



# Printing information and terms of use for posters of grade determination tables

## Printing information

- Poster size: 61 x 91 cm (24 x 36 in)
- Maintain aspect ratio when scaling
- Heavy stock is recommended
- Consider lamination
- Source: [Official Grain Grading Guide](#) on [grainscanada.gc.ca](http://grainscanada.gc.ca)

## Terms of use for posters of grade determination tables

- A new grade determination table should be printed at the beginning of the crop year
- The previous crop year's table should be discarded
- A grade determination table published on the Canadian Grain Commission website is the authoritative version
- The Canadian Grain Commission may make changes to a grade determination table during a crop year and the printed version may not reflect current information
- Any change to a grade determination table will be communicated through a [Canadian Grain Commission trade memorandum](#)
- Users of printed grade determination tables should check the Canadian Grain Commission website on a regular basis to ensure they are working with a current version of the table
- If a change has been made to a grade determination table during the crop year, a new table should be printed and the previous version discarded

Primary grade determination tables

Wheat, Canada Western Red Spring (CWRS)

| Grading factor                                                          | No. 1 CWRS                                                                  | No. 2 CWRS                                                                                                      | No. 3 CWRS                                                                                       | CW Feed                                                                                               | Grade, if specs for CW Feed not met                                                                                                             |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard of quality                                                     |                                                                             |                                                                                                                 |                                                                                                  |                                                                                                       |                                                                                                                                                 |
| Degree of soundness *                                                   | Reasonably well matured, reasonably free from damaged kernels               | Fairly well matured, may be moderately bleached or frost-damaged, reasonably free from severely damaged kernels | May be frost-damaged, immature or weather-damaged, moderately free from severely damaged kernels | Reasonably sweet, excluded from other grades of wheat on account of damaged kernels                   |                                                                                                                                                 |
| Minimum test weight kg/hL (g/0.5 L)                                     | 75 (365)                                                                    | 72 (350)                                                                                                        | 69 (335)                                                                                         | 65 (315)                                                                                              | Wheat, Sample CW Account Light Weight                                                                                                           |
| Minimum hard vitreous kernels %                                         | 65                                                                          | No minimum                                                                                                      | No minimum                                                                                       | No minimum                                                                                            |                                                                                                                                                 |
| Minimum protein %                                                       | 10.0                                                                        | No minimum                                                                                                      | No minimum                                                                                       | No minimum                                                                                            |                                                                                                                                                 |
| Variety                                                                 | Any variety of the class CWRS designated as such by order of the Commission | Any variety of the class CWRS designated as such by order of the Commission                                     | Any variety of the class CWRS designated as such by order of the Commission                      | Any class or variety of wheat excluding amber durum and CWSP                                          |                                                                                                                                                 |
| Foreign material                                                        |                                                                             |                                                                                                                 |                                                                                                  |                                                                                                       |                                                                                                                                                 |
| Ergot %                                                                 | 0.04                                                                        | 0.04                                                                                                            | 0.04                                                                                             | 0.10                                                                                                  | Wheat, Sample CW Account Ergot                                                                                                                  |
| Excreta %                                                               | 0.01                                                                        | 0.01                                                                                                            | 0.01                                                                                             | 0.03                                                                                                  | Wheat, Sample CW Account Excreta                                                                                                                |
| Matter other than cereal grains %                                       | 0.2                                                                         | 0.3                                                                                                             | 0.5                                                                                              | 1.0                                                                                                   | Wheat, Sample CW Account Admixture                                                                                                              |
| Sclerotinia %                                                           | 0.04                                                                        | 0.04                                                                                                            | 0.04                                                                                             | 0.10                                                                                                  | Wheat, Sample CW Account Admixture                                                                                                              |
| Stones %                                                                | 0.03                                                                        | 0.03                                                                                                            | 0.06                                                                                             | 0.10                                                                                                  | 2.5% or less - Wheat, Rejected (grade) Account Stones Over 2.5% - Wheat, Sample Salvage                                                         |
| Total % Foreign material                                                | 0.6                                                                         | 1.2                                                                                                             | 2.4                                                                                              | 10.0                                                                                                  | See Mixed grain                                                                                                                                 |
| Grading factors                                                         |                                                                             |                                                                                                                 |                                                                                                  |                                                                                                       |                                                                                                                                                 |
| Artificial stain, no residue %                                          | 0.0                                                                         | 0.1                                                                                                             | 0.1                                                                                              | 2.0                                                                                                   | Wheat, Sample CW Account Stained Kernels                                                                                                        |
| Binburnt, severely mildewed, rotted, mouldy %                           | 0.01                                                                        | 0.02                                                                                                            | 0.03                                                                                             | 2.50                                                                                                  | Wheat, Sample CW Account Heated                                                                                                                 |
