

2006 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT DAYTON, 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
WA007964		67.5	48.4	74.9	58.9	10.7	32.0	166.5
WA008007				73.3	57.4	11.6	34.7	164.0
NICK	63.0	65.9	49.1	72.7	59.5	11.9	29.7	160.0
ALTURAS	58.6	64.6	45.9	68.7	60.0	11.4	30.0	163.5
ZAK	53.8	53.6	45.1	68.2	59.6	11.9	32.7	164.0
UI PETTIT			49.2	67.3	60.5	11.6	25.7	156.5
EDEN	58.1	61.5	45.3	65.8	59.9	11.1	30.0	163.0
WAKANZ		61.8	45.8	65.4	59.4	11.1	29.7	165.0
WA008008				64.0	57.5	12.2	30.3	161.5
LOUISE	61.3	61.8	42.8	63.7	59.0	11.5	33.3	163.0
WAWAWAI	56.4	57.7	39.8	60.8	59.4	12.1	34.0	163.0
ALPOWA	59.1	60.3	44.5	60.5	59.7	12.0	30.3	164.5
UI CATALDO				59.1	58.9	12.1	28.7	157.0
WA007987			39.5	58.2	58.9	13.2	32.3	164.0
WA007986			37.3	55.6	59.9	12.4	31.3	163.5
WA007988				51.9	60.7	13.5	28.3	164.0
EDWALL	47.4	46.9	36.3	50.1	54.2	12.3	28.3	162.0
FIELDER	41.6	40.9	35.2	48.0	58.7	11.6	28.7	165.0
C.V. %	7.0	7.0	7.0	6.5	1.1	5.1	--	--
LSD '@ .10'	2.3	3.1	3.1	5.6	0.9	0.8	--	--
Average	55.5	58.4	43.2	62.7	59.0	11.9	30.6	162.8
Highest	63.0	67.5	49.2	74.9	60.7	13.5	34.7	166.5
Lowest	41.6	40.9	35.2	48.0	54.2	10.7	25.7	156.5

2006 WSU EXTENSION HARD WHITE SPRING WHEAT NURSERY AT DAYTON, 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				77.0	58.3	12.7	32.7	162.0
LOLO	61.9	68.3	49.2	73.1	59.7	13.4	33.3	162.0
WAIKEA			50.6	71.4	56.7	13.4	34.0	158.5
OTIS	61.1	63.9	47.0	70.8	60.2	12.7	35.7	162.5
ALTA BLANCA				70.8	60.5	12.8	34.3	162.0
WQL9HDALP				65.9	58.9	12.0	31.7	163.5
WA008010				65.8	58.0	13.6	31.0	162.0
WA007990				65.6	59.7	13.6	33.7	162.5
MACON	57.5	60.3	45.2	64.9	57.7	13.1	31.3	160.0
BLANCA GRANDE		62.5	47.1	61.3	60.8	14.1	28.0	154.5
IDO377S	54.8	59.4	42.6	61.1	59.6	13.7	34.7	161.5
WA008012				53.0	58.4	13.7	32.0	159.0
C.V. %	7.5	7.3	5.4	5.4	1.6	5.2	--	--
LSD '@ .10'	2.7	3.6	2.8	5.1	1.3	1.0	--	--
Average	58.8	62.9	46.9	66.7	59.0	13.2	32.7	160.8
Highest	61.9	68.3	50.6	77.0	60.8	14.1	35.7	163.5
Lowest	54.8	59.4	42.6	53.0	56.7	12.0	28.0	154.5

2006 WSU EXTENSION HARD RED SPRING WHEAT NURSERY AT DAYTON, 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	59.2	62.7	48.7	68.8	57.4	15.1	31.7	157.5
BZ999-339			46.7	68.3	57.1	15.2	30.7	158.0
JEFFERSON	59.1	61.8	47.3	68.2	58.3	15.2	32.7	159.5
JEFF/PRONTO				68.0	58.7	15.1	32.3	157.5
SCARLET	57.9	59.8	45.4	67.8	57.7	14.6	33.0	163.0
WA007998			46.3	67.4	58.0	14.8	33.3	159.5
ACS52610				67.2	61.6	14.7	31.3	164.0
HANK	62.2	66.9	47.6	67.1	54.5	16.2	30.0	159.0
UI WINCHESTER				66.9	59.3	14.1	32.0	159.5
WA007954				66.3	59.8	15.2	35.0	163.0
BUCK PRONTO		60.0	45.2	66.0	58.6	15.6	31.3	157.0
HOLLIS	56.1	59.9	44.5	65.8	57.6	16.0	41.7	161.0
TARA 2002	57.3	60.0	44.6	65.8	58.4	15.1	32.3	157.5
BZ9M03-1044				65.2	59.4	15.1	28.0	160.0
WA008017				64.8	59.2	14.7	31.0	159.0
WA008018				63.9	58.2	14.6	32.3	162.5
JEROME		57.4	43.3	61.7	58.3	14.4	31.7	156.5
WA008016				61.2	57.4	15.1	31.3	163.5
WA008015				60.7	57.7	14.9	32.7	163.5
WA007953				60.6	60.4	15.7	42.0	163.5
C.V. %	6.4	6.7	4.8	4.6	1.5	4.7	--	--
LSD '@.10'	2.2	3.2	2.4	4.1	1.2	1.0	--	--
Average	58.6	61.1	45.9	65.6	58.4	15.1	32.8	160.2
Highest	62.2	66.9	48.7	68.8	61.6	16.2	42.0	164.0
Lowest	56.1	57.4	43.3	60.6	54.5	14.1	28.0	156.5

DAYTON SPRING WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Spring Wheat **yield data** from the WSU Variety Testing nursery at the Dayton location averaged 62.7, 66.7, and 65.6 bu/ac for soft white spring, hard white spring and hard red spring wheat, respectively. The 2006 spring wheat **average YIELDS were higher** by 7.3%, 4.7% and 7.3% for soft white spring, hard white spring and hard red spring wheat, respectively, compared to the historical 3-year average. This 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. This nursery was planted on 24 March 2006 on winter wheat stubble. *NOTE: This nursery was located approximately 8 miles SW of Dayton, WA on Payne Hollow/Hogeye Hollow Rd (J. Takemura farm).*
2. This nursery had a moderate infestation of **Cereal Leaf Beetle (CLB)** and an insecticide was used to control the infestation. The CLB infestation is not considered have caused any yield loss.
3. **TEST WEIGHT** average values across all three market classes had a range of 58.4 to 59.0 lbs/bu. Both Fielder and Edwall soft white spring wheat varieties exhibited very low test weight values. This could have been a function of heat stress during kernel development that affected these older varieties more than others.
4. **GRAIN PROTEIN** values were fairly high across all market classes. Some of the elevated protein values in the soft white spring wheat are undoubtedly related to dry/heat stress conditions during grain fill. The soil fertility levels favored hard spring market classes
5. In general, variety **YIELD RANKINGS** continue to closely followed 3-year yield rank trends.