

2006 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT FARMINGTON, 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	90.7	95.1	81.8	96.9	59.3	11.5	38.3	183.3
WAKANZ		95.4	80.1	92.0	58.7	12.1	31.0	186.3
WA008007				91.3	58.7	11.8	36.3	184.0
NICK	91.1	99.5	84.0	91.1	60.4	11.6	32.0	182.0
WAWAWAI	88.9	95.4	75.7	90.0	60.2	11.9	40.7	183.0
UI CATALDO				89.9	59.4	11.8	31.7	182.0
EDEN	89.4	97.7	73.9	89.2	61.2	11.2	35.7	183.3
ALTURAS	84.3	92.8	68.9	86.2	60.3	11.1	32.0	184.0
WA007964		93.8	73.9	85.3	58.4	11.4	28.7	188.3
ALPOWA	91.8	99.3	77.1	84.7	61.0	11.3	32.7	185.0
WA008008				83.0	60.2	12.0	32.3	183.0
UI PETTIT			78.6	82.2	61.2	10.9	27.3	180.3
WA007987			70.0	80.1	60.6	13.4	37.3	186.7
WA007986			68.9	79.6	61.2	12.8	37.3	186.0
ZAK	83.4	88.6	67.7	72.2	58.5	11.6	33.3	184.0
EDWALL	72.7	81.7	60.1	66.3	56.3	11.4	31.7	184.0
WA007988				65.8	60.8	12.3	29.3	186.7
FIELDER	68.4	70.8	45.7	48.2	57.5	11.5	31.3	185.0
C.V. %	7.7	7.9	7.9	7.6	1.2	3.5	--	--
LSD '@ .10'	3.9	5.4	5.5	8.6	1.0	0.6	--	--
Average	84.5	91.8	71.9	81.9	59.7	11.8	33.3	184.3
Highest	91.8	99.5	84.0	96.9	61.2	13.4	40.7	188.3
Lowest	68.4	70.8	45.7	48.2	56.3	10.9	27.3	180.3

2006 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT FARMINGTON, 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
BZ903-455WP-d				104.9	59.2	13.1	35.3	181.3
WAIKEA			84.1	92.0	58.1	13.1	36.0	181.0
OTIS	86.4	91.5	72.8	86.6	60.9	12.6	35.3	185.0
LOLO	88.7	91.9	72.1	84.6	61.4	12.7	33.0	183.3
ALTA BLANCA				83.9	61.8	12.7	35.3	183.3
WQL9HDALP				82.7	60.4	11.7	32.0	184.3
WA007990				77.7	60.6	13.5	33.7	183.3
WA008010				77.7	59.6	13.4	32.0	181.3
IDO377S	79.6	86.0	64.4	74.5	60.6	13.6	33.7	183.0
MACON	82.1	87.6	68.2	73.2	58.0	13.0	33.7	181.7
BLANCA GRANDE		87.0	67.1	64.9	62.1	13.4	28.7	180.7
WA008012				56.0	61.2	12.7	31.0	180.7
C.V. %	8.5	8.8	7.4	8.3	1.3	3.1	--	--
LSD '@ .10'	4.3	6.0	5.4	9.3	1.1	0.6	--	--
Average	84.2	88.8	71.4	79.9	60.3	13.0	33.3	182.4
Highest	88.7	91.9	84.1	104.9	62.1	13.6	36.0	185.0
Lowest	79.6	86.0	64.4	56.0	58.0	11.7	28.7	180.7

2006 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT FARMINGTON, 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
WESTBRED 926	83.2	91.7	78.2	85.9	59.1	14.4	32.3	180.7
BZ999-339			74.8	84.5	58.6	14.2	34.7	180.7
HANK	86.6	95.9	74.3	82.4	57.0	14.7	32.7	182.3
BUCK PRONTO		92.7	75.6	82.3	58.3	15.5	33.0	181.0
SCARLET	82.0	89.1	67.0	79.8	58.4	14.6	34.3	183.7
HOLLIS	76.4	81.9	68.9	78.6	60.0	15.3	42.7	183.3
TARA 2002	80.8	87.1	71.2	78.2	59.1	14.7	36.3	180.7
JEROME		88.8	71.2	77.1	59.6	13.8	31.7	181.0
JEFF/PRONTO				76.6	59.9	14.9	33.0	180.3
ACS52610				76.3	61.6	13.7	33.0	186.0
JEFFERSON	84.5	90.8	70.4	76.2	60.3	14.2	33.3	183.0
UI WINCHESTER				75.5	60.1	13.6	32.3	183.0
WA008016				74.7	58.5	14.2	34.3	184.0
WA008015				74.3	58.8	14.6	35.0	184.3
WA007998			69.0	74.1	59.7	14.3	32.3	182.0
WA007953				73.0	61.6	14.9	42.3	185.0
BZ9M03-1044				72.3	61.4	13.5	28.0	182.0
WA007954				71.3	61.0	14.7	33.0	184.3
WA008017				67.3	60.0	14.7	34.3	181.3
WA008018				63.3	60.1	14.2	32.7	183.7
C.V. %	6.7	6.9	7.0	7.2	1.7	3.3	--	--
LSD '@.10'	3.2	4.5	4.9	7.5	1.4	0.7	--	--
Average	82.3	89.7	72.0	76.2	59.7	14.4	34.1	182.6
Highest	86.6	95.9	78.2	85.9	61.6	15.5	42.7	186.0
Lowest	76.4	81.9	67.0	63.3	57.0	13.5	28.0	180.3

FARMINGTON SPRING WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Farmington, WA location averaged 81.9, 79.9, and 76.2 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2006 spring wheat **average YIELDS were lower** by 10.8%, 10.8% and 15.1% for soft white, hard white and hard red spring market classes, respectively. *NOTE: This nursery was located, approximately 5 miles south of Farmington, WA on the Farmington/Garfield Rd (B. Nelson farm).*
2. The nursery was **seeded** on 1 May 2006 on re-crop ground following winter 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.
 - **Stripe rust** was a factor in this nursery and generally caused yield and test weight reductions in very susceptible varieties. However; the severity of infections (infection type) was fairly low throughout the nurseries that resulted in not as great a yield impact than would have been expected. Some of this could have been a result of the hot temperatures that shut the rust down (and even the plants in some cases) and reduced the impact.
 - In contrast, **low test weight values** within each market class appear to be somewhat linked to the percentage of stripe rust evaluated on 11 July 2006. Most notable are Fielder and Edwall soft white spring wheat varieties that are extremely susceptible to stripe rust.
3. **YIELD RANKINGS** among varieties within market classes generally 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.
4. **TEST WEIGHT** average values across all three market classes were fairly good this year and had an average of 59.7, 60.3 and 59.7 lbs/bu for soft white, hard white and hard red spring, respectively.
5. **GRAIN PROTEIN** values averaged 11.8%, 13.0% and 14.4% 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.