

2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT FARMINGTON, 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 |
| KCF9001 | | | | 131 | 60.9 | 11.2 | 0 | 48 | 173 |
| ORCF-103 | | 122 | 125 | 127 | 58.7 | 10.5 | 0 | 43 | 172 |
| AP 700 CL | | 129 | 134 | 125 | 59.5 | 11.3 | 0 | 44 | 167 |
| ID00-475-2DH | | | | 125 | 60.3 | 10.5 | 0 | 43 | 170 |
| ORCF-102 | 136 | 133 | 137 | 124 | 59.9 | 10.7 | 0 | 44 | 168 |
| RJAMES | 117 | 119 | 126 | 124 | 57.2 | 10.4 | 0 | 36 | 170 |
| UICF-BRUNDAGE | | 124 | 127 | 123 | 59.6 | 10.2 | 0 | 41 | 168 |
| LEGION | | 126 | 129 | 123 | 58.1 | 10.7 | 0 | 44 | 169 |
| <i>CHUKAR +25%</i> | | | | 118 | 59.2 | 10.7 | 0 | 42 | 171 |
| SIMON | 119 | 115 | 126 | 117 | 59.0 | 10.9 | 0 | 43 | 169 |
| ELTAN/TUBBS06 | | 117 | 122 | 116 | 59.1 | 10.5 | 0 | 44 | 169 |
| BZ6W02-616 | | | 120 | 116 | 62.4 | 11.0 | 0 | 40 | 163 |
| <i>BRUEHL +25%</i> | | | | 116 | 57.5 | 11.4 | 0 | 42 | 172 |
| BRUNEAU | | 120 | 127 | 115 | 59.8 | 10.8 | 0 | 41 | 170 |
| WA008116 | | | | 115 | 59.9 | 11.1 | 0 | 38 | 173 |
| <i>CHUKAR</i> | 115 | 110 | 125 | 114 | 59.2 | 10.8 | 0 | 42 | 171 |
| <i>BRUEHL</i> | 117 | 119 | 126 | 113 | 57.6 | 11.1 | 0 | 43 | 172 |
| ARS960277L | | 117 | 120 | 113 | 59.6 | 10.6 | 0 | 43 | 170 |
| OR2040726 | | | 129 | 113 | 59.8 | 10.7 | 0 | 39 | 166 |
| ROD | 122 | 116 | 127 | 112 | 58.2 | 10.4 | 0 | 40 | 170 |
| WA008092 | | | 117 | 112 | 58.8 | 11.7 | 0 | 40 | 174 |
| <i>CODA</i> | 111 | 103 | 113 | 111 | 62.0 | 11.5 | 0 | 44 | 170 |
| ARS970170-2L | | | 114 | 111 | 58.5 | 11.0 | 0 | 42 | 172 |
| MADSEN | 112 | 108 | 116 | 110 | 59.4 | 11.6 | 0 | 40 | 172 |
| BRUNDAGE 96 | 114 | 114 | 118 | 110 | 58.2 | 11.0 | 0 | 40 | 166 |
| ELTAN/MADSEN | | 116 | 120 | 110 | 58.3 | 11.5 | 0 | 40 | 172 |
| <i>CARA +25%</i> | | | | 110 | 58.8 | 11.1 | 0 | 41 | 170 |
| ELTAN | 106 | 109 | 116 | 109 | 59.6 | 10.7 | 0 | 41 | 173 |
| <i>CARA</i> | 110 | 109 | 126 | 108 | 58.8 | 11.1 | 0 | 39 | 171 |
| WA008115 | | | | 108 | 60.5 | 10.8 | 0 | 40 | 165 |
| <i>ARS970075-3C</i> | | 108 | 122 | 106 | 59.7 | 11.5 | 0 | 44 | 171 |
| GEORGE | 108 | 111 | 112 | 105 | 58.2 | 11.2 | 0 | 41 | 173 |
| <i>ARS970071-3C</i> | | | 116 | 105 | 60.9 | 12.3 | 0 | 45 | 169 |
| BITTERROOT | 114 | 111 | 119 | 104 | 59.7 | 11.2 | 0 | 43 | 170 |
| MADSEN/ROD | 117 | 116 | 123 | 104 | 57.9 | 11.5 | 0 | 40 | 172 |
| WA008117 | | | | 104 | 58.5 | 11.5 | 0 | 37 | 172 |
| SALUTE | | 116 | 121 | 103 | 58.0 | 11.4 | 0 | 41 | 168 |
| OR2060395 | | | | 102 | 58.2 | 11.1 | 0 | 38 | 167 |
| WB-528 | 118 | 113 | 120 | 101 | 60.9 | 11.1 | 0 | 40 | 165 |
| SKILES | | 111 | 117 | 101 | 59.5 | 12.3 | 0 | 37 | 170 |
| WA008093 | | | 121 | 101 | 57.9 | 11.0 | 0 | 40 | 170 |
| GOETZE/SKILES | | | | 101 | 59.0 | 11.6 | 0 | 38 | 166 |
| AP LEGACY | | 119 | 122 | 100 | 58.1 | 10.4 | 0 | 42 | 169 |
| ROD/TUBBS06 | | 116 | 118 | 100 | 56.1 | 11.2 | 0 | 42 | 169 |
| STEPHENS | 116 | 111 | 120 | 99 | 59.0 | 11.4 | 0 | 39 | 166 |
| <i>ARS970163-4C</i> | | | | 99 | 58.5 | 11.1 | 0 | 39 | 172 |
| MASAMI | 110 | 110 | 113 | 98 | 57.2 | 10.8 | 0 | 39 | 172 |
| XERPHA | 126 | 124 | 121 | 98 | 57.3 | 11.1 | 0 | 41 | 170 |
| DH99-55-2 (Soft Red) | | | | 98 | 58.4 | 10.0 | 0 | 45 | 165 |
| <i>ARS970184-1C</i> | | | | 97 | 57.4 | 11.4 | 0 | 40 | 171 |
| WA008094 | | | 106 | 96 | 58.8 | 11.4 | 0 | 43 | 173 |
| WA008114 | | | | 96 | 60.0 | 10.8 | 0 | 38 | 165 |
| KCF9003 | | | | 96 | 60.3 | 11.6 | 0 | 57 | 166 |
| WA008063 | | 107 | 115 | 93 | 59.3 | 11.4 | 0 | 37 | 165 |

