

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

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
<i>ARS970163-4C</i>				82	59.3	7.5	0	37	149
MASAMI	58	54	66	75	58.6	7.4	0	37	147
BZ6W02-616			61	69	60.4	9.7	0	33	139
ELTAN	56	54	66	68	57.5	7.3	0	37	147
GEORGE	56	52	64	68	57.9	7.2	0	36	149
RJAMES	50	50	62	68	57.5	7.3	0	33	145
BRUNDAGE 96	50	47	58	67	59.7	8.3	0	35	144
AP LEGACY		49	61	67	59.0	7.1	0	38	144
WA008092			61	67	58.4	7.9	0	37	149
LEGION		51	61	66	58.6	8.1	0	36	145
<i>CHUKAR +25%</i>				66	58.1	7.4	0	37	147
BRUEHL	53	51	61	65	57.6	7.7	0	37	148
ARS960277L		45	56	65	58.7	7.7	0	37	147
DH99-55-2 (Soft Red)				65	57.6	7.4	0	40	144
WA008117				65	59.7	8.0	0	31	148
<i>BRUEHL +25%</i>				65	57.2	7.5	0	37	147
CHUKAR	50	44	52	64	58.3	7.4	0	36	147
XERPHA	56	52	62	64	58.4	7.9	0	37	147
CARA	51	46	56	63	58.0	7.5	0	33	147
MADSEN	49	46	56	63	59.5	8.8	0	35	146
BITTERROOT	45	44	57	63	59.1	7.7	0	39	146
UICF-BRUNDAGE		46	56	63	59.0	7.8	0	33	144
ELTAN/TUBBS06		48	59	63	58.5	7.9	0	36	146
ARS970170-2L			58	62	59.0	7.9	0	36	149
ROD/TUBBS06		45	54	61	58.7	7.7	0	36	145
<i>ARS970071-3C</i>			58	61	59.8	8.5	0	37	146
WA008093			57	61	58.7	8.0	0	34	146
ROD	49	45	52	60	58.7	7.6	0	34	148
MADSEN/ROD	49	46	55	60	59.2	8.1	0	34	147
<i>ARS970075-3C</i>		47	58	60	59.9	7.3	0	34	146
ORCF-102	51	45	55	59	59.6	8.5	0	36	146
ORCF-103		45	56	58	58.4	7.4	0	33	147
WA008063		46	55	58	<b>60.6</b>	8.8	0	33	143
OR2040726			54	58	59.8	8.6	0	33	144
WA008115				58	60.4	9.8	0	32	142
<i>CARA +25%</i>				58	57.7	7.4	0	34	146
CODA	49	42	51	57	59.7	8.0	0	37	149
SIMON	42	41	50	57	59.4	8.3	0	35	145
BRUNEAU		43	55	57	59.7	8.0	0	32	146
AP 700 CL		43	52	57	59.9	9.2	0	35	144
KCF9001				57	58.3	8.0	0	40	147
FINCH	51	46	55	56	60.1	7.5	0	35	150
SALUTE		41	50	56	58.0	8.4	0	37	144
SKILES		44	51	56	60.3	8.7	0	34	144
WA008114				56	59.9	8.7	0	33	143
ID00-475-2DH				56	60.2	8.0	0	35	146
TUBBS 06	45	42	50	55	58.7	7.6	0	36	145
ELTAN/MADSEN		48	58	55	58.2	7.9	0	34	149
WA008094			54	55	59.5	7.6	0	37	148
WA008116				54	59.6	7.6	0	30	148
KCF9002				54	<b>60.9</b>	9.8	0	36	144
CDC PTARMIGAN			54	53	56.6	7.9	0	39	146
LAMBERT	43	40	48	52	58.2	7.8	0	35	144
<i>ARS970184-1C</i>				52	59.0	8.0	0	33	146

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Variety Name <i>*Club Italicized</i>	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>OR2060395</b>				52	58.7	8.5	0	34	145
<b>WB-528</b>	44	40	48	51	60.3	8.6	0	35	143
<b>GOETZE/SKILES</b>				51	<b>60.5</b>	9.1	0	34	145
<b>REA STEPHENS</b>				49	59.1	8.4	0	35	141
<b>STEPHENS</b>	41	37	45	48	59.3	8.6	0	34	142
<b>KCF9003</b>				46	59.4	8.4	0	41	144
<b>C.V. %</b>	12	10	10	11	0.7	6.0	--	4	1
<b>LSD '@ .10'</b>	3	4	5	9	0.5	0.7	--	2	1
<b>Average</b>	49	46	56	60	59.0	8.1	0	35	146
<b>Highest</b>	58	54	66	82	60.9	9.8	0	41	150
<b>Lowest</b>	41	37	45	46	56.6	7.1	0	30	139

### Ritzville Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Ritzville soft white winter wheat trial averaged 60 bushels/acre, 11 bushels/acre higher than the 5-year average. Higher yields were enabled by favorable spring precipitation and temperatures. The Ritzville nursery was located about four miles west of Ritzville, WA (R. Jirava farm).
2. This nursery was seeded on 1 September, 2009 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill set on 15-inch spacing. Base fertilizer was 40#N. Fall seeding conditions were dry, but emergence and stand establishment were adequate.
3. Yields ranged from 46 bu/ac to 82 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. One of Kim Campbell's experimental club lines was the highest yielding cultivar in the trial. Stripe rust was epidemic, but this location incurred less impact from stripe rust than many locations. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 27% for yield.
4. Test weights were okay with an average of 59.0 lb/bu and ranged from 56.6 to 60.9 lb/bu.
5. Grain protein was low and averaged 8.1% with a range of 7.1 to 9.8%. Plant height averaged 35 inches.