

2006 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT LAMONT, WA.

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
LOUISE	58.1	66.6	81.0	87.5	61.2	12.3	35.0	163.0
WA007964		60.5	73.9	87.1	60.9	12.1	34.3	167.0
NICK	53.4	61.0	71.9	84.0	61.6	12.9	31.3	161.0
ALTURAS	47.3	52.5	62.6	77.6	61.7	11.9	32.0	162.5
WAKANZ		60.4	73.3	76.7	61.1	13.0	31.7	165.5
ZAK	45.8	50.7	56.1	75.7	61.7	12.3	34.7	165.0
WAWAWAI	48.0	52.1	60.7	75.5	61.5	13.1	35.7	163.0
UI CATALDO				75.4	60.9	12.6	29.7	158.5
WA008007				74.6	59.8	13.9	34.3	164.5
EDEN	43.5	41.5	47.5	68.6	62.7	12.2	32.0	163.0
ALPOWA	47.5	50.3	58.4	66.9	62.4	12.9	30.7	164.0
UI PETTIT			52.7	66.5	62.5	12.7	27.0	159.0
WA008008				64.6	60.9	13.2	31.0	161.5
WA007986			53.4	64.5	61.4	15.1	30.7	165.5
WA007987			49.1	57.0	61.2	14.3	31.7	164.0
WA007988				54.9	61.3	14.5	30.0	165.5
EDWALL	32.6	30.8	30.8	48.6	57.6	12.4	32.0	164.5
FIELDER	32.3	29.4	30.1	47.9	59.8	12.3	31.3	164.0
C.V. %	9.4	10.3	9.4	6.3	0.5	2.0	--	--
LSD '@ .10'	2.8	4.2	5.3	6.0	0.4	0.4	--	--
Average	45.4	50.5	57.2	69.6	61.1	13.0	32.0	163.4
Highest	58.1	66.6	81.0	87.5	62.7	15.1	35.7	167.0
Lowest	32.3	29.4	30.1	47.9	57.6	11.9	27.0	158.5

2006 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT LAMONT, WA.

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
OTIS	51.4	62.3	79.2	85.7	62.8	13.8	36.0	163.5
BZ903-455WP-d				82.4	60.6	14.9	32.3	162.0
ALTA BLANCA				79.8	62.4	14.6	35.3	163.5
WAIKEA			70.8	79.4	60.6	14.2	33.7	159.5
IDO377S	44.4	51.1	61.6	74.7	61.9	13.9	33.3	163.0
LOLO	48.2	52.8	64.1	74.7	61.9	14.5	33.3	163.0
WA008010				72.8	61.5	14.3	33.0	162.5
WQL9HDALP				71.0	62.8	12.0	32.0	163.0
WA007990				69.9	62.1	14.5	33.3	163.5
MACON	42.0	46.0	56.8	68.4	61.4	12.9	33.0	161.0
WA008012				60.4	62.4	14.0	32.0	161.0
BLANCA GRANDE		39.5	44.9	53.0	62.6	15.3	27.3	158.5
C.V. %	7.9	8.1	7.1	6.9	0.4	2.4	--	--
LSD '@ .10'	2.5	3.7	4.6	7.0	0.4	0.5	--	--
Average	46.5	50.4	62.9	72.7	61.9	14.1	32.9	162.0
Highest	51.4	62.3	79.2	85.7	62.8	15.3	36.0	163.5
Lowest	42.0	39.5	44.9	53.0	60.6	12.0	27.3	158.5

