

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

| Variety Name <i>*Club Italicized</i> | 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 | -- | | 28 | 38 | 59.7 | 12.3 | 0 | 26 | 151 |
| AP LEGACY | -- | | 28 | 36 | 59.5 | 12.8 | 0 | 27 | 150 |
| ELTAN | -- | 37 | 30 | 35 | 60.9 | 12.4 | 0 | 26 | 150 |
| ORCF-103 | -- | 35 | 28 | 35 | 60.3 | 12.6 | 0 | 24 | 151 |
| GEORGE | -- | 38 | 30 | 34 | 59.3 | 12.6 | 0 | 25 | 151 |
| WA008092 | -- | | | 34 | 58.8 | 12.3 | 0 | 26 | 151 |
| ARS970170-2L | -- | | | 34 | 59.4 | 12.9 | 0 | 25 | 151 |
| ELTAN/TUBBS06 | -- | | 27 | 33 | 60.9 | 12.5 | 0 | 27 | 151 |
| WA008094 | -- | | | 33 | 58.5 | 12.2 | 0 | 26 | 151 |
| FINCH | -- | 32 | 25 | 32 | 59.3 | 12.8 | 0 | 24 | 151 |
| ELTAN/MADSEN | -- | 33 | 26 | 32 | 60.9 | 12.1 | 0 | 26 | 151 |
| SKILES | -- | | 28 | 32 | 59.7 | 14.4 | 0 | 26 | 149 |
| MASAMI | -- | 33 | 25 | 31 | 59.3 | 12.2 | 0 | 27 | 151 |
| <i>BRUEHL</i> | -- | 34 | 26 | 29 | 58.3 | 12.7 | 0 | 26 | 151 |
| RJAMES | -- | 30 | 23 | 29 | 58.4 | 12.1 | 0 | 25 | 150 |
| <i>ARS970071-3C</i> | -- | | | 29 | 59.9 | 13.6 | 0 | 24 | 151 |
| XERPHA | -- | 37 | 27 | 28 | 58.6 | 12.7 | 0 | 25 | 151 |
| SALUTE | -- | 33 | 24 | 28 | 57.4 | 13.2 | 0 | 25 | 150 |
| <i>ARS970168-2C</i> | -- | | 24 | 28 | 60.6 | 12.6 | 0 | 23 | 150 |
| WA008063 | -- | | 23 | 28 | 60.3 | 13.8 | 0 | 25 | 148 |
| WB 1020M | -- | 30 | 25 | 26 | 60.6 | 12.9 | 0 | 24 | 151 |
| WB-528 | -- | 28 | 21 | 25 | 59.6 | 13.9 | 0 | 23 | 149 |
| WB 523 | -- | 26 | 20 | 25 | 59.6 | 13.6 | 0 | 24 | 149 |
| WA008065 | -- | | 22 | 25 | 59.6 | 13.5 | 0 | 25 | 150 |
| WA008093 | -- | | | 25 | 60.5 | 13.2 | 0 | 25 | 149 |
| <i>CARA</i> | -- | 26 | 21 | 24 | 58.5 | 13.0 | 0 | 22 | 151 |
| TUBBS 06 | -- | 30 | 22 | 24 | 58.4 | 13.0 | 0 | 26 | 150 |
| CASHUP | -- | 30 | 23 | 24 | 60.2 | 13.0 | 0 | 25 | 151 |
| WA008064 | -- | | 21 | 24 | 60.4 | 13.7 | 0 | 25 | 148 |
| BRUNDAGE 96 | -- | 28 | 20 | 23 | 59.3 | 13.0 | 0 | 24 | 149 |
| ID02-859 | -- | 31 | 20 | 23 | 58.7 | 13.1 | 0 | 23 | 149 |
| LEGION | -- | | 23 | 23 | 58.2 | 12.9 | 0 | 27 | 150 |
| CDC PTARMIGAN | -- | | | 23 | 58.1 | 12.2 | 0 | 24 | 151 |
| ORCF-102 | -- | 29 | 20 | 22 | 58.2 | 13.4 | 0 | 24 | 151 |
| OR2040726 | -- | | | 22 | 56.8 | 13.3 | 0 | 23 | 149 |
| ROD | -- | 30 | 23 | 21 | 56.6 | 12.8 | 0 | 25 | 152 |
| STEPHENS | -- | 26 | 19 | 21 | 57.8 | 13.1 | 0 | 24 | 149 |
| WB 1066M | -- | | 18 | 21 | 60.1 | 13.7 | 0 | 25 | 148 |
| <i>CODA</i> | -- | 30 | 22 | 20 | 60.3 | 13.1 | 0 | 23 | 151 |
| BITTERROOT | -- | 25 | 17 | 20 | 58.0 | 13.5 | 0 | 24 | 151 |
| WB 456 | -- | 25 | 18 | 20 | 60.5 | 14.5 | 0 | 23 | 148 |
| AP 700 CL | -- | 28 | 21 | 20 | 59.3 | 13.9 | 0 | 27 | 149 |
| ROD/TUBBS06 | -- | | 20 | 20 | 57.1 | 13.2 | 0 | 23 | 151 |
| KCF08001 | -- | | | 20 | 58.2 | 14.0 | 0 | 26 | 148 |
| <i>CHUKAR</i> | -- | 30 | 21 | 19 | 55.1 | 13.1 | 0 | 24 | 152 |
| OR2050293 | -- | | | 19 | 58.1 | 13.0 | 0 | 23 | 150 |
| BZ6W02-616 | -- | | | 19 | 60.6 | 13.6 | 0 | 25 | 147 |
| ORI2060306 | -- | | | 19 | 57.0 | 13.8 | 0 | 25 | 150 |
| SIMON | -- | 24 | 18 | 18 | 56.9 | 13.4 | 0 | 23 | 151 |
| ORCF-101 | -- | 26 | 17 | 18 | 57.0 | 14.0 | 0 | 25 | 150 |
| MADSEN | -- | 27 | 18 | 17 | 58.5 | 13.8 | 0 | 23 | 151 |
| 9364901A | -- | 24 | 15 | 17 | 57.9 | 13.4 | 0 | 22 | 151 |
| LAMBERT | -- | 24 | 16 | 15 | 58.8 | 12.5 | 0 | 27 | 150 |
| MADSEN/ROD | -- | 24 | 17 | 14 | 56.6 | 13.4 | 0 | 22 | 152 |

