

2007 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT MAYVIEW, WA.

Variety Name <small>*Club Italized</small>	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	46.1	44.8	52.6	64.5	59.0	11.4	34.0	182.5
WA008039				62.9	61.1	11.2	30.3	181.5
NICK	50.4	49.0	53.3	61.3	60.3	11.5	27.3	180.5
<i>EDEN</i>	48.1	45.6	51.3	59.8	60.9	10.8	28.3	183.0
ALTURAS	44.9	41.3	48.2	59.2	58.7	11.4	29.0	182.0
WA008008			47.5	58.2	58.8	11.8	29.7	181.5
UI CATALDO			48.8	57.2	59.7	11.6	28.3	177.5
WA008041				57.2	58.4	11.3	32.0	183.5
WAKANZ	47.0	43.6	50.8	56.7	58.3	12.3	28.7	183.5
WA008043				56.4	60.8	11.5	25.7	184.5
ALPOWA	45.6	43.4	49.4	56.2	60.5	11.4	31.3	183.0
<i>WA008047</i>				55.9	60.8	11.6	29.7	184.0
ARS05S303				55.2	57.3	11.8	29.3	186.0
ZAK	44.0	40.8	48.7	53.9	59.2	12.1	31.0	184.5
WA008044				53.9	59.8	11.7	29.0	182.5
WA008059				52.5	60.8	12.9	31.0	182.0
WA008046				51.7	59.1	11.8	30.7	183.0
<i>WA007989</i>				50.7	59.2	13.1	25.3	186.0
C.V. %	6.5	6.9	6.5	6.0	0.9	3.7	--	--
LSD '@ .10'	1.9	2.6	3.2	4.8	0.7	1.1	--	--
Average	46.6	44.1	50.1	56.8	59.6	11.7	29.5	182.8
Highest	50.4	49.0	53.3	64.5	61.1	13.1	34.0	186.0
Lowest	44.0	40.8	47.5	50.7	57.3	10.8	25.3	177.5

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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
CLEAR WHITE				58.6	60.3	12.6	27.7	177.5
BZ903-445WP-d			50.8	55.9	58.1	13.5	31.3	182.0
LOLO	48.3	44.8	51.2	55.0	59.5	13.8	32.7	182.0
WAIKEA		45.5	50.0	54.7	56.6	13.2	32.7	180.5
WQL9HDALP			44.8	54.0	59.5	11.4	30.3	181.5
MACON	42.0	39.5	45.3	52.9	58.9	12.1	31.7	180.0
BLANCA GRANDE	45.1	42.4	43.7	52.3	62.8	13.5	26.0	176.0
OTIS	44.8	42.7	49.2	51.0	59.4	13.5	35.0	184.0
PATWIN				49.2	56.2	14.7	25.7	184.0
WA008038				49.2	60.8	12.5	34.3	179.5
WA008035				48.7	59.6	12.2	31.0	179.5
WA008036				46.4	60.4	12.8	35.7	182.0
C.V. %	5.9	6.6	6.8	6.3	1.3	3.8	--	--
LSD '@ .10'	1.7	2.4	3.2	8.1	1.1	0.7	--	--
Average	45.1	43.0	47.8	52.3	59.3	13.0	31.2	180.7
Highest	48.3	45.5	51.2	58.6	62.8	14.7	35.7	184.0
Lowest	42.0	39.5	43.7	46.4	56.2	11.4	25.7	176.0

2007 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT MAYVIEW, 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
JEFFERSON	46.7	45.3	50.0	55.9	58.1	15.2	31.0	181.5
ACS52610			46.5	53.1	61.1	14.2	29.3	182.0
TARA 2002	43.7	41.0	44.0	53.0	59.0	14.7	32.7	178.5
CABERNET				52.6	59.9	14.6	25.0	180.0
JEDD			46.0	52.5	60.3	14.5	27.0	180.5
GRANAR				52.2	59.3	15.2	30.3	184.5
BUCK PRONTO		42.3	46.3	51.6	58.9	15.9	30.7	177.5
SCARLET	44.7	40.0	44.7	51.5	57.5	15.2	32.0	181.0
WESTBRED 926	44.7	43.5	46.4	51.1	57.7	15.5	30.0	178.5
JEFF/PRONTO			45.6	50.9	58.1	15.0	30.7	177.5
BZ999-339		43.7	47.1	50.7	57.7	15.3	30.3	180.5
HANK	44.4	42.5	43.9	49.7	57.4	14.9	27.3	180.5
JEROME	44.2	42.2	43.8	49.5	59.1	14.4	29.3	179.5
RSI50076				49.5	57.2	15.0	25.7	181.0
WA008034				48.9	58.2	14.5	31.7	183.0
WA008030				48.8	59.1	15.2	31.7	183.0
WA008027				48.2	58.8	16.2	33.3	182.5
WA007954			43.9	48.0	58.2	16.0	32.7	183.5
HOLLIS	38.7	36.2	41.3	46.4	57.3	16.5	38.0	181.5
WA008031				45.5	58.1	15.9	33.0	182.5
WA008013				44.0	59.4	16.2	40.0	180.5
C.V. %	6.4	6.0	6.1	4.2	1.0	2.8	--	--
LSD '@ .10'	1.7	2.1	2.7	2.9	0.8	0.6	--	--
Average	43.9	41.9	45.3	50.2	58.6	15.2	31.0	180.9
Highest	46.7	45.3	50.0	55.9	61.1	16.5	40.0	184.5
Lowest	38.7	36.2	41.3	44.0	57.2	14.2	25.0	177.5

MAYVIEW SPRING WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Mayview, WA (Garfield County) location averaged 56.8, 52.3, and 50.2 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. *NOTE: The Mayview nursery was located on Tramway Rd about 25 miles northeast of Pomeroy, WA (Garfield County) on the breaks of the Snake River, overlooking Lower Granite to the north. (Roger and Randy Koller farm).*
2. This nursery was planted (24 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 8.49 inches moisture in the top 4-feet. Base fertilizer was 70#N. A March 2007 soil test analysis showed 120#N, 30#P and 14#S and no additional fertilizer was applied to the hard nurseries.
3. Average **yield levels** for the soft white market class varieties were over 43% higher than a previous 3-yr average and 22.7% and 18.3% for the hard white and hard red spring market classes, respectively. Considering the cool, dry spring conditions and below normal precipitation, yields and quality were good for this nursery. Yields seemed to track fairly closely with historical 3-yr average yields. June precipitation and a 2-week period of cool weather coupled with heading dates that averaged (first week of July 2007) about a week later than the previous year appears to have allowed spring wheat at this location to adequately develop and avoid the impact of drought and heat stresses.
4. **TEST WEIGHT** values (average range across market classes was 58.6 lb/bu to 59.6 lb/bu) was fairly good indicating that the heat stress periods in July during kernel fill had minimal impact .
5. **GRAIN PROTEIN** values averaged 11.7%, 13.0% and 15.2% for soft white, hard white and hard red spring market classes, respectively.