

2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT LAMONT, 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	58.1	70.6	68.6	49.7	58.9	10.6	34.3	165.5
WA008039				48.9	60.4	10.6	30.7	166.5
WAKANZ	52.5	64.9	62.5	48.2	59.2	11.2	29.3	168.5
WA008041				46.1	60.2	11.0	32.0	168.0
NICK	53.5	63.2	65.0	45.9	60.0	11.0	29.7	164.0
<i>EDEN</i>	41.6	47.0	57.2	45.9	61.4	10.9	28.0	165.5
WA008008			55.1	45.6	59.3	10.7	30.0	165.0
ALPOWA	46.6	53.7	55.6	44.2	60.7	10.2	29.7	167.5
ALTURAS	47.3	56.3	60.6	43.5	58.8	11.1	30.0	166.5
WA008059				43.1	60.6	12.3	32.0	164.5
WA008044				42.7	60.0	10.9	29.3	167.0
ZAK	45.4	51.6	59.1	42.5	59.8	11.5	31.0	168.5
<i>WA008047</i>				42.5	61.6	11.0	30.0	167.5
UI CATALDO			58.9	42.3	59.6	10.9	31.0	160.5
WA008046				39.8	58.7	11.7	30.7	165.0
WA008043				38.8	59.4	11.1	26.7	168.5
ARS05S303				34.8	56.8	12.4	29.7	168.5
<i>WA007989</i>				31.2	60.1	11.8	27.3	170.0
C.V. %	9.5	9.4	7.7	9.1	1.3	4.0	--	--
LSD '@ .10'	2.8	4.0	4.0	5.6	1.1	0.6	--	--
Average	49.3	58.2	60.3	43.1	59.8	11.2	30.1	166.5
Highest	58.1	70.6	68.6	49.7	61.6	12.4	34.3	170.0
Lowest	41.6	47.0	55.1	31.2	56.8	10.2	26.7	160.5

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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
WAIKEA		63.9	64.7	50.0	59.8	10.9	32.3	160.5
WQL9HDALP			58.6	46.2	61.4	9.6	30.0	166.0
BZ903-445WP-d			64.1	45.7	60.0	10.4	30.3	163.5
LOLO	47.9	57.4	59.4	44.2	61.1	11.2	33.0	164.5
OTIS	52.6	67.2	64.5	43.2	61.5	10.4	33.3	166.0
WA008038				42.7	60.0	11.3	34.0	161.0
MACON	42.3	51.6	54.8	41.2	60.5	11.2	31.7	163.5
PATWIN				39.7	59.2	12.1	25.3	168.0
WA008036				39.7	61.7	11.5	35.3	165.0
CLEAR WHITE				39.1	60.1	11.2	28.7	159.5
WA008035				38.9	59.6	11.8	31.3	160.0
BLANCA GRANDE	37.6	42.5	45.3	37.7	61.8	12.5	25.7	158.5
C.V. %	8.6	8.3	8.3	9.1	0.6	4.3	--	--
LSD '@ .10'	2.5	3.5	4.3	5.6	0.9	0.7	--	--
Average	45.1	56.5	58.8	42.4	60.6	11.2	30.9	163.0
Highest	52.6	67.2	64.7	50.0	61.8	12.5	35.3	168.0
Lowest	37.6	42.5	45.3	37.7	59.2	9.6	25.3	158.5

2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT LAMONT, 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	45.0	53.7	60.7	47.8	60.3	12.3	32.0	164.0
WA008034				45.9	59.6	12.3	31.7	164.5
HOLLIS	48.0	60.0	61.6	45.5	60.0	13.1	39.3	164.5
WA008031				44.8	59.9	13.7	33.3	167.0
TARA 2002	43.0	53.5	57.4	43.8	60.3	13.2	32.7	159.5
JEFFERSON	48.2	59.0	59.5	43.5	59.4	13.1	31.3	163.0
BUCK PRONTO		54.2	55.4	42.5	61.2	13.1	30.3	158.5
WA008013				42.0	61.4	13.7	39.7	162.5
WA007954			55.7	41.8	60.7	13.5	33.7	167.5
HANK	44.7	56.0	58.3	41.1	59.8	12.9	27.3	164.5
BZ999-339		56.1	57.5	40.2	60.0	13.6	32.0	163.0
WESTBRED 926	41.4	52.3	55.1	39.6	60.1	13.9	29.0	160.0
RSI50076				39.5	58.1	12.0	26.0	164.5
GRANAR				39.3	60.6	12.9	29.0	167.5
JEFF/PRONTO			59.2	37.7	60.3	13.1	29.3	159.5
WA008027				37.6	60.2	14.2	33.3	166.5
JEDD			53.2	37.5	61.7	12.6	25.7	163.0
CABERNET				36.2	59.9	12.7	24.0	162.0
ACS52610			45.1	34.5	61.3	12.9	28.3	166.5
JEROME	41.9	50.4	50.5	34.2	60.7	13.0	29.0	161.0
WA008030				33.9	59.1	13.4	32.3	167.0
C.V. %	9.8	9.7	9.4	9.3	0.8	4.2	--	--
LSD '@ .10'	2.7	3.9	4.7	8.9	0.7	0.8	--	--
Average	44.6	55.0	56.1	40.4	60.2	13.1	30.9	163.6
Highest	48.2	60.0	61.6	47.8	61.7	14.2	39.7	167.5
Lowest	41.4	50.4	45.1	33.9	58.1	12.0	24.0	158.5

LAMONT SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Lamont, WA location averaged 43.1, 42.4, and 40.4 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The average yields for each market class were -14.6%, -15.8% and -17.5% below a historical 3-yr average at this location. *NOTE: The Lamont nursery was located ten miles south of Lamont, WA (G. White farm) off SR 23 and Old State Hwy road.*
2. This nursery was planted (13 April 2007) on re-crop ground following winter wheat with a double disc plot drill (6-inch spacing) at a 70#/acre seeding rate. A March 2007 soil test showed 8.9 inches moisture in the top 4-feet. Base fertilizer was 65#N and 10#S. Based on a March 2007 soil test analysis and additional fertilizer was applied to the hard red spring nursery at the following rates: (15#N, 2.25#S).
3. Lower average **yield levels** were invariably a function of the cool, dry spring conditions and below normal precipitation from March through May. In spite of less than average yields, yield rankings within market classes tracked closely for soft white entries but bounced around a little with hard white and hard red spring entries compared to historical 3-yr average yield rankings.
4. **TEST WEIGHT** values were good (average range across market classes was 59.8 lb/bu to 60.6 lb/bu) indicating that the nurseries avoided the heat and moisture stresses during kernel fill that occurred at the end of June.
5. **GRAIN PROTEIN** values averaged 11.2%, 11.2% and 13.1% for soft white, hard white and hard red spring market classes, respectively. The low protein values for the hard market class wheat entries can probably be attributed to heat, drought stress at the end of June and into July that caused leaves to senesce and dry up before the plants were able to completely mobilize nitrogen to the kernels and root systems were unable to mobilize nitrogen due to dry soil conditions.