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

| Variety Name <i>*Club Italicized</i> | 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 |
| REA STEPHENS | | | | 93 | 58.8 | 11.7 | 0 | 46 | 166 |
| TUBBS 06 | 113 | 107 | 114 | 92 | 56.2 | 10.5 | 0 | 43 | 169 |
| FINCH | 118 | 114 | 113 | 90 | 58.9 | 11.4 | 0 | 41 | 173 |
| LAMBERT | 120 | 115 | 112 | 86 | 57.1 | 10.8 | 0 | 40 | 167 |
| CDC PTARMIGAN | | | 88 | 73 | 56.0 | 10.4 | 0 | 43 | 169 |
| C.V. % | 9 | 9 | 8 | 8 | 1.4 | 3.7 | -- | 4 | 0 |
| LSD '@ .10' | 6 | 7 | 9 | 12 | 1.1 | 0.6 | -- | 2 | 1 |
| Average | 116 | 115 | 120 | 107 | 58.9 | 11.1 | 0 | 41 | 169 |
| Highest | 136 | 133 | 137 | 131 | 62.4 | 12.3 | 0 | 57 | 174 |
| Lowest | 106 | 103 | 88 | 73 | 56.0 | 10.0 | 0 | 36 | 163 |

Farmington Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Farmington soft white winter wheat trial averaged 107 bushels/acre, 9 bushels/acre lower than the 5-year average for this location. The Farmington nursery was located about three miles south of Farmington, WA (B. Nelson, cooperator).
2. This nursery was seeded on 5 October, 2009 following pea. Seed was placed at an 85#/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base fertilizer was 114#N/acre. Fall seeding was dry but emergence and winter survival were good. There was some stripe rust at this site and we suspect that there was IMI herbicide carryover that influenced performance of non-Clearfield cultivars.
3. Yields ranged from 73 bu/ac to 131 bu/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and 8 of the 60 trial entries are in the top group. ORCF-103 was the highest yielding named variety. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 96% for yield.
4. Test weights averaged 58.9 lb/bu with a range from 56.0 to 62.4 lb/bu.
5. Grain protein averaged 11.1% with a range of 10.0 to 12.3%. Plant height averaged 41 inches with no lodging.