TECUMSEH WHEAT

A new soft, white wheat for Michigan
—short straw
and winter hardy

Michigan State University
Cooperative Extension Service
MICHIGAN WHEAT GROWERS can expect top yields from Tecumseh, the newest soft, white wheat variety developed by the Michigan Agricultural Experiment Station. It is the first high-yielding soft white, winter wheat variety adapted to Michigan, which associates short plant height, lodging resistance and high test weight.

It combines the following characteristics into a single variety:
- high yields
- improved winter hardiness
- rust resistance
- mildew resistance
- Hessian fly resistance
- high milling quality

Tecumseh was named for Tecumseh, Michigan, the site of one of the first frontier grist mills (1835) in the Michigan Territory.

**High Yield and Winterhardy**

In 30 test nurseries from 1969-74, Tecumseh outyielded Genesee by 10% and in 17 nurseries from 1971-73, it outyielded Genesee by 15%. In 1972, when severe winter damage occurred in Michigan, it survived much better than other varieties and outyielded Genesee and Yorkstar by 40 and 49% respectively.

**Disease and Insect Resistance**

Tecumseh has excellent field resistance to most of the races of leaf rust and powdery mildew currently prevalent in Michigan. It has superior resistance to the soil-borne wheat spindle streak mosaic virus very prevalent in Michigan and neighboring states. It is also resistant to Races A and C of Hessian fly, the most prevalent in Michigan. Tecumseh has Arthur parentage in its pedigree; like Arthur, it has some natural resistance to loose smut.

**Quality**

Tecumseh is approximately 1% higher in protein than Ionia and Genesee, but has dough viscosity levels between those of the other soft, white wheat varieties and the soft, red varieties. Flour from Tecumseh has high pastry quality and makes excellent cookies.

**Agronomic Description**

Unlike other soft, white varieties grown in Michigan, Tecumseh is a white-chaffed wheat. It has moderately stiff, short straw which provides good lodging resistance. It is about 4 to 5 inches shorter than Yorkstar and 9 to 10 inches shorter than Genesee and Ionia. It is a high-tillering variety with shorter heads than Yorkstar but considerably higher kernel and test weight.

**Comparison of Tecumseh with other Soft, White Winter Wheats.**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Race &quot;A&quot; Hessian Fly resistance</th>
<th>Test* Weight</th>
<th>Height (Inches)</th>
<th>Yield* (Bu/A)</th>
<th>Yield in* % of Genesee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tecumseh</td>
<td>Resistant**</td>
<td>61.0</td>
<td>36</td>
<td>55.4</td>
<td>110</td>
</tr>
<tr>
<td>Genesee</td>
<td>Susceptible</td>
<td>58.7</td>
<td>43</td>
<td>50.3</td>
<td>100</td>
</tr>
<tr>
<td>Ionia</td>
<td>Resistant</td>
<td>58.7</td>
<td>43</td>
<td>51.9</td>
<td>103</td>
</tr>
<tr>
<td>Arthur</td>
<td>Resistant</td>
<td>60.7</td>
<td>35</td>
<td>54.2</td>
<td>108</td>
</tr>
<tr>
<td>Yorkstar</td>
<td>Susceptible</td>
<td>56.7</td>
<td>38</td>
<td>55.2</td>
<td>110</td>
</tr>
</tbody>
</table>

*Mean of 30 nurseries in 5 years.

**Also resistant to Race C, Hessian fly.**
This Tag Is Your Assurance
Of Michigan Certified Seed

It Represents
- Progeny of FOUNDATION SEED
- A variety adapted to Michigan
- Field Inspected and Laboratory Tested for Quality

It Assures You
- High Germination
- Varietal Purity
- Uniform Quality
- Freedom From Seed-borne Diseases and Weed Seeds

For Further Information Contact
Michigan Crop Improvement Association
P. O. Box 1008
East Lansing, Michigan 48823
or Your County Extension Office

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