2006 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)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
JEFF/PRONTO				80.7	61.2	15.6	34.0	159.0
HOLLIS	47.6	54.4	67.2	77.6	61.2	16.0	41.0	163.5
HANK	45.2	49.6	63.5	75.5	60.9	15.6	32.0	161.0
JEFFERSON	50.0	54.1	66.8	75.4	61.4	15.7	34.0	161.5
BZ999-339			64.1	74.8	60.8	16.2	33.3	161.0
SCARLET	43.4	46.9	56.6	73.6	60.9	15.3	33.3	163.0
WA008015				73.4	60.5	15.8	34.0	164.5
WA007953				71.9	62.6	16.5	38.0	166.0
TARA 2002	43.3	47.1	58.4	70.9	61.0	16.2	33.7	159.0
WESTBRED 926	42.7	46.5	58.7	70.5	60.8	16.2	32.3	160.0
WA008016				70.3	60.8	15.4	33.3	165.0
WA007954				69.6	61.6	15.9	34.0	165.0
WA008018				69.3	61.1	15.5	33.3	161.5
BZ9M03-1044				68.8	62.5	14.6	29.7	161.0
BUCK PRONTO		46.7	60.1	68.3	61.3	16.4	32.3	158.0
WA007998			57.2	67.3	60.8	16.1	33.0	160.5
JEROME		47.0	58.5	66.8	61.6	15.1	30.7	159.5
UI WINCHESTER				62.5	61.7	15.3	30.0	161.5
WA008017				59.4	60.7	16.5	32.7	160.5
ACS52610				55.7	62.7	15.1	30.0	163.0
C.V. %	8.6	9.4	8.7	8.3	0.3	1.9	--	--
LSD '@.10'	2.6	4.1	5.3	8.0	0.3	0.4	--	--
Average	45.4	49.0	61.1	70.1	61.3	15.8	33.2	161.7
Highest	50.0	54.4	67.2	80.7	62.7	16.5	41.0	166.0
Lowest	42.7	46.5	56.6	55.7	60.5	14.6	29.7	158.0

LAMONT SPRING WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Lamont, WA location averaged 69.6, 72.71, and 70.1 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2006 spring wheat **average YIELDS were higher** by 37.8%, 44.8% and 43.1% for soft white, hard white and hard red spring market classes, respectively. *NOTE: This nursery was located, approximately 8 miles south of Lamont, WA adjacent SR 23 (G. White farm).*
2. The nursery was **seeded early** on 30 March 2006 on re-crop ground following spring wheat. There was good soil moisture at seeding with the moisture level just one-inch below the soil surface. Germination and emergence was good and the stand was uniform. It is worth noting that the nursery was seeded on the same site as the 2005 Variety Testing Program spring nursery. The site location was on a flat that had excellent moisture that and made it nearly 'ideal' for an annual spring crop rotation. In addition, the nursery was fertilized with 65#N in addition to a soil test residual of 135#N in a 4-foot profile. This level of fertility provided for maximum attainment of both yield and grain protein goals. For comparisons, the Lamont winter wheat nursery that was located about 4-miles away and planted on summer fallow had an average yield of 116.2 bu/ac.
3. **Stripe rust** infections were present in this nursery; however, percent infection was low even in susceptible varieties and had minimal impact on yield/test weight.
4. **YIELD RANKINGS** among varieties within market classes closely followed 3-year historical yield rank patterns. Good soil moisture at seeding coupled with late-May-early June precipitation with cool weather allowed the plants to withstand the majority of heat stress periods that occurred in late June and July 2006.
5. **TEST WEIGHT** average values across all three market classes were exceptional with an average of 61.1, 61.9 and 61.3 lbs/bu for soft white, hard white and hard red spring, respectively. A fairly early seeding coupled with the wet, cool conditions during grain development and fill at the end of May and into June appears to have dove-tailed ideally for test weight at this location in 2006.
6. **GRAIN PROTEIN** values averaged 13.0%, 14.1% and 15.8% for the soft white, hard white and hard red spring market classes, respectively. Protein values for each market class appear to be following similar trends seen in nurseries at other locations where soft white values are slightly elevated but hard white and hard red spring varieties/experimental lines are within acceptable minimum protein values, on average, for the market class. Higher than average nitrogen fertility levels are the probable reason for the elevated soft white spring wheat protein levels.