

## 2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT DAYTON, 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
WAKANZ	63.3	56.4	71.6	77.8	58.3	10.8	29.7	176.5
LOUISE	62.6	52.6	67.9	72.1	58.9	10.9	33.0	175.0
ALPOWA	60.3	53.2	65.6	70.8	59.5	10.9	31.0	172.5
WA008043				69.2	59.7	11.1	27.3	173.5
ZAK	55.4	53.1	68.7	69.1	59.0	11.6	33.0	176.0
<i>WA008047</i>				68.2	60.7	11.3	30.0	174.5
WA008041				68.1	57.5	11.3	31.3	175.0
WA008039				68.0	58.9	11.0	30.7	174.0
WA008008			65.8	67.6	58.5	11.3	29.3	172.5
<i>EDEN</i>	60.3	52.4	66.1	66.4	60.7	10.8	29.0	172.5
ARS05S303				66.4	56.3	11.9	29.7	176.5
NICK	62.7	54.7	69.3	66.0	59.8	11.8	28.7	171.5
WA008059				65.9	59.7	12.4	31.3	169.0
WA008046				65.0	58.9	11.5	31.7	171.5
UI CATALDO			61.1	63.0	59.0	11.6	28.7	167.5
WA008044				62.2	60.0	11.2	29.0	172.5
<i>WA007989</i>				60.1	59.0	12.0	26.7	178.0
ALTURAS	61.0	50.6	64.3	59.8	58.6	11.0	29.3	175.0
C.V. %	6.4	6.6	6.7	7.1	0.7	2.4	--	--
LSD '@ .10'	2.4	3.0	4.3	6.7	0.9	0.6	--	--
Average	60.8	53.3	66.7	67.0	59.1	11.4	30.0	173.5
Highest	63.3	56.4	71.6	77.8	60.7	12.4	33.0	178.0
Lowest	55.4	50.6	61.1	59.8	56.3	10.8	26.7	167.5

## 2007 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT DAYTON, 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
BZ903-445WP-d			78.5	80.0	58.9	12.3	31.3	172.5
LOLO	65.1	57.4	73.5	73.9	61.2	12.0	32.0	174.5
WAIKEA		57.6	71.5	71.7	58.3	12.3	33.3	168.0
OTIS	62.0	54.4	70.1	69.3	60.7	12.4	36.0	173.5
WQL9HDALP			66.2	66.5	60.0	10.6	31.3	172.0
WA008036				65.9	60.5	12.8	36.3	171.5
PATWIN				62.8	57.3	13.7	26.0	175.5
MACON	57.8	51.0	63.8	62.7	58.6	12.6	31.7	170.0
WA008038				59.1	59.8	12.7	33.0	170.5
WA008035				58.0	59.1	12.6	31.0	169.0
CLEAR WHITE				57.7	59.2	12.3	28.7	167.0
BLANCA GRANDE	54.8	47.9	55.4	49.5	61.2	13.7	26.7	166.0
C.V. %	7.6	6.5	6.7	7.9	0.6	2.5	--	--
LSD '@ .10'	2.8	3.0	4.3	7.4	0.5	0.5	--	--
Average	59.9	53.7	68.4	64.8	59.6	12.5	31.4	170.8
Highest	65.1	57.6	78.5	80.0	61.2	13.7	36.3	175.5
Lowest	54.8	47.9	55.4	49.5	57.3	10.6	26.0	166.0

## 2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT DAYTON, 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	59.6	54.0	69.5	71.2	58.6	13.8	33.3	173.0
HANK	62.8	54.9	68.4	69.6	58.3	14.1	30.7	171.0
JEFF/PRONTO			68.3	68.7	59.3	14.1	31.3	167.5
WA008034				68.6	58.5	13.3	33.3	171.5
TARA 2002	58.0	52.4	66.9	68.0	59.9	14.1	32.7	167.5
WESTBRED 926	59.3	54.9	68.1	67.3	58.7	14.4	31.7	167.5
WA007954			66.6	67.0	59.3	14.4	34.0	173.5
WA008027				66.4	60.2	14.5	35.7	172.5
BZ999-339		53.0	67.0	65.7	58.1	14.6	32.7	170.0
JEFFERSON	58.8	53.3	66.9	65.5	59.4	14.1	32.3	170.5
JEDD			65.3	65.3	60.1	13.7	27.3	170.0
HOLLIS	57.6	51.4	65.5	65.2	59.0	15.1	40.3	171.0
JEROME	56.0	50.0	62.6	63.5	59.5	13.7	29.7	168.0
ACS52610			65.2	63.2	60.8	13.5	30.3	175.5
BUCK PRONTO		50.9	64.2	62.4	58.5	14.9	30.3	166.5
GRANAR				61.9	59.7	13.6	31.0	174.0
WA008030				61.8	59.8	14.3	33.3	175.0
WA008031				58.7	58.8	15.2	33.7	172.5
WA008013				58.2	60.2	15.4	41.3	171.0
RSI50076				56.7	57.1	13.5	27.0	171.5
CABERNET				56.6	59.9	14.0	25.3	170.0
C.V. %	6.4	5.6	5.7	6.6	1.0	2.7	--	--
LSD '@ .10'	2.3	2.5	3.6	6.0	0.8	0.5	--	--
Average	58.9	52.8	66.5	64.4	59.2	14.2	32.3	170.9
Highest	62.8	54.9	69.5	71.2	60.8	15.4	41.3	175.5
Lowest	56.0	50.0	62.6	56.6	57.1	13.3	25.3	166.5

## DAYTON SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Dayton, WA location averaged 67.0, 64.8, and 64.4 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The average yields for all market classes were slightly above a previous 3-yr average at 14.7%, 3.0% and 5.4% for soft white, hard white and hard red spring, respectively. *NOTE: This nursery was located, approximately 10 miles east of Dayton, WA off the Lewis Gulch/King Rd at 2894' elevation – basically underneath a bunch of the new windmills (J. Takemura farm).*
2. This nursery was planted (12 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 10.73 inches moisture in the top 4-feet. Base fertilizer was 90#N and 10#S. Based on a March 2007 soil test analysis, no additional fertilizer was applied.
3. Slightly higher than average **yield levels** in these 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. Early July precipitation probably helped the plants finish, particularly at this late location. Yield rankings seemed to track very closely with historical 3-yr average yield ranking in all market classes. It's a little bit of a stretch, but it appears there is a slight trend where later maturing (later heading date) entries seemed to perform better at this location particularly among varieties that had a marked difference in heading date.
4. Average **TEST WEIGHT** values were just under 60.0 lbs/bu, (average range across market classes was 59.1 lb/bu to 59.6 lb/bu) indicating that the nurseries probably benefited from cooler conditions during kernel development.
5. **GRAIN PROTEIN** values averaged 11.4%, 12.5% and 14.2% for soft white, hard white and hard red spring market classes, respectively.