

## 2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT ANATONE, WA.

Variety Name <small>*Club Italicized</small>	5 YEAR	3 YEAR	2 YEAR	2010					
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
XERPHA	97	103	110	123	56.4	10.4	0	42	169
WA008115				120	56.9	11.5	0	42	164
ELTAN	89	93	100	119	54.8	11.3	0	44	170
AP LEGACY		96	103	118	57.3	9.6	0	44	166
<i>ARS970075-3C</i>		87	94	117	58.2	11.3	0	43	168
DH99-55-2 (Soft Red)				114	57.4	10.1	0	45	166
RJAMES	87	89	102	113	53.5	10.6	0	39	167
WA008114				113	57.6	11.3	0	41	163
ELTAN/MADSEN		85	91	112	55.3	11.1	0	43	169
WA008116				112	56.1	10.8	0	41	169
WA008092			95	111	53.4	11.4	0	42	170
WA008117				111	55.3	10.7	0	40	169
BRUNDAGE 96	82	89	97	109	56.6	10.8	0	42	166
<i>ARS970071-3C</i>			92	109	59.5	11.4	0	45	168
<i>CARA +25%</i>				109	56.4	10.3	0	40	168
<i>BRUEHL</i>	80	84	90	108	52.9	11.2	0	43	170
MASAMI	82	84	96	108	54.0	10.6	0	43	169
BRUNEAU		82	92	107	56.7	9.8	0	42	168
OR2040726			96	107	57.7	11.5	0	39	165
OR2060395				107	55.3	11.1	0	40	166
ORCF-102	89	88	96	106	57.4	10.8	0	44	168
<i>BRUEHL +25%</i>				106	52.0	12.1	0	43	169
WB-528	80	81	91	105	58.8	10.8	0	43	162
ARS960277L		82	87	105	55.4	10.8	0	42	169
ELTAN/TUBBS06		87	94	105	54.3	10.6	0	44	166
KCF9002				105	58.4	11.8	0	41	165
<i>CHUKAR +25%</i>				105	56.1	10.3	0	41	169
<i>CODA</i>	85	85	92	104	59.6	11.6	0	44	169
<i>CARA</i>	73	78	87	104	56.0	10.9	0	38	168
WA008093			94	104	55.5	10.8	0	41	167
KCF9001				104	54.3	11.1	0	47	169
SALUTE		84	93	103	55.2	11.0	0	44	166
UICF-BRUNDAGE		90	92	103	56.2	11.0	0	39	166
SKILES		83	92	103	56.4	11.8	0	38	167
BZ6W02-616			91	103	60.4	10.8	0	40	160
GOETZE/SKILES				103	56.1	11.2	0	38	165
ROD	85	84	90	102	54.8	10.5	0	41	169
WA008094			89	101	55.0	11.2	0	44	169
<i>ARS970163-4C</i>				101	55.6	11.4	0	43	169
ID00-475-2DH				101	57.1	11.0	0	42	168
BITTERROOT	80	80	85	100	56.2	11.4	0	45	167
WA008063		84	93	100	57.1	11.3	0	39	164
GEORGE	84	87	90	99	53.2	11.8	0	45	170
ROD/TUBBS06		85	93	99	55.0	10.6	0	43	167
MADSEN	83	86	90	98	55.9	11.5	0	41	169
MADSEN/ROD	81	81	89	98	55.2	11.1	0	41	169
ARS970170-2L			90	98	54.5	11.2	0	46	170
<i>CHUKAR</i>	75	79	85	97	55.0	11.0	0	41	169
LEGION		80	89	96	55.8	11.1	0	43	166
<i>ARS970184-1C</i>				95	55.6	10.8	0	41	167
ORCF-103		83	93	94	54.3	11.5	0	41	169
LAMBERT	79	81	84	89	55.1	11.2	0	43	165
TUBBS 06	77	79	86	89	54.2	10.6	0	43	166
KCF9003				89	56.9	11.7	0	53	167

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Variety Name <small>*Club Italicized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2010					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<b>AP 700 CL</b>		81	90	88	55.5	11.7	0	40	166
<b>FINCH</b>	80	81	87	87	55.3	11.5	0	43	170
<b>CDC PTARMIGAN</b>			81	86	56.0	10.4	0	48	167
<b>SIMON</b>	76	72	78	85	54.9	11.0	0	42	166
<b>STEPHENS</b>	75	75	80	82	56.2	11.5	0	39	164
<b>REA STEPHENS</b>				78	57.3	11.8	0	45	165
<b>C.V. %</b>	9	8	7	7	1.5	5.7	--	3	0
<b>LSD '@ .10'</b>	4	5	7	10	1.1	0.9	--	2	1
<b>Average</b>	82	84	91	103	55.9	11.1	0	42	167
<b>Highest</b>	97	103	110	123	60.4	12.1	0	53	170
<b>Lowest</b>	73	72	78	78	52.0	9.6	0	38	160

### Anatone Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Anatone soft white winter wheat trial averaged 103 bushels/acre, 21 bushels/acre higher than the 5-year average. The Anatone nursery was located about three miles north of Anatone, WA (Jeff Johnson, cooperator).

2. This nursery was seeded on 17 September, 2009 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 80#N/acre. Fall seeding conditions were adequate with good stands over winter.

3. Yields ranged from 78 bu/ac to 123 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold and 6 of the 60 entries in this trial are in the top group. Xerpha was the highest yielding variety in the trial. Stripe rust was not a significant factor at this location. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 25% for yield.

4. Test weights were mostly low with an average of 55.9 lb/bu and ranged from 52.0 to 60.4 lb/bu. I believe these lower test weights are due to limited soil moisture during grain filling after plants grew large from early precipitation.

5. Grain protein averaged 11.1% with a range of 9.6 to 12.1%. Plant height averaged 42 inches and there was no lodging.