| Total % Heated, binburnt, severely mildewed, rotted, mouldy             | 0.1                                                                         | 0.4                                                                                                             | 1.0                                                                                              | 2.5                                                                                                   | Wheat, Sample CW Account Heated                                                                                                                 |
| Contrasting classes %                                                   | 0.8                                                                         | 2.3                                                                                                             | 3.8                                                                                              | 10%, either alone or in combination with each other, of amber durum and any variety of the class CWSP | Over 10%, either alone or in combination with each other, of amber durum and any variety of the class CWSP - Wheat, Sample CW Account Admixture |
| Total % Wheats of other classes or varieties and contrasting classes ** | 2.3                                                                         | 4.5                                                                                                             | 7.5                                                                                              | 10%, either alone or in combination with each other, of amber durum and any variety of the class CWSP | Over 10%, either alone or in combination with each other, of amber durum and any variety of the class CWSP - Wheat, Sample CW Account Admixture |
| Dark immature %                                                         | 1                                                                           | 3                                                                                                               | 10                                                                                               | No limit                                                                                              |                                                                                                                                                 |
| Degermed %                                                              | 4                                                                           | 7                                                                                                               | 13                                                                                               | No limit                                                                                              |                                                                                                                                                 |
| Fireburnt %                                                             | 0.0                                                                         | 0.0                                                                                                             | 0.0                                                                                              | 2.0                                                                                                   | Wheat, Sample CW Account Fireburnt                                                                                                              |
| Fusarium damage %                                                       | 0.3                                                                         | 0.8                                                                                                             | 1.5                                                                                              | 4.0                                                                                                   | Wheat, Sample CW Account Fusarium Damage Over 10%-Wheat, Commercial Salvage                                                                     |
| Grass green %                                                           | 0.8                                                                         | 2.0                                                                                                             | 10.0                                                                                             | No limit                                                                                              |                                                                                                                                                 |
| Insect damage %                                                         | 1                                                                           | 3                                                                                                               | 6                                                                                                | No limit                                                                                              |                                                                                                                                                 |
| Natural stain %                                                         | 1                                                                           | 2                                                                                                               | 5                                                                                                | No limit                                                                                              |                                                                                                                                                 |
| Pink %                                                                  | 2                                                                           | 5                                                                                                               | 10                                                                                               | No limit                                                                                              |                                                                                                                                                 |
| Sawfly, midge %                                                         | 2                                                                           | 5                                                                                                               | 10                                                                                               | No limit                                                                                              |                                                                                                                                                 |
| Shrunken %                                                              | 4                                                                           | 4                                                                                                               | 4                                                                                                | No limit                                                                                              |                                                                                                                                                 |
| Broken %                                                                | 5                                                                           | 6                                                                                                               | 7                                                                                                | 13                                                                                                    | Sample Broken Grain                                                                                                                             |
| Total % Shrunken and broken                                             | 7                                                                           | 8                                                                                                               | 9                                                                                                | No limit within broken tolerances                                                                     |                                                                                                                                                 |
| Smudge %                                                                | 0.3                                                                         | 1.0                                                                                                             | 5.0                                                                                              | No limit                                                                                              |                                                                                                                                                 |
| Total % Smudge and blackpoint                                           | 10                                                                          | 20                                                                                                              | 35                                                                                               | No limit                                                                                              |                                                                                                                                                 |
| Severely sprouted %                                                     | 0.1                                                                         | 0.2                                                                                                             | 0.3                                                                                              | No limit                                                                                              |                                                                                                                                                 |
| Total % Sprouted                                                        | 0.5                                                                         | 1.0                                                                                                             | 3.0                                                                                              | No limit                                                                                              |                                                                                                                                                 |

Note: Samples of CWRS will be graded no lower than No. 3 CWRS on account of mildew.

\*See Frost (FR) and Mildew (MIL) for applicable standard.

\*\*See working tolerance for “Wheats of Other Classes or Varieties (WOWC)”