

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT REARDAN, WA.

Variety Name <small>*Club Italicized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WA008066			94	107	62.0	11.3	0	34	165
ORCF-102	94	87	90	106	60.2	11.0	0	35	164
ELTAN/MADSEN		90	92	106	60.3	10.4	0	36	166
CDC PTARMIGAN				106	59.1	10.4	0	37	162
TUBBS 06		81	82	104	58.9	10.5	0	36	164
ELTAN	96	83	87	103	61.1	11.8	0	35	165
XERPHA	101	89	91	102	60.1	11.2	0	34	165
GEORGE	100	89	93	102	59.3	11.1	0	34	166
RJAMES	92	81	86	102	59.1	10.9	0	30	163
FINCH	97	89	94	101	61.7	11.2	0	32	166
ID02-859		91	94	101	58.7	10.9	0	30	162
MADSEN/ROD		86	89	100	59.7	11.2	0	32	165
<i>BRUEHL</i>	91	82	86	99	59.8	11.1	0	35	165
CASHUP	91	81	83	99	60.6	10.9	0	29	164
LEGION			83	99	58.7	11.4	0	36	164
ORCF-103		84	83	98	60.0	11.1	0	33	166
<i>CARA</i>	93	83	88	97	59.4	11.0	0	28	164
WB 523		84	84	97	60.7	11.4	0	32	162
WB 1020M		78	79	97	60.3	11.1	0	28	162
AP LEGACY			87	96	60.6	11.2	0	32	163
MASAMI	93	83	85	95	59.1	10.7	0	33	165
ID990435		77	74	95	59.4	11.0	0	34	161
AP 700 CL		75	75	95	59.3	11.5	0	32	163
ROD/TUBBS06			81	95	59.1	10.8	0	34	164
WA008094				95	61.1	11.8	0	34	165
ARS970170-2L				95	60.6	10.6	0	34	165
OR2060324				95	56.8	10.8	0	28	165
SKILES			86	94	59.6	11.8	0	31	164
OR2040726				94	60.2	11.4	0	30	161
ORI2060306				94	60.2	12.2	0	31	164
WA008092				93	60.3	11.5	0	34	166
OR2050293				93	59.2	11.5	0	30	162
SIMON	83	76	75	91	59.9	11.3	0	33	164
<i>ARS970168-2C</i>			85	91	62.3	11.7	0	30	163
WA008065			78	90	60.7	11.9	0	32	161
ELTAN/TUBBS06			85	90	60.3	11.0	0	34	165
<i>CHUKAR</i>	94	80	83	89	58.8	10.8	0	30	165
MADSEN	88	78	77	89	59.7	11.2	0	32	165
BRUNDAGE 96	96	85	84	89	58.5	10.7	0	30	161
WA008063			78	89	60.9	12.1	0	30	159
<i>ARS970071-3C</i>				88	59.9	11.5	0	34	163
ORCF-101	82	79	79	87	59.3	11.6	0	32	164
WA008093				87	59.2	11.4	0	31	164
BITTERROOT		76	76	86	60.4	11.0	0	35	165
KCF08002				86	59.6	11.3	0	33	159
LAMBERT	91	78	73	85	59.9	11.3	0	33	161
9364901A		76	73	85	60.1	10.8	0	30	164
WA008064			72	85	61.1	11.5	0	29	159
KCF08001				85	60.2	11.7	0	32	159
STEPHENS	76	70	68	84	59.1	11.3	0	30	161
WB-528	76	72	71	84	61.2	11.6	0	31	160
WB 456		72	74	83	61.1	11.6	0	31	158
WB 1066M			76	83	61.1	11.7	0	32	160
<i>CODA</i>	91	78	79	82	61.2	11.7	0	32	165

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
ROD	90	76	77	82	59.3	10.2	0	31	165
SALUTE		74	70	82	58.7	11.1	0	31	162
BZ6W02-616				80	60.9	11.3	0	32	157
WB 1070M				72	62.1	13.1	0	29	157
C.V. %	11	12	13	11	0.9	5.5	--	5	0
LSD '@ .10'	5	7	10	14	0.7	0.8	--	2	1
Average	91	81	82	93	60.0	11.3	0	32	163
Highest	101	91	94	107	62.3	13.1	0	37	166
Lowest	76	70	68	72	56.8	10.2	0	28	157

1. Grain yield in the Reardan soft white winter wheat trial averaged 93 bu/ac, 2 bu/ac higher than the 5-year average yield at this location. The Reardan nursery was located about 6 miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 25 September, 2008 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 85#N, 7#P, and 5#S applied in the fall. Seeding conditions produced good stands that overwintered well. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 47% compared to previously used designs.
3. Yields ranged from 72 bu/ac to 107 bu/ac, with a CV of 11% which is more variability than desired at this trial. Yield values within the LSD range of the highest yield are shown in bold and included 32 cultivars and blends, more than half of the entries listed. Club variety names are designated by italicized print.
4. Test weights were good with an average of 60.0 lb/bu. Grain protein averaged 11.3% with a range of 10.2 to 13.1%. The average plant height was 32 inches.