## Emperor

**Soft Red Winter Wheat**

### Description
- Soft red winter wheat with consistent yields

### Strengths
- Good fusarium tolerance
- Good tolerance to leaf diseases
- Very good lodging resistance
- Excellent milling quality
- Smaller seed size makes for efficient seeding costs

### Management
- Average heading date

### Ontario Winter Wheat Performance Trial - Cumulative Yield Indices\(^1\) Intensive Trials\(^4\) Summary, OCCC, August 2016

<table>
<thead>
<tr>
<th>Variety</th>
<th>Class</th>
<th>Variety</th>
<th>Awned</th>
<th>2016 Index Fungicides</th>
<th>5-Year Index Fungicides</th>
<th>4-Year Index Fungicides</th>
<th>3-Year Index Fungicides</th>
<th>2-Year Index Fungicides</th>
<th>No</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emperor</td>
<td>Soft</td>
<td>Emperor</td>
<td>965</td>
<td>104</td>
<td>95</td>
<td>104</td>
<td>92</td>
<td>102</td>
<td>88</td>
<td>103</td>
</tr>
</tbody>
</table>

**Notes:**
1. Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Hentitability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.
2. See map of areas at www.cereals.ca/variety_trials.php.
3. Cultivar yield rankings may vary from year to year. Decisions therefore best made using data with the greatest number of years.
4. Fungicide treatments included a 1T application of foliar fungicide at Zadoks Growth Stage 30 to 31, followed by a T3 application of fusarium fungicide during flowering.

### Ontario Winter Wheat Performance Trials; Varietal Characteristics, OCCC, August 2016

<table>
<thead>
<tr>
<th>Variety</th>
<th>Fusarium Data</th>
<th>Test Weight</th>
<th>Protein</th>
<th>1000 Kernel Weight</th>
<th>Lodging</th>
<th>Heading Date(^5)</th>
<th>Powdery Mildew (^2)</th>
<th>Leaf Septoria (^2)</th>
<th>Stripe Rust (^2)</th>
<th>Eyespot (^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emperor</td>
<td>MS MR</td>
<td>78.1</td>
<td>10.6</td>
<td>35.6</td>
<td>98</td>
<td>2.6</td>
<td>5.0</td>
<td>2.0</td>
<td>4.8</td>
<td>3.3</td>
</tr>
<tr>
<td>Emperor</td>
<td>MS MR</td>
<td>74.9</td>
<td>12.1</td>
<td>32.7</td>
<td>76</td>
<td>80</td>
<td>157</td>
<td>3.7</td>
<td>3.7</td>
<td>XX</td>
</tr>
</tbody>
</table>

**Notes:**
1. Combined Fusarium Ratings are based on BOTH Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials. DON Ratings are based only on DON levels from inoculated provincial trials.
2. For ratings 0-9, a high score is undesirable.
3. Heading may vary year to year and should only be used to indicate relative differences.

For more information, call 1-866-797-7874 or visit [www.secan.com](http://www.secan.com)

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