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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) | 2009 | | | | | |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|----------------|-------------|--------------|
| | | | | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | LODGING (%) | PLANT HT | HEAD DATE |
| ID990435 | -- | 24 | 14 | 13 | 58.4 | 13.4 | 0 | 25 | 151 |
| WB 1070M | -- | | | 13 | 59.6 | 14.8 | 0 | 24 | 148 |
| KCF08002 | -- | | | 11 | 57.2 | 14.0 | 0 | 25 | 149 |
| OR2060324 | -- | | | * | * | * | | | |
| C.V. % | -- | 17 | 22 | 23 | 2.3 | 4.1 | -- | 7 | 1 |
| LSD '@ .10' | -- | 3 | 4 | 8 | 1.8 | 0.7 | -- | 2 | 1 |
| Average | -- | 29 | 22 | 24 | 58.9 | 13.2 | 0 | 25 | 150 |
| Highest | -- | 38 | 30 | 38 | 60.9 | 14.8 | 0 | 27 | 152 |
| Lowest | -- | 24 | 14 | 11 | 55.1 | 12.1 | 0 | 22 | 147 |

***Insufficient plant stands for data collection.**

1. Grain yield in the Lind soft white winter wheat trial averaged 23 bu/ac, off 17% from a 3-year average yield for this location. The Lind nursery was located on the WSU Lind Dryland Research Station north of the town of Lind.
2. This nursery was seeded on 4 September, 2008 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill with split packer openers set on 15-inch spacing. Base fertilizer was 50#N and 10#S. Fall seeding conditions were dry resulting in poor, spotty emergence, and excess soil coverage due to deep planting with the plot drill caused many gaps in individual plots. Patchy stand establishment was typical of production fields in the area. When appropriate, gaps were subtracted from the plot areas to maintain equivalent comparisons. Because of missing plot values, this experiment was not analyzed as an alpha lattice experimental design, but as a randomized complete block design.
3. Yields ranged from 11 bu/ac to 38 bu/ac. Yield values within the LSD range of the highest yield are shown in bold. The CV for yield was over 20%. When CV yield values exceed 20%, results hold limited statistical validity and should be used with cautious interpretation. Club variety names are designated by italicized print.
4. Test weights were good with an average of 58.9 lb/bu.
5. Grain protein averaged 13.2% with a range of 12.1 to 14.8%. High protein can occur with high amount of spring growth and N uptake that was supported by the weather conditions. Average plant height was 25 inches.