

**2006 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT RITZVILLE, 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
NICK	32.9	32.2	28.3	45.1	58.3	12.7	28.7	161.0
WA007964		31.8	26.6	40.3	56.5	12.7	31.3	170.0
WAKANZ		28.8	25.8	38.8	56.6	12.9	28.7	169.0
EDEN	29.6	28.0	24.2	38.3	59.3	12.1	28.7	165.0
WA008007				38.1	55.3	14.2	32.0	165.5
WA008008				37.3	57.3	12.5	28.3	162.0
ALPOWA	29.4	28.2	23.4	37.2	58.3	14.1	30.0	164.5
WA007986			23.1	37.2	56.8	15.0	31.3	167.0
ALTURAS	28.9	28.3	23.4	36.7	57.1	12.6	27.7	162.0
UI CATALDO				36.1	56.8	13.0	28.0	159.5
LOUISE	29.2	28.3	23.3	35.0	55.0	13.2	31.0	166.0
WA007987			24.9	35.0	57.4	13.8	29.7	165.5
EDWALL	27.7	26.3	23.4	34.7	53.2	13.4	28.0	162.5
WA007988				34.7	58.6	14.9	28.7	166.5
ZAK	27.2	27.6	23.1	34.3	56.6	14.8	29.3	165.5
UI PETTIT			21.7	34.1	60.4	12.6	25.3	159.0
WAWAWAI	28.5	27.9	23.0	32.5	56.9	13.5	31.7	164.5
FIELDER	26.3	25.0	21.2	30.0	56.6	13.3	27.0	166.0
C.V. %	10.9	12.8	15.5	11.4	2.1	7.0	--	--
LSD '@ .10'	1.9	2.9	3.8	5.7	1.7	1.3	--	--
Average	28.8	28.4	23.9	36.4	57.1	13.4	29.2	164.5
Highest	32.9	32.2	28.3	45.1	60.4	15.0	32.0	170.0
Lowest	26.3	25.0	21.2	30.0	53.2	12.1	25.3	159.0

**2006 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)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WAIKEA			31.1	45.7	56.3	13.4	32.0	160.0
BZ903-455WP-d				44.7	56.7	13.8	32.0	164.0
WQL9HDALP				41.7	58.4	12.1	31.3	164.5
OTIS	26.7	26.9	24.5	39.8	58.1	13.8	34.3	164.5
MACON	27.5	27.6	25.4	39.2	55.7	14.0	31.3	161.5
LOLO	30.1	28.8	27.3	38.8	58.0	13.9	31.0	162.5
WA008010				37.8	56.9	13.8	30.3	165.0
ALTA BLANCA				34.8	57.9	14.6	31.3	165.5
IDO377S	26.9	26.0	23.9	34.5	57.4	14.0	30.3	164.5
WA007990				34.4	57.2	14.5	32.7	165.0
WA008012				33.1	59.3	13.4	29.3	161.0
BLANCA GRANDE		25.0	20.2	29.6	59.7	14.0	26.7	158.0
C.V. %	10.2	11.7	10.3	8.6	1.6	4.6	--	--
LSD '@ .10'	1.8	2.8	3.0	4.6	1.3	0.9	--	--
Average	27.8	26.8	25.4	37.8	57.6	13.8	31.0	163.0
Highest	30.1	28.8	31.1	45.7	59.7	14.6	34.3	165.5
Lowest	26.7	25.0	20.2	29.6	55.7	12.1	26.7	158.0

**2006 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)	2006				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
BZ999-339			26.8	41.2	56.4	15.0	31.3	161.0
TARA 2002	28.2	29.4	26.3	40.8	57.3	14.9	31.3	159.5
JEFFERSON	29.7	30.1	27.5	40.8	58.0	14.6	28.7	162.0
SCARLET	28.6	29.0	26.1	40.2	58.0	13.7	31.7	165.0
BZ9M03-1044				40.2	59.0	14.9	26.0	161.0
HANK	28.2	28.4	26.5	40.1	55.4	16.0	30.7	161.5
JEROME		25.6	25.3	39.9	58.1	13.7	30.0	160.5
WESTBRED 926	28.7	29.8	26.0	39.4	55.9	15.7	28.7	159.5
ACS52610				39.4	59.6	14.6	27.7	162.0
JEFF/PRONTO				39.0	57.8	15.1	28.7	159.0
UI WINCHESTER				38.4	58.4	13.9	28.0	163.0
WA008018				37.7	56.1	15.1	31.3	164.5
WA008016				37.4	56.2	14.3	31.0	167.5
BUCK PRONTO		28.9	26.6	37.1	57.4	14.8	28.3	159.5
WA007998			24.0	36.7	56.2	15.2	31.0	161.5
WA007953				35.6	59.2	15.0	37.0	167.0
HOLLIS	27.0	27.7	23.6	34.9	57.4	14.9	37.3	162.5
WA007954				34.9	56.9	16.3	32.3	165.0
WA008017				33.9	57.8	14.9	30.0	161.5
WA008015				32.4	56.1	14.9	31.0	166.5
C.V. %	9.3	11.0	10.4	9.8	2.3	6.2	--	--
LSD '@.10'	1.7	2.6	3.0	5.1	1.8	1.3	--	--
Average	28.4	28.6	25.8	38.0	57.4	14.9	30.6	162.5
Highest	29.7	30.1	27.5	41.2	59.6	16.3	37.3	167.5
Lowest	27.0	25.6	23.6	32.4	55.4	13.7	26.0	159.0

## RITZVILLE SPRING WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Ritzville location averaged 36.4, 37.8, and 38.0 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2006 spring wheat **average YIELDS were higher** by 28.1%, 39.4% and 32.8% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This substantial yield increase above historical yields is a function of above normal precipitation during end of May and first part of June that enhanced tiller production and development coupled with being planted on re-crop spring barley ground. This nursery was seeded on 4 April 2006 with a No-till drill (cross-slot openers. *NOTE: This nursery was located approximately 8 miles northwest of Ritzville, WA on Dewald Rd (R. Jirava farm)*)
2. **YIELD RANKING** comparing 2006 average yields with 3-yr average yields was very consistent for varieties in all three market classes. In trying to separate out variety performance it appears that earlier maturing (heading date) varieties tended to have higher average yields. In part this could be explained by adaptation differences to the growing season weather cycles where 'earlier' varieties were better able to take advantage of later May and early June precipitation/cool weather patterns before the mid-June through July heat stress periods. Yield rankings among varieties within market classes continued to track with 3-year historical yield rank trends.
3. **Stripe rust** was not a factor in this nursery.
4. It is pretty obvious the crop went through quite of bit of heat stress with **TEST WEIGHT** average values across all three market classes having a range of 57.1 to 57.6 lbs/bu.
5. **GRAIN PROTEIN** values were high for all market classes. However, this is undoubtedly partly a function of low test weight averages.