The Armstrong Farm suffered from drought, and none of the vines reached the top wire.
2,4-D Injury: Vines at the Horticulture Farm were exposed to drift in late August 2002. The injury was rated on a scale of 1 (no apparent injury) to 5 (very severe injury).

None

Moderate

Slight

Very Severe
# 2,4-D Injury Rating*

*Means followed by the same letter are not significantly different.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Rating Scale</th>
<th>Rating Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cynthiana</strong></td>
<td>4.5 a</td>
<td>3.5 bc</td>
</tr>
<tr>
<td><strong>Vanessa</strong></td>
<td>4.2 a</td>
<td>3.4 bc</td>
</tr>
<tr>
<td><strong>Traminette</strong></td>
<td>3.9 ab</td>
<td>3.1 c</td>
</tr>
<tr>
<td><strong>Reliance</strong></td>
<td>3.9 ab</td>
<td>2.3 d</td>
</tr>
<tr>
<td><strong>Mars</strong></td>
<td>3.6 bc</td>
<td>1.6 e</td>
</tr>
<tr>
<td><strong>Marquis</strong></td>
<td>4.5 a</td>
<td>3.5 bc</td>
</tr>
<tr>
<td><strong>Edelweiss</strong></td>
<td>4.2 a</td>
<td>3.4 bc</td>
</tr>
<tr>
<td><strong>Foch</strong></td>
<td>3.9 ab</td>
<td>3.1 c</td>
</tr>
<tr>
<td><strong>St. Croix</strong></td>
<td>3.9 ab</td>
<td>2.3 d</td>
</tr>
<tr>
<td><strong>Vignole</strong></td>
<td>3.6 bc</td>
<td>1.6 e</td>
</tr>
<tr>
<td><strong>Chambourcin</strong></td>
<td>4.5 a</td>
<td>3.5 bc</td>
</tr>
<tr>
<td><strong>La Crosse</strong></td>
<td>4.2 a</td>
<td>3.4 bc</td>
</tr>
<tr>
<td><strong>Frontenac</strong></td>
<td>3.9 ab</td>
<td>3.1 c</td>
</tr>
<tr>
<td><strong>Seyval</strong></td>
<td>3.6 bc</td>
<td>2.3 d</td>
</tr>
</tbody>
</table>

* Means followed by the same letter are not significantly different.

**Rating Scale:**
1 = no apparent injