

# FEED AND FOOD BARLEY

| Variety   | 2 or 6 row | Awn Type | Overall Station Years of Testing | Overall Yield | Yield Category (% CDC Copeland) |                    |   | Agronomic Characteristics: |           |             |                       |            | Disease Tolerance: |          |             |          |             |          |
|---|------------|----------|----------------------------------|---------------|---------------------------------|--------------------|---|----------------------------|-----------|-------------|-----------------------|------------|--------------------|----------|-------------|----------|-------------|----------|
|   |            |          |                                  |               | Low < 113 (bu/ac)               | High ≥ 113 (bu/ac) | Maturity Rating (Days +/- CDC Copeland) | Test Weight (lb/bu)        | TKW (g)   | Height (cm) | Resistance to Lodging | Loose Smut | Other Smuts        | Scald    | Net Blotch: |          |             |          |
|   |            |          |                                  |               |                                 |                    |   |                            |           |             |                       |            |                    |          | Spot form   | Net form | Spot Blotch | FHB      |
| <b>GENERAL PURPOSE</b>  |            |          |                                  |               |                                 |                    |   |                            |           |             |                       |            |                    |          |             |          |             |          |
| Varieties tested in the 2021 trials (Yield and agronomic data only directly comparable to CDC Copeland) |            |          |                                  |               |                                 |                    |   |                            |           |             |                       |            |                    |          |             |          |             |          |
| <b>CDC Copeland (bu/ac)</b>   |            |          |                                  | <b>108</b>    | <b>84</b>                       | <b>136</b>         |   |                            |           |             |                       |            |                    |          |             |          |             |          |
| <b>CDC Copeland</b>   | <b>2</b>   | <b>R</b> | <b>147</b>                       | <b>100</b>    | <b>100</b>                      | <b>100</b>         | <b>98</b>                               | <b>51</b>                  | <b>50</b> | <b>84</b>   | <b>F</b>              | <b>MS</b>  | <b>I</b>           | <b>S</b> | <b>I</b>    | <b>I</b> | <b>S</b>    | <b>I</b> |
| AB Advantage ☺  | 6          | S        | 32                               | 108           | 104                             | 110                | 1                                       | 50                         | 50        | 95          | G                     | MR         | I                  | I        | I           | MS       | I           | S        |
| AB Cattlelac ☺  | 6          | SS       | 29                               | 103           | 100                             | 104                | -1                                      | 50                         | 45        | 89          | G                     | I          | R                  | I        | MR          | MS       | MR          | S        |
| AB Hague ☺*   | 2          | R        | 15                               | 110           | 110                             | 109                | 1                                       | 52                         | 47        | 83          | G                     | MR         | R                  | I        | I           | I        | I           | MR       |
| AB Tofield ☺  | 6          | S        | 24                               | 108           | 106                             | 109                | 1                                       | 50                         | 45        | 82          | G                     | XX         | MR                 | I        | I           | MS       | I           | S        |
| AB Wrangler ☺   | 2          | R        | 24                               | 106           | 108                             | 104                | 0                                       | 52                         | 50        | 79          | F                     | MS         | MR                 | MS       | I           | I        | MR          | MR       |
| CDC Austenson   | 2          | R        | 52                               | 108           | 107                             | 109                | 2                                       | 53                         | 51        | 79          | G                     | S          | R                  | S        | R           | MS       | MR          | I        |
| CDC Renegade ☺*   | 2          | S        | 15                               | 108           | 116                             | 101                | 0                                       | 50                         | 52        | 89          | F                     | I          | MR                 | S        | MR          | I        | MS          | MR       |
| Esma ☺* <b>VUA</b>  | 2          | R        | 15                               | 116           | 119                             | 114                | 1                                       | 51                         | 51        | 68          | VG                    | NT         | NT                 | NT       | NT          | NT       | NT          | NT       |
| KWS Coralie ☺* <b>VUA</b>   | 2          | R        | 15                               | 115           | 120                             | 111                | 2                                       | 48                         | 51        | 68          | G                     | NT         | NT                 | NT       | NT          | NT       | NT          | NT       |
| KWS Kellie ☺* <b>VUA</b>  | 2          | R        | 15                               | 120           | 126                             | 114                | 2                                       | 50                         | 52        | 66          | VG                    | NT         | NT                 | NT       | NT          | NT       | NT          | NT       |
| Previously tested varieties comparable to CDC Copeland  |            |          |                                  |               |                                 |                    |   |                            |           |             |                       |            |                    |          |             |          |             |          |
