

2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT ST. JOHN, WA.

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
XERPHA		135.9	164.0	176.9	60.2	12.4	0.0	41.8	150.3
9222407A			153.1	173.5	61.5	12.1	0.0	43.8	149.9
9364901A				169.8	61.6	11.9	0.0	40.8	149.4
TUBBS	152.2	145.6	165.9	169.6	60.0	11.9	0.0	42.0	146.8
WA008021				165.8	59.9	12.7	0.0	40.5	150.6
CARA		147.7	160.2	165.0	59.6	12.4	0.0	38.0	150.0
ELTAN/TUBBS				163.3	59.7	12.2	0.0	43.0	147.5
STEPHENS	145.7	139.7	150.1	162.7	58.9	12.4	0.0	38.8	144.1
ELTAN	128.5	116.5	139.6	161.9	60.5	12.4	0.0	42.5	152.6
TUBBS 06			158.2	161.4	59.4	12.3	0.0	42.5	147.6
AP 700 CL				160.9	60.0	12.5	0.0	40.5	145.6
ROD/TUBBS				160.3	57.6	12.4	0.0	41.3	147.9
CHUKAR	152.0	143.7	158.6	160.2	58.8	12.5	0.0	41.5	150.3
BRUNDAGE 96	138.1	130.9	151.0	159.9	59.5	12.5	0.0	39.5	147.8
MASAMI	141.8	133.5	152.1	158.4	59.2	11.8	0.0	40.0	151.1
ID02-859				157.6	59.4	12.1	0.0	37.3	148.9
ORCF-102		134.8	151.6	156.9	61.1	12.5	0.0	41.0	147.1
RJAMES		123.7	144.6	156.1	59.6	11.8	0.0	36.8	149.8
LAMBERT	138.9	131.8	146.4	155.8	60.2	12.2	0.0	40.8	146.5
WA007934	130.0	118.6	144.2	153.4	59.7	12.5	0.0	42.3	152.1
ARS00235	134.1	127.0	148.1	152.1	61.8	13.0	0.0	45.3	150.6
BU6W00-523			148.4	151.7	60.8	12.2	0.0	39.3	146.6
ROD	139.3	124.5	142.0	151.4	58.3	11.9	0.0	39.0	150.3
ELTAN/MADSEN				151.3	60.3	13.0	2.5	43.3	149.5
ID990435			144.2	149.9	59.5	12.2	0.0	43.5	145.5
WB 528	134.1	125.8	148.7	149.9	61.5	12.9	0.0	38.5	144.1
MJ-9	145.6	140.7	150.4	149.5	57.8	12.6	0.0	37.5	149.8
WA008020				149.3	57.6	13.1	0.0	39.5	153.0
SALUTE				149.2	58.7	12.5	0.0	40.5	147.4
MADSEN/ROD			145.3	149.1	59.6	12.6	0.0	38.5	150.0
CASHUP	137.5	128.3	143.9	148.3	60.3	12.0	0.0	38.8	149.9
ORI2042037				147.6	60.2	13.1	0.0	40.3	151.6
FINCH	142.5	132.9	143.7	145.4	61.1	12.9	0.0	41.0	151.8
MOHLER	133.5	122.7	145.6	144.4	60.1	12.0	0.0	40.8	147.9
WA008000			138.0	143.4	60.2	11.8	0.0	41.0	151.0
BRUEHL	133.3	120.7	142.9	143.0	57.9	13.0	0.0	40.3	151.8
ARSC96059-1		131.3	143.4	143.0	61.9	13.0	0.0	44.8	149.3
CODA	131.2	123.3	141.4	142.9	62.2	12.9	5.0	42.0	150.1
RELY	132.5	118.7	139.3	142.2	60.0	11.3	0.0	40.0	149.8
IDAHO 587	135.6	129.1	137.3	141.8	59.0	12.1	0.0	39.3	145.3
GEORGE		116.2	144.3	141.3	59.1	13.0	7.5	43.8	152.5
BZ6WM02-1020			139.2	139.9	61.0	12.3	0.0	38.5	151.1
SIMON	137.7	132.6	140.7	139.5	59.3	12.4	0.0	40.0	148.9
CONCEPT		128.4	141.4	139.1	60.1	12.3	0.0	38.8	150.1
MJ-4	136.6	125.3	138.7	136.6	59.7	12.8	0.0	37.3	151.8
MADSEN	135.1	130.0	139.0	134.6	60.1	12.9	0.0	38.3	150.1
ORCF-101	137.5	131.6	135.4	134.6	58.4	13.3	0.0	38.8	145.8
BU6W99-456			135.2	132.1	61.6	13.6	0.0	37.5	144.0
ARS970278-2				127.5	60.3	12.3	0.0	38.0	149.1
EDWIN	107.3	100.2	125.0	122.0	61.3	12.9	35.0	47.3	149.9
C.V. %	9.4	10.0	7.5	8.5	1.7	4.0	--	--	--
LSD '@ .10'	6.8	8.9	9.1	15.0	1.2	0.6	--	--	--
Average	136.7	128.8	145.7	150.8	59.9	12.5	1.0	40.5	149.1
Highest	152.2	147.7	165.9	176.9	62.2	13.6	35.0	47.3	153.0
Lowest	107.3	100.2	125.0	122.0	57.6	11.3	0.0	36.8	144.0

ST JOHN SOFT WHITE WINTER WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the St John location averaged 150.8 bu/ac; about 17% above a historical 3-yr average yields.
NOTE: This nursery was located, approximately 8 miles east of St John, WA on Ingram Rd (Mac and Rod Mills's farm).
2. This nursery was **seeded** on 25 September 2006 on fallow ground using a double disc plot drill (6-in opener spacing) at a seeding rate of 85# per acre. The base fertilizer rate was 90#N and 15#S. The nursery had good emergence and was in a 2-3 tiller stage of development on a 24 Oct 2006 field evaluation.
3. In general, the cold snaps at the end of October 2006 and the 10-day cold-snap in mid-January (11-21 Jan 2007) had minimal winter injury impact and the stand was fairly even coming out of winter probably as a result of above normal precipitation during November 2006.
4. **Yield differences** had a range of 122.0 to 176.9 bu/ac and there are large groupings of varieties/lines that had average yields grouped very closely together and not statistically different (LSD @0.10 was 15.0 bu/ac). Even with the dry spring conditions this is a nursery that seemed to take advantage of the 2-week cool period in June coupled with some timely precipitation. Average heading date and subsequent kernel development at this location was closely associated with this cool period and undoubtedly contributed to being ideal conditions for crop development and kernel fill.
5. Wheat quality in terms of **test weight** was good and averaged 59.9 lbs/bu, with a range of 57.6 to 62.2 lb/bu that are probably also a function of the cool period in June that allowed kernels to fill before any heat/drought stress.
6. **Average Percent grain protein** was somewhat high at 12.5%.