

## 2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT WALLA WALLA, 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	44.4	45.6	52.5	50.3	59.4	12.1	30.3	164.5
LOUISE	51.9	50.2	53.8	49.8	61.0	11.1	31.7	161.5
<i>EDEN</i>	47.3	42.4	44.3	48.4	62.0	11.5	27.7	161.5
UI CATALDO			46.3	47.6	60.6	11.5	26.7	156.5
WA008059				47.3	60.8	12.7	31.0	160.5
WA008041				47.2	60.1	11.8	30.7	164.0
NICK	48.4	42.5	45.2	47.1	61.6	12.4	27.3	160.0
WAKANZ	46.0	45.1	48.9	46.6	59.3	11.6	28.0	164.5
WA008008			41.0	46.6	61.2	12.0	27.7	161.0
WA008046				45.8	59.9	12.2	29.3	161.0
<i>WA008047</i>				45.6	61.1	12.1	29.7	163.5
ALTURAS	42.0	38.1	46.1	45.2	60.6	11.4	26.7	162.5
ALPOWA	46.1	41.9	48.3	42.4	61.4	11.8	27.3	163.5
WA008039				41.5	62.0	11.8	26.3	162.5
<i>WA007989</i>				39.6	58.3	12.5	25.7	166.0
ARS05S303				37.8	55.1	12.5	30.0	164.5
WA008043				35.3	60.7	11.8	24.7	164.5
WA008044				35.2	60.5	12.0	26.3	163.0
C.V. %	15.9	12.6	9.7	7.1	0.5	2.6	--	--
LSD '@ .10'	4.4	4.3	4.2	4.5	0.4	0.4	--	--
Average	46.6	43.7	47.4	44.4	60.3	11.9	28.2	162.5
Highest	51.9	50.2	53.8	50.3	62.0	12.7	31.7	166.0
Lowest	42.0	38.1	41.0	35.2	55.1	11.1	24.7	156.5

**2007 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT WALLA WALLA, 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			64.9	52.5	58.3	14.0	29.3	159.5
WAIKEA		58.6	63.8	52.2	58.4	13.4	31.3	156.5
OTIS	55.7	54.2	66.7	52.0	59.8	13.6	34.3	162.0
LOLO	60.6	58.7	67.6	50.8	60.8	14.0	30.7	160.5
WQL9HDALP			65.4	47.7	60.7	12.2	29.0	142.0
MACON	51.3	50.5	60.2	46.6	59.8	13.3	29.3	159.5
CLEAR WHITE				46.2	60.8	13.5	25.3	155.5
WA008036				43.2	59.9	14.1	34.3	161.0
WA008035				40.9	59.4	14.6	27.0	156.0
BLANCA GRANDE	50.2	46.4	49.5	40.3	61.9	15.7	25.0	154.5
WA008038				39.0	60.7	14.5	31.0	157.0
PATWIN				36.9	57.9	15.6	22.7	164.0
C.V. %	10.5	11.6	7.7	5.5	0.8	1.3	--	--
LSD '@ .10'	3.5	4.9	4.3	3.7	1.1	0.5	--	--
Average	54.4	53.7	62.6	45.7	59.9	14.0	29.1	157.3
Highest	60.6	58.7	67.6	52.5	61.9	15.7	34.3	164.0
Lowest	50.2	46.4	49.5	36.9	57.9	12.2	22.7	142.0

# 2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT WALLA WALLA, 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
JEFF/PRONTO			55.8	48.5	59.1	15.5	27.7	155.5
TARA 2002	56.0	55.6	59.5	48.1	59.6	15.4	30.7	155.5
SCARLET	50.1	45.3	53.7	47.6	58.6	15.3	30.3	160.0
BUCK PRONTO		47.7	57.5	47.1	59.4	15.5	27.3	154.5
JEFFERSON	52.8	47.1	55.0	46.6	59.7	15.7	27.0	159.0
HOLLIS	53.9	49.1	57.2	46.0	59.8	15.7	33.7	160.5
WESTBRED 926	54.1	48.8	58.5	45.7	59.3	15.8	27.3	156.0
WA008034				44.6	58.3	14.8	31.7	160.5
HANK	58.9	53.8	60.1	44.3	58.6	15.3	27.7	160.5
BZ999-339		51.6	59.0	43.9	59.0	15.9	30.3	159.0
JEROME	51.5	45.3	52.2	43.6	59.8	14.9	29.3	157.0
JEDD			55.1	43.6	60.5	15.0	26.0	159.0
WA008030				43.3	59.4	15.7	31.7	163.0
WA007954			54.9	43.2	59.3	16.0	32.7	163.5
ACS52610			57.9	43.2	61.2	15.0	27.0	162.5
WA008027				42.6	58.8	16.7	34.0	162.5
GRANAR				40.6	58.6	15.0	29.0	163.5
RSI50076				40.4	58.7	14.1	22.7	160.5
WA008013				40.0	60.6	16.5	36.0	158.5
WA008031				39.3	58.1	17.0	32.3	163.0
CABERNET				37.8	60.4	16.1	20.7	158.0
C.V. %	11.9	11.6	9.8	5.1	0.7	1.1	--	--
LSD '@ .10'	3.8	4.4	5.0	3.1	0.6	0.2	--	--
Average	53.9	49.4	56.7	43.8	59.4	15.6	29.3	159.6
Highest	58.9	55.6	60.1	48.5	61.2	17.0	36.0	163.5
Lowest	50.1	45.3	52.2	37.8	58.1	14.1	20.7	154.5

## WALLA WALLA SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Walla Walla, WA location averaged 44.4, 45.7, and 43.8 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. These 2007 spring wheat **average yields were equal** to the previous 3-yr historical average yields in the soft white wheat market class but **lower** by (22.8%) and (26.6%) for hard white spring and hard red spring wheat, respectively, compared to the previous historical 3-year average. *NOTE: The Walla Walla nursery was located 2-miles west of Prescott, WA (off the Cemetery Rd (A. Ford farm)).*
2. This nursery was planted (20 March 2007) on re-crop ground following winter wheat with a no-till plot drill (cross slot openers on 10-inch spacing) at an 80#/acre seeding rate. Starter fertilizer, 20#N, 4#P, 4#S, was applied at seeding. A 7 March 2007 soil test showed 119#N, 25#P, 11#S availability in the top 4-feet. Additional (50#N, 10#P, 10#S and 80#N, 15#P, 15#S) were applied to the hard white and hard red spring nurseries, respectively.
3. Little to **no disease pressure** including Stripe rust was apparent in the 2007 nursery.
4. **Yield levels** below historical averages 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. This might be most evident in the Hard white and HRS nurseries where additional nitrogen coupled with higher and more timely precipitation in previous years provided a yield 'boost' to hard market class varieties.
5. **TEST WEIGHT** values (average range across market classes was 59.4 lb/bu to 60.3 lb/bu) were good, probably influenced most by a 2-week period (6-18 Jun 2007) of cooler temperatures during grain fill.
6. **GRAIN PROTEIN** values averaged 11.9%, 14.0% and 15.6% for soft white, hard white and hard red spring market classes, respectively. The fertility levels favored hard spring market classes.