

2006 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT BICKLETON, 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	31.8	31.0	27.9	44.3	60.6	10.3	21.7	--
EDEN	31.3	29.3	24.6	41.5	60.1	10.0	21.7	--
ALPOWA	29.1	28.0	24.6	40.3	60.1	10.5	22.3	--
LOUISE	30.3	29.4	23.5	40.0	56.7	10.7	23.3	--
WA008008				39.1	59.1	10.4	21.7	--
EDWALL	28.3	26.7	23.3	38.7	57.2	11.0	20.7	--
UI PETTIT			23.5	37.9	61.5	10.9	18.0	--
WAWAWAI	28.7	26.1	22.6	37.5	58.5	11.5	23.0	--
UI CATALDO				37.2	58.2	11.0	20.7	--
ZAK	26.9	25.1	21.2	35.5	59.1	11.4	21.7	--
WAKANZ		25.7	20.6	34.6	56.6	11.6	20.0	--
WA008007				34.2	57.7	11.5	21.3	--
WA007964		24.2	19.2	33.9	58.7	11.0	20.7	--
FIELDER	26.3	23.6	18.9	31.2	58.5	10.7	17.7	--
WA007987			17.9	30.7	58.1	11.9	16.7	--
WA007986			19.1	30.7	58.5	11.8	19.0	--
ALTURAS	26.5	23.3	17.2	29.0	58.2	11.4	19.0	--
WA007988				27.4	59.6	12.1	16.7	--
C.V. %	12.9	16.4	18.1	15.1	1.9	5.5	--	--
LSD '@ .10'	2.2	3.4	4.1	7.4	1.5	0.8	--	--
Average	28.8	26.6	21.7	35.8	58.7	11.1	20.3	--
Highest	31.8	31.0	27.9	44.3	61.5	12.1	23.3	--
Lowest	26.3	23.3	17.2	27.4	56.6	10.0	16.7	--

2006 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT BICKLETON, 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				45.2	59.9	11.5	24.0	--
LOLO	30.5	30.6	26.2	42.8	61.2	11.2	24.7	--
WAIKEA			28.8	42.1	58.7	11.6	24.0	--
BLANCA GRANDE		31.4	28.3	41.0	61.9	11.4	21.0	--
OTIS	28.6	28.1	25.7	40.5	60.9	11.3	26.3	--
MACON	28.7	28.6	24.8	38.5	57.3	11.6	22.0	--
WA007990				35.8	60.8	11.9	24.3	--
ALTA BLANCA				35.5	59.6	12.6	22.7	--
WQL9HDALP				35.0	59.0	10.9	22.0	--
WA008010				34.8	57.6	12.1	20.3	--
WA008012				33.6	61.2	11.5	22.0	--
IDO377S	26.6	25.0	19.7	31.6	58.4	13.1	21.3	--
C.V. %	10.7	10.8	11.9	10.6	2.0	6.0	--	--
LSD '@ .10'	2.0	2.6	3.4	5.6	1.7	1.0	--	--
Average	28.6	28.7	25.6	38.0	59.7	11.7	22.9	--
Highest	30.5	31.4	28.8	45.2	61.9	13.1	26.3	--
Lowest	26.6	25.0	19.7	31.6	57.3	10.9	20.3	--

2006 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT BICKLETON, 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	31.2	33.0	32.5	53.6	56.9	14.0	23.3	--
BZ999-339			32.6	52.3	55.9	13.8	24.7	--
JEFFERSON	30.6	32.1	29.7	48.6	58.2	14.3	24.7	--
BZ9M03-1044				47.5	59.9	13.3	19.7	--
SCARLET	30.6	29.8	27.8	45.8	57.0	13.7	24.7	--
TARA 2002	29.3	30.0	27.7	45.4	58.2	14.5	24.7	--
JEFF/PRONTO				44.6	57.7	15.1	21.7	--
UI WINCHESTER				44.2	57.7	13.8	21.3	--
WA007998			27.3	44.0	57.9	13.1	23.3	--
HOLLIS	28.0	28.9	27.0	43.8	58.7	14.7	26.7	--
WA008017				43.6	58.0	14.4	22.7	--
WA008018				42.2	56.6	13.5	23.0	--
JEROME		30.5	27.1	42.0	58.7	13.4	21.0	--
BUCK PRONTO		28.4	26.8	41.7	56.7	16.0	23.0	--
WA007954				40.7	59.1	14.6	22.3	--
HANK	29.6	29.5	26.2	40.1	57.7	14.4	19.7	--
WA008015				38.6	55.3	14.2	23.0	--
WA008016				38.3	54.3	14.3	22.7	--
ACS52610				38.2	58.4	14.3	23.0	--
WA007953				37.7	59.7	14.3	26.0	--
C.V. %	11.3	10.4	11.6	10.9	1.9	4.4	--	--
LSD '@.10'	2.2	2.7	3.7	6.5	1.5	0.9	--	--
Average	29.9	30.3	28.5	43.6	57.6	14.2	23.1	--
Highest	31.2	33.0	32.6	53.6	59.9	16.0	26.7	--
Lowest	28.0	28.4	26.2	37.7	54.3	13.1	19.7	--

BICKLETON SPRING WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Bickleton location averaged 35.8, 38.0, and 43.6 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2006 spring wheat **average YIELDS** exceeded the historical 3-yr average in all market classes by 34.5%, 27.9% and 43.8% in soft white, hard white and hard red spring, respectively. *NOTE: The Bickleton nursery was located about 5 miles east of Bickleton, WA near the Glade – Crider Rd intersection. (S. Matsen farm).*
2. This nursery was **direct seeded** on 3 May 2006 with a no-till (cross-slot openers) drill into winter wheat stubble with soil moisture at 2-inches below the soil surface. Throughout the growing season this was a nice, even stand. Excellent timing of late May/early June precipitation greatly enhanced the yield potentials at this location and contributed to above average spring wheat yields.
3. **YIELD RANKINGS** among varieties within market classes were very consistent with 3-yr and 5-yr historical yield rank patterns.
4. **TEST WEIGHT** average values across all three market classes were slightly down for the soft and hard white nurseries and there was a considerable reduction in test weight for the majority of the hard red spring varieties/experimental lines. Some of this reduction could be associated with higher fertility (nitrogen) levels on the hard red spring nursery that aided in attaining high protein levels but probably at the expense of test weight. High temperature stress during grain fill of the hard red spring nursery was the other contributing factor to low test weight values.
5. **GRAIN PROTEIN** values averaged 11.1%, 11.7% and 14.2% for the soft white, hard white and hard red spring market classes, respectively.