

2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT CONNELL, WA.

Variety Name <i>*Club Italized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
NICK	32.5	32.1	37.3	29.5	61.2	13.6	22.7	147.7
WAKANZ	30.7	29.6	34.1	29.1	58.8	12.7	21.3	151.0
LOUISE	33.4	31.4	36.5	29.0	61.7	12.2	26.7	149.0
ZAK	28.1	27.0	32.5	26.7	59.8	13.2	23.0	150.3
ARS05S303				26.7	58.6	13.0	21.3	151.0
ALTURAS	29.8	28.2	33.1	26.5	60.2	12.2	21.3	149.3
ALPOWA	29.2	26.9	32.3	25.7	61.6	13.1	23.3	150.3
<i>WA008047</i>				25.6	61.7	13.1	23.0	151.0
<i>EDEN</i>	29.9	28.4	32.9	24.8	62.4	12.4	21.7	148.7
WA008039				24.8	60.8	13.3	22.3	150.0
WA008046				24.8	59.2	13.2	24.7	149.0
WA008043				23.5	61.2	13.3	19.3	150.0
UI CATALDO			31.1	23.1	60.5	13.1	23.0	147.0
WA008041				23.1	59.3	13.2	22.3	150.0
WA008008			30.6	22.5	60.0	13.0	22.0	146.7
WA008044				22.5	61.2	13.6	20.7	150.0
WA008059				22.0	60.1	14.1	24.7	148.3
<i>WA007989</i>				21.3	58.8	14.0	17.0	152.0
C.V. %	7.6	8.0	7.3	6.9	1.8	1.6	--	--
LSD '@ .10'	1.3	1.7	2.1	2.4	1.5	0.3	--	--
Average	30.5	29.1	33.4	25.1	60.4	13.1	22.2	149.5
Highest	33.4	32.1	37.3	29.5	62.4	14.1	26.7	152.0
Lowest	28.1	26.9	30.6	21.3	58.6	12.2	17.0	146.7

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Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOLO	29.3	28.4	32.3	25.0	61.4	15.3	25.0	148.7
WAIKEA		28.6	31.7	24.9	60.6	14.7	25.3	147.7
OTIS	28.1	26.6	29.9	24.3	61.8	14.9	26.7	149.7
WQL9HDALP			31.5	24.3	61.2	13.4	23.0	149.3
BZ903-445WP-d			31.4	23.4	61.2	15.5	23.7	147.7
WA008036				23.3	61.7	15.1	26.7	148.0
WA008035				22.4	60.7	15.1	24.0	146.3
WA008038				21.8	61.8	14.9	25.7	147.0
PATWIN				21.5	58.8	16.0	18.3	150.7
MACON	24.8	23.4	28.5	20.6	60.6	14.8	24.0	147.7
CLEAR WHITE				20.4	61.0	14.2	21.7	145.7
BLANCA GRANDE	24.4	22.5	25.7	19.3	61.3	15.4	22.3	144.3
C.V. %	8.7	7.1	6.5	7.4	0.9	2.2	--	--
LSD '@ .10'	1.4	1.5	1.8	4.1	1.3	0.8	--	--
Average	26.7	25.9	30.1	22.6	61.0	14.9	23.9	147.7
Highest	29.3	28.6	32.3	25.0	61.8	16.0	26.7	150.7
Lowest	24.4	22.5	25.7	19.3	58.8	13.4	18.3	144.3

2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT CONNELL, WA.

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
SCARLET	27.4	26.2	31.5	25.4	59.9	16.7	25.3	149.3
WA008034				24.3	59.0	16.0	25.7	149.3
HOLLIS	25.8	25.3	29.3	24.0	61.4	16.1	27.7	148.7
WA008013				23.3	61.8	17.2	27.7	148.3
JEFF/PRONTO			28.0	23.1	60.5	17.0	24.0	146.7
JEFFERSON	26.8	26.6	31.1	22.7	61.3	17.1	24.0	147.0
RSI50076				22.2	60.5	15.4	19.7	148.7
WA008030				22.0	62.0	17.0	24.3	148.7
TARA 2002	24.8	24.8	29.5	21.6	60.2	16.6	25.3	146.0
HANK	24.9	24.3	28.7	21.4	61.4	16.9	24.0	147.3
CABERNET				21.3	61.2	17.0	18.3	148.0
ACS52610			29.0	20.9	60.8	15.4	22.0	150.0
WA008027				20.6	60.2	18.1	26.0	148.7
WA007954			28.1	20.5	60.9	17.2	25.7	149.7
BZ999-339		23.7	28.1	20.4	61.0	17.3	24.3	146.7
GRANAR				20.1	60.3	16.8	22.3	150.3
WA008031				20.0	60.3	18.0	24.7	148.7
WESTBRED 926	22.7	22.4	27.3	19.9	60.7	17.1	24.3	145.7
JEROME	23.9	22.7	26.0	19.6	61.4	16.6	23.7	147.0
BUCK PRONTO		22.4	26.0	19.4	60.9	17.5	23.7	145.0
JEDD			26.7	19.0	62.4	16.7	21.7	146.7
C.V. %	9.4	6.9	6.7	5.1	0.6	1.8	--	--
LSD '@ .10'	1.4	1.3	1.7	1.5	0.5	0.4	--	--
Average	25.2	24.3	28.4	21.5	60.9	16.8	24.0	147.9
Highest	27.4	26.6	31.5	25.4	62.4	18.1	27.7	150.3
Lowest	22.7	22.4	26.0	19.0	59.0	15.4	18.3	145.0

CONNELL SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Connell, WA location averaged 25.1, 22.6, and 21.5 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2007 spring wheat **average yields were lower** by (17.7%), (28.4%) and (19.7%) for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the previous historical 3-year average. However, yield rankings followed 3-year yield rank trends. Yield levels below historical yields is most likely a function of cold, dry weather patterns during the spring growing period from March through May 2007 that delayed early growth and development of root systems and crowns. *NOTE: This nursery was located, approximately 5 miles east of Connell, WA adjacent Blackburn Road (D. Bauermeister farm).*
2. This nursery was planted (14 March 2007) on summer fallow with a double disc plot drill (6-inch spacing) at a 60#/acre seeding rate. Base fertilizer was 50#N, 10#S.
3. In contrast to below average yields, **TEST WEIGHT** values (average range across market classes was 58.6 lb/bu to 62.4 lb/bu) were fairly high, probably influenced most by a period of cooler temperatures during grain fill for about a 10-day period starting on 6 June 2007.
4. **GRAIN PROTEIN** values were averaged 13.1%, 14.9% and 16.8% for soft white, hard white and hard red spring market classes, respectively. Some of the elevated protein values are undoubtedly related to dry, hot conditions during late June coupled with below average grain production and fairly high residual fertility levels on this summer fallow ground. The fertility levels favored hard spring market classes.