

2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT FARMINGTON, 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
ZAK	85.7	79.7	87.9	103.6	59.3	11.9	37.7	178.0
LOUISE	92.3	88.3	99.2	101.4	59.0	11.4	40.0	177.0
WAKANZ	89.4	86.8	96.2	100.3	57.6	12.4	35.3	180.5
ALPOWA	91.9	84.7	92.3	100.0	59.8	11.6	37.7	179.5
<i>WA008047</i>				99.6	60.9	11.8	40.3	177.0
WA008039				99.1	60.0	10.9	36.7	176.0
WA008059				99.1	60.3	12.3	36.7	174.5
<i>WA007989</i>				98.5	59.4	12.4	33.0	181.0
WA008041				98.2	57.7	11.3	39.0	178.0
WA008008			90.2	97.3	59.2	12.0	36.0	175.5
<i>EDEN</i>	92.1	81.5	93.0	96.8	61.5	11.2	36.0	176.5
ALTURAS	86.6	77.9	91.1	95.9	59.9	11.0	35.7	177.0
NICK	92.5	87.6	93.1	95.0	59.0	12.1	35.7	175.0
WA008043				94.4	59.7	11.5	32.7	178.5
WA008044				93.2	59.8	11.4	35.0	180.0
UI CATALDO			90.1	90.4	59.0	12.3	35.7	169.5
WA008046				88.1	58.3	12.1	37.0	176.0
ARS05S303				87.4	56.9	11.9	32.7	178.5
C.V. %	6.7	6.1	5.7	4.5	0.9	3.4	--	--
LSD '@ .10'	3.7	4.2	5.2	10.4	0.7	0.6	--	--
Average	90.1	83.8	92.6	96.6	59.3	11.8	36.3	177.1
Highest	92.5	88.3	99.2	103.6	61.5	12.4	40.3	181.0
Lowest	85.7	77.9	87.9	87.4	56.9	10.9	32.7	169.5

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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
OTIS	87.6	82.1	93.6	100.5	59.4	12.7	41.7	176.5
WAIKEA		89.5	96.2	100.3	56.8	13.4	39.7	172.0
LOLO	88.9	81.1	91.9	99.2	60.1	13.1	36.0	175.5
BZ903-445WP-d			102.0	99.2	57.0	14.3	40.0	174.0
WQL9HDALP			89.4	96.0	59.0	11.1	37.0	177.5
WA008038				96.0	59.4	13.1	41.3	173.0
CLEAR WHITE				87.7	58.5	12.8	31.7	171.0
WA008036				85.5	59.9	13.0	41.0	175.5
WA008035				85.3	58.3	13.4	35.7	173.0
MACON	81.4	73.8	79.0	84.9	57.3	13.3	37.7	174.0
BLANCA GRANDE	80.6	72.5	74.2	83.5	60.7	14.0	31.7	168.5
PATWIN				80.6	55.5	14.5	31.0	180.0
C.V. %	7.6	6.6	6.9	6.0	1.3	3.9	--	--
LSD '@ .10'	4.0	4.3	5.9	13.4	1.9	0.7	--	--
Average	84.6	79.8	89.5	91.5	58.5	13.2	37.0	174.2
Highest	88.9	89.5	102.0	100.5	60.7	14.5	41.7	180.0
Lowest	80.6	72.5	74.2	80.6	55.5	11.1	31.0	168.5

2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT FARMINGTON, 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
BUCK PRONTO		80.3	86.0	89.7	59.2	15.1	37.3	169.5
HANK	88.0	79.2	85.6	88.8	57.3	14.9	35.3	173.5
WA008027				88.8	58.9	15.5	40.7	175.5
WA008034				87.9	57.8	14.2	38.7	175.5
BZ999-339		79.0	86.0	87.5	57.4	14.7	37.3	171.5
WA008030				86.5	58.5	14.8	38.0	177.0
JEFF/PRONTO			81.3	86.0	57.7	15.3	38.0	171.5
GRANAR				85.9	58.8	14.8	36.0	177.0
JEFFERSON	83.6	75.5	81.0	85.8	59.1	15.0	37.7	174.5
WESTBRED 926	84.6	80.6	85.7	85.4	56.3	15.7	35.7	171.0
SCARLET	82.8	73.0	82.4	85.1	57.6	14.6	36.7	173.5
JEDD			78.5	84.7	59.7	14.5	33.0	171.5
TARA 2002	81.3	75.6	81.4	84.6	59.7	14.8	37.3	170.5
JEROME	82.0	75.2	80.1	83.1	57.7	14.0	35.0	171.5
WA007954			76.6	82.0	58.2	15.0	37.0	175.0
WA008013				78.7	59.2	15.9	46.0	173.5
HOLLIS	76.2	71.6	77.9	77.2	58.7	15.3	44.3	175.0
ACS52610			76.4	76.6	60.1	14.0	34.3	177.0
RSI50076				75.2	57.1	13.7	30.3	174.5
WA008031				75.2	56.9	16.1	39.0	175.0
CABERNET				69.2	57.9	14.5	27.3	173.5
C.V. %	6.9	7.6	8.0	8.9	1.3	3.6	--	--
LSD '@ .10'	3.4	4.6	6.3	10.3	1.1	0.8	--	--
Average	82.7	76.7	81.5	83.0	58.3	14.9	36.9	173.7
Highest	88.0	80.6	86.0	89.7	60.1	16.1	46.0	177.0
Lowest	76.2	71.6	76.4	69.2	56.3	13.7	27.3	169.5

FARMINGTON SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Farmington, WA location averaged 96.6, 91.5, and 83.0 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The average yields for the soft and hard white market classes were slightly above a previous 3-yr average but the average yields for the hard red spring nursery were slightly below (-7.4%) a previous 3-yr average at this location
2. *NOTE: This nursery was located, approximately 1 mile south of Farmington, WA on the Farmington/Garfield Rd (B. Nelson (Evelyn Crowe) farm).*
3. This nursery was planted (16 April 2007) on re-crop ground following winter wheat with a double disc plot drill (6-inch spacing) at a 80#/acre seeding rate. A March 2007 soil test showed 13.5 inches moisture in the top 4-feet. Base fertilizer was 120#N and 18#S. Based on a March 2007 soil test analysis, additional fertilizer was applied at the following rates: (40#N, 6#S) and (85#N, 13#S) hard white and hard red spring nurseries, respectively.
4. Average to slightly higher than average **yield levels** in the soft and hard white nurseries were probably supported most by the cool June 2007 temperatures and June precipitation in spite of cool, dry spring conditions and below normal precipitation from Mar through May. In addition, this nursery was planted on an ideal piece of ground and had excellent soil moisture indicated by the March soil test showing over 13 inches of moisture in the top 4-feet. This nursery was also sprayed with a fungicide for stripe rust control, even though the incidence of stripe rust was minimal in this area in 2007. Yield rankings seemed to track fairly closely with historical 3-yr average yield ranking in all market classes.
5. **TEST WEIGHT** values were off slightly, especially in the hard red spring nursery (average range across market classes was 58.3 lb/bu to 59.3 lb/bu) indicating that the nurseries probably suffered a little from heat stress during the first part of July 2007 during kernel development.
6. **GRAIN PROTEIN** values averaged 11.8%, 13.2% and 14.9% for soft white, hard white and hard red spring market classes, respectively.