0	15.8	22.0	163.0
WA008072				27.0	58.7	15.3	22.0	164.5
WESTBRED 926	49.6	50.3	41.8	26.6	58.0	16.6	23.0	161.0
BLANCA GRANDE				25.1	**60.2**	15.6	18.0	159.5
TARA 2002	48.7	51.4	43.1	25.0	58.1	16.0	24.3	159.5
C.V. %	6.6	7.4	7.1	10.3	0.8	2.0	6.0	0.8
LSD '@ .10'	1.9	2.7	2.8	4.7	0.7	0.4	2.0	1.7
Average	50.3	53.1	46.1	33.5	58.7	15.0	24.0	163.7
Highest	52.9	57.8	51.1	43.0	60.2	17.0	28.0	167.0
Lowest	47.8	49.6	41.8	25.0	57.1	12.6	18.0	159.0

Dayton Hard Spring Wheat – Preliminary Data

1. Grain yield in the Dayton hard spring wheat trial averaged 34 bushels/acre, 17 bu/acre lower than the average 5-year yield for this location. The low yields at this site indicate below average conditions that were evident from emergence through harvest. Soil compaction is suspected to have contributed to limiting yield potential. The Dayton nursery was located about 6 miles North of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 16 April, 2009 following winter wheat. Seed was placed at an 80#/ acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was applied at 137#N, 10#P and 15#S per acre, and a spring soil test showed that no additional fertilizer was needed for the hard wheat trial to meet university fertilization guidelines. Spring seeding conditions were good with moisture rated 6 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the Alpha Lattice experimental design did not improve variation allocation during statistical analysis and the CV compared to a RCBD design. The CV was 10.3.
3. Yields ranged from 25 bu/ac to 43 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 30 entries are in this group. Hard white entries are listed in italic.
4. Average test weights were lower than usual at 58.7 lb/bu. Grain protein was high and averaged 15.0% with a range of 12.6% to 17.0%. The average plant height was 24 inches, showing the limited plant growth at this site. No lodging occurred.

Dayton Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Dayton soft white spring wheat trial averaged 39 bushels/acre, 13 bu/acre lower than the average 5-year yield for this location. The low yields at this site indicate below average conditions that were evident from emergence through harvest. Soil compaction is suspected to have contributed to limiting yield potential. The Dayton nursery was located about 6 miles North of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 16 April, 2009 following winter wheat. Seed was placed at an 80#/ acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was applied at 137#N, 10#P and 15#S per acre, and a spring soil test showed more than adequate available nutrients. Spring seeding conditions were good with moisture rated 6 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the Alpha Lattice experimental design improved variation allocation during statistical analysis and the CV by 51% compared to a RCBD design. The CV was 8.
3. Yields ranged from 26 bu/ac to 48 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 3 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.
4. Average test weights were lower than usual at 58.0 lb/bu. Grain protein was high and averaged 12.9% with a range of 12.0% to 14.6%. The average plant height was 25 inches, showing the limited plant growth at this site. No lodging occurred.