

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

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
XERPHA	--	55	59	67	62.3	11.7	0	37	143
RJAMES	--	49	60	67	61.3	11.0	0	32	143
ELTAN	--	52	59	65	62.7	11.5	0	36	151
WA008092	--		56	65	62.4	11.8	0	36	145
MASAMI	--	52	56	64	62.2	11.3	0	35	143
GEORGE	--	50	57	64	62.1	11.7	0	36	145
CHUKAR	--	51	55	63	62.2	11.6	0	32	144
<i>ARS970163-4C</i>	--			63	62.8	11.9	0	35	145
ORCF-103	--	55	57	62	62.2	11.6	0	33	143
ELTAN/TUBBS06	--	50	57	62	62.2	11.4	0	36	142
<i>CHUKAR +25%</i>	--			62	62.1	11.4	0	34	144
CARA	--	45	51	61	62.3	12.1	0	33	144
AP LEGACY	--	52	55	61	62.0	11.9	0	35	141
ARS970170-2L	--		55	61	62.4	11.6	0	36	145
DH99-55-2 (Soft Red)	--			61	61.7	11.5	0	35	140
CODA	--	48	54	60	63.7	12.0	0	35	146
WA008116	--			60	62.0	11.5	0	32	145
<i>CARA +25%</i>	--			60	61.6	11.0	0	33	144
BRUEHL	--	44	53	59	61.8	11.8	0	36	144
TUBBS 06	--	51	54	59	61.7	11.8	0	35	140
ARS960277L	--	47	52	59	61.7	11.8	0	34	144
WA008094	--		53	59	62.5	11.9	0	37	144
WA008117	--			59	61.7	11.7	0	32	144
ELTAN/MADSEN	--	50	55	58	62.7	11.6	0	35	144
UICF-BRUNDAGE	--	50	49	56	61.5	12.0	0	31	141
FINCH	--	51	55	55	62.3	11.8	0	33	146
<i>ARS970071-3C</i>	--		51	55	62.7	12.3	0	36	143
WA008093	--		51	55	62.0	11.6	0	33	142
<i>BRUEHL +25%</i>	--			55	62.2	12.4	0	35	144
ID00-475-2DH	--			55	62.6	12.2	0	33	144
ORCF-102	--	51	51	54	62.4	12.1	0	35	141
<i>ARS970075-3C</i>	--	46	51	54	62.8	12.5	0	34	143
LEGION	--	52	56	53	61.7	12.5	0	34	141
KCF9001	--			53	62.6	12.8	0	37	142
ROD	--	49	52	52	61.0	11.2	0	33	144
BRUNDAGE 96	--	46	49	52	61.5	12.5	0	32	141
BRUNEAU	--	45	46	52	62.1	12.1	0	31	142
ROD/TUBBS06	--	50	51	52	61.2	11.8	0	34	141
WA008063	--	43	49	51	62.2	12.8	0	31	140
SIMON	--	45	47	50	62.1	12.2	0	34	142
<i>ARS970184-1C</i>	--			50	63.3	12.6	0	33	142
GOETZE/SKILES	--			50	61.2	14.0	0	32	141
BITTERROOT	--	43	48	49	62.1	12.9	0	34	143
MADSEN/ROD	--	47	49	49	61.3	12.4	0	33	144
SALUTE	--	41	44	48	60.0	12.0	0	34	142
CDC PTARMIGAN	--		43	48	60.6	10.9	0	35	142
WA008115	--			48	62.7	12.6	0	32	140
MADSEN	--	45	47	47	61.2	13.0	0	34	144
SKILES	--	48	51	47	61.2	14.0	0	30	141
OR2040726	--		47	47	61.4	13.4	0	30	141
KCF9002	--			47	62.8	13.5	0	33	141
KCF9003	--			47	62.8	12.8	0	39	140
REA STEPHENS	--			47	62.8	12.4	0	33	139
WB-528	--	48	49	46	63.1	12.8	0	32	141

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
OR2060395	--			45	60.8	12.3	0	32	143
LAMBERT	--	43	44	42	62.0	12.1	0	33	140
WA008114	--			42	62.7	12.4	0	30	140
STEPHENS	--	44	45	41	62.1	12.6	0	30	140
AP 700 CL	--	44	44	41	61.3	13.3	0	33	142
BZ6W02-616	--		40	35	63.0	13.8	0	31	138
C.V. %	--	11	9	10	0.6	3.9	--	4	1
LSD '@ .10'	--	4	5	7	0.5	0.6	--	2	2
Average	--	48	51	54	62.1	12.2	0	34	143
Highest	--	55	60	67	63.7	14.0	0	39	151
Lowest	--	41	40	35	60.0	10.9	0	30	138

Connell Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Connell soft white winter wheat trial averaged 54 bushels/acre, 6 bushels/acre higher than the 3-year average. Higher yields were enabled by favorable spring precipitation and temperatures. The Connell nursery was located about six miles east of Connell, WA (D. Bauermeister farm).
2. This nursery was seeded on 2 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 60#N. Fall seeding conditions were dry, but emergence and stand establishment were adequate.
3. Yields ranged from 35 bu/ac to 67 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Xerpha was the highest yielding cultivar in the trial, but 15 of the 60 entries in the trial were within the top LSD range. Stripe rust was epidemic, but this location incurred less impact from strip rust than many locations. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 20% for yield.
4. Test weights were very good with an average of 62.1 lb/bu. High test weights also show that stripe rust did not have a large impact and moisture conditions were favorable.
5. Grain protein averaged 12.2% with a range of 10.9 to 14.0% and plant height averaged 34 inches. Both parameters are typical for this yield level.