| <b>CDC Copeland</b>   | <b>2</b>   | <b>R</b> |                                  | <b>100</b>    | <b>100</b>                      | <b>100</b>         | <b>98</b>                               | <b>51</b>                  | <b>50</b> | <b>84</b>   | <b>F</b>              | <b>MS</b>  | <b>I</b>           | <b>S</b> | <b>I</b>    | <b>I</b> | <b>S</b>    | <b>I</b> |
| Altorado ☺  | 2          | R        | 60                               | 110           | 109                             | 110                | 0                                       | 52                         | 49        | 77          | G                     | MR         | MR                 | S        | I           | S        | S           | I        |
| Brahma ☺  | 2          | R        | 67                               | 109           | 108                             | 110                | 0                                       | 53                         | 47        | 74          | G                     | MS         | R                  | S        | I           | I        | S           | I        |
| Canmore ☺   | 2          | R        | 33                               | 103           | 101                             | 105                | 0                                       | 52                         | 49        | 73          | G                     | R          | R                  | MR       | MR          | MS       | I           | I        |
| CDC Coalition ☺   | 2          | R        | 42                               | 105           | 104                             | 106                | 1                                       | 53                         | 47        | 74          | G                     | R          | MR                 | S        | MR          | S        | I           | I        |
| CDC Cowboy ☺  | 2          | R        | 61                               | 92            | 93                              | 92                 | 1                                       | 52                         | 55        | 103         | F                     | MS         | MR                 | MS       | MR          | I        | I           | MR       |
| CDC Maverick ☺  | 2          | S        | 31                               | 92            | 88                              | 96                 | 1                                       | 54                         | 55        | 98          | F                     | S          | R                  | MS       | MR          | I        | I           | MR       |
| CDC Trey †  | 2          | R        | 88                               | 101           | 100                             | 102                | -1                                      | 52                         | 50        | 80          | G                     | MS         | R                  | MS       | R           | I        | I           | I        |
| Claymore ☺  | 2          | R        | 72                               | 111           | 108                             | 112                | 1                                       | 52                         | 47        | 80          | G                     | S          | R                  | S        | I           | S        | MS          | MR       |
| Conlon ☺  | 2          | S        | 53                               | 91            | 89                              | 93                 | -4                                      | 52                         | 52        | 80          | G                     | I          | I                  | S        | MR          | I        | S           | MR       |
| Gadsby ☺  | 2          | R        | 34                               | 109           | 110                             | 108                | 0                                       | 53                         | 51        | 83          | F                     | R          | R                  | R        | MR          | MS       | S           | I        |
| Oreana ☺  | 2          | R        | 72                               | 108           | 105                             | 109                | 2                                       | 53                         | 51        | 67          | VG                    | S          | R                  | S        | MR          | S        | I           | S        |
| Sirish ☺  | 2          | R        | 48                               | 111           | 111                             | 111                | 1                                       | 52                         | 49        | 70          | VG                    | S          | R                  | MR       | MS          | MS       | MS          | MS       |
| AC Ranger †   | 6          | S        | 48                               | 104           | XX                              | XX                 | 1                                       | 49                         | 43        | 74          | F                     | MS         | I                  | MS       | MR          | I        | MR          | S        |
| Amisk ☺   | 6          | SS       | 32                               | 103           | 101                             | 105                | 0                                       | 49                         | 46        | 69          | VG                    | S          | MS                 | I        | MR          | I        | MR          | S        |
| Sundre †☺   | 6          | S        | 51                               | 109           | 106                             | 113                | 1                                       | 51                         | 43        | 86          | G                     | MS         | R                  | R        | I           | S        | I           | S        |

**Remarks:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. In 2021 the check cultivar was changed to CDC Copeland. All previously tested varieties were adjusted relative to CDC Copeland based on the relative difference between AC Metcalfe and CDC Copeland since 1999. Varieties rated Intermediate (I) to Susceptible (S) for smuts should be treated with a systemic seed treatment to reduce the potential for infection. New registrations and insufficient data to describe: AB Prime, RGT Planet, TR17255, TR19175, TR19758. ☺ = Protected by PBR (UPOV 78), ☺ = Protected by PBR (UPOV 91) and ☺\* = pending PBR protection, **VUA** = Variety Use Agreement applied (<http://seeds-canada.ca/variety-use-agreement/>). XX - Insufficient data to describe. NT - Not tested for disease, until a full rating is generated assume that the variety is very susceptible to the disease. † Flagged for possible removal in 2023.