

# Canada Western Red Winter (CWRW) wheat

More and more farmers are including winter cereals, such as CWRW wheat, into their crop rotation plans.

New varieties of CWRW wheat that offer improved winter hardiness and higher yields, along with the added benefits of reduced input costs and soil, water and wildlife habitat conservation, are all leading to increasing acreage on the prairies. The CWB product development direction for CWRW wheat is to shift the quality profile to provide milling customers with higher-quality products. Better-quality varieties will be segregated for market evaluation.

## CWRW CHARACTERISTICS

- Provide low-to-medium protein.
- Medium-strength gluten and hard kernel characteristics.

## CWRW SELECT

Before being considered for registration, all new CWRW Select varieties must meet or exceed established quality, agronomic and disease-resistance characteristics. They are rated in comparison to established objectives and proven check varieties. This assures that all varieties registered in this class will conform to a tight quality profile and will provide very consistent performance characteristics from shipment-to-shipment and from year-to-year.

CWRW Select varieties are popular for their milling yield, dough strength and flour colour properties. The CWB has developed an Identity Preserved Contract Program (IPCP) for Select varieties to encourage production and segregate these from conventional CWRW varieties. Although production of Select varieties is currently small, it is expected to continue to increase over the next few years.

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## CANADA WESTERN RED WINTER (CWRW) WHEAT

### Export grade specifications\*

|   | No. 1 CWRW                                   | No. 2 CWRW                                   |
|---|--|--|
| <b>Minimum test weight, kg/hL</b>                           | 78.0   | 74.0   |
| <b>Total foreign material including other cereal grains</b> | (Max.) 1.0% including 0.2% other seeds       | (Max.) 2.0% including 0.2% other seeds       |
| <b>Wheats of other classes or varieties</b>                 | (Max.) 3% including 1.0% contrasting classes | (Max.) 6% including 2.5% contrasting classes |
| <b>Fusarium damage, %</b>                                   | 2.0  | 2.0  |
| <b>Heated, %</b>  | 0.05   | 0.1  |
| <b>Shrunken and broken</b>                                  |  |  |
| Shrunken, %   | 3  | 3  |
| Broken, %   | 5  | 7  |
| <b>Total, %</b>   | <b>7</b>                                     | <b>9</b>                                     |
| <b>Smudge and blackpoint</b>                                |  |  |
| Smudge, %   | 30 K   | 3  |
| <b>Total, %</b>   | <b>10</b>                                    | <b>35</b>                                    |
| <b>Sprouted</b>   |  |  |
| Severely sprouted, %  | 0.10   | 0.30   |
| <b>Total, %</b>   | <b>0.5</b>                                   | <b>2.5</b>                                   |

\* abridged from the Canadian Grain Commission's Official Grain Grading Guide  
 For complete official grain standards, see <http://www.grainscanada.gc.ca/Pubs/GGG/ggg-e.htm>  
 K = Number of kernel-sized pieces in 500 g.