

**2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT RITZVILLE, 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
LOUISE	27.5	23.2	28.9	22.9	56.5	12.1	22.7	155.0
NICK	30.3	26.3	33.7	22.4	58.3	12.8	19.3	154.3
ZAK	25.5	22.4	27.7	21.2	55.9	12.8	20.7	157.3
WA008008			29.0	20.8	57.1	12.8	19.3	154.0
WA008039				20.0	57.9	12.3	21.0	156.3
WA008041				20.0	55.8	12.8	20.0	156.0
ALPOWA	26.7	22.1	28.3	19.4	56.6	13.1	20.3	157.0
WA008059				18.9	58.3	13.1	21.0	154.7
<i>WA008047</i>				18.9	56.2	13.0	21.3	158.0
EDEN	26.7	22.4	28.5	18.6	57.3	12.9	18.0	156.0
UI CATALDO			27.4	18.6	55.6	12.6	17.3	153.3
WA008044				17.4	56.2	13.2	20.7	157.7
WAKANZ	26.9	22.8	27.8	16.9	53.4	13.1	19.0	159.0
ALTURAS	26.1	21.2	26.7	16.8	56.5	12.1	19.3	155.3
WA008043				16.7	55.6	13.3	18.7	157.3
ARS05S303				16.5	49.6	14.3	20.7	158.0
WA008046				16.2	55.7	12.9	20.0	154.7
<i>WA007989</i>				15.0	54.8	13.5	16.3	159.0
C.V. %	12.8	16.4	14.2	15.5	1.6	3.9	--	--
LSD '@ .10'	2.0	2.8	3.4	4.1	1.3	0.7	--	--
Average	27.1	22.9	28.7	18.7	56.0	12.9	19.8	156.3
Highest	30.3	26.3	33.7	22.9	58.3	14.3	22.7	159.0
Lowest	25.5	21.2	26.7	15.0	49.6	12.1	16.3	153.3

## 2007 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT RITZVILLE, 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
WAIKEA		27.6	33.0	20.4	57.3	13.3	21.0	153.0
BZ903-445WP-d			31.7	18.7	57.5	13.6	18.7	154.3
CLEAR WHITE				18.5	55.6	13.9	18.3	152.7
OTIS	24.7	22.5	29.1	18.4	57.5	13.8	24.3	155.7
WA008038				17.0	60.0	14.6	20.0	154.3
BLANCA GRANDE	24.2	19.1	23.2	16.9	59.1	14.8	16.3	152.0
PATWIN				16.6	53.7	15.0	17.0	157.3
WQL9HDALP			28.1	14.4	56.5	12.8	19.7	156.3
MACON	24.0	21.6	26.6	14.0	59.0	14.8	16.3	153.3
WA008036				14.0	58.1	13.8	24.0	154.0
WA008035				12.4	58.6	15.1	17.7	153.3
LOLO	25.2	21.4	24.1	9.5	58.0	15.4	17.7	155.0
C.V. %	13.3	14.6	13.9	22.6	1.4	4.3	--	--
LSD '@ .10'	1.9	2.6	3.3	5.2	1.2	1.5	--	--
Average	24.5	22.4	28.0	15.9	57.6	14.2	19.3	154.3
Highest	25.2	27.6	33.0	20.4	60.0	15.4	24.3	157.3
Lowest	24.0	19.1	23.2	9.5	53.7	12.8	16.3	152.0

**2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT RITZVILLE, 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	26.0	23.5	29.4	18.5	57.7	14.1	22.3	155.0
JEROME	24.6	22.9	29.0	18.0	57.8	14.1	22.0	153.7
CABERNET				17.6	59.1	15.2	15.3	154.7
GRANAR				17.3	57.8	14.7	22.7	157.7
WA007954			26.0	17.0	57.8	15.7	23.0	156.0
RSI50076				16.6	55.1	14.4	16.7	154.3
ACS52610			27.9	16.4	58.8	14.4	19.7	156.7
WA008027				16.2	57.3	15.9	24.3	154.0
BUCK PRONTO		23.0	26.5	15.9	59.1	15.8	19.7	151.0
JEFFERSON	26.9	23.6	28.3	15.8	58.9	15.4	18.7	154.3
WA008030				15.7	58.0	15.8	23.0	155.3
JEFF/PRONTO			26.9	14.9	57.2	15.4	17.7	152.3
WA008034				14.6	54.9	14.9	23.7	155.7
BZ999-339		22.7	27.8	14.4	58.8	15.3	20.0	152.3
WESTBRED 926	25.8	22.0	26.8	14.2	59.3	15.4	17.7	152.0
HANK	25.2	22.4	27.2	14.2	58.0	15.4	19.0	152.3
HOLLIS	24.0	20.4	24.4	14.0	59.1	14.9	20.3	154.3
JEDD			27.0	13.8	61.3	15.2	18.3	154.0
TARA 2002	25.2	21.9	27.0	13.1	58.9	15.5	19.3	151.3
WA008031				12.3	57.6	16.6	21.3	154.7
WA008013				10.3	59.5	17.4	24.7	155.7
C.V. %	12.0	13.3	13.1	16.9	1.7	4.5	--	--
LSD '@ .10'	1.7	2.3	3.1	3.6	1.4	1.0	--	--
Average	25.4	22.5	27.2	15.3	58.2	15.3	20.5	154.2
Highest	26.9	23.6	29.4	18.5	61.3	17.4	24.7	157.7
Lowest	24.0	20.4	24.4	10.3	54.9	14.1	15.3	151.0

## RITZVILLE SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Ritzville, WA location averaged 18.7, 15.9, and 15.3 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. *NOTE: This nursery was located approximately 5 miles northwest of Ritzville, WA on N. Bauer Rd (R. Jirava farm).*
2. This nursery was planted (30 March 2007) on re-crop ground following spring barley with a no-till plot drill (cross slot openers on 10-inch spacing) at a 60#/acre seeding rate. Base fertilizer, 40#N, 8#P, 8#S, was applied at seeding. A March 2007 soil test showed 69#N, 27#P, 9#S and 4.41 in moisture availability in the top 4-feet. An additional 10#N and 2#S fertilizer were applied to the hard white and hard red spring nurseries. It is worth noting that this nursery location has been in continuous spring cereals for over 10-years.
3. Little to **no disease pressure** including Stripe rust was apparent in the 2007 nursery.
4. The **yield levels** were below historical 3-yr averages by 40.1%, 38.8% and 34.6% for soft white spring, hard white spring and hard red spring wheat, respectively. These below normal yield values on re-crop ground were heavily influenced by below normal precipitation (1-2 inches below normal) for this area coupled with cold, spring growing conditions that slowed spring wheat growth and development. Even with lower than average yields, varieties/line ranks within each market class tracked closely with historical 3-yr average yields.
5. **TEST WEIGHT** values (average range across market classes was 56.0 lb/bu to 58.2 lb/bu) were relatively low, probably influenced most by a heat stress during grain fill during late June 2007.
6. **GRAIN PROTEIN** values averaged 12.9%, 14.2% and 15.3% for soft white, hard white and hard red spring market classes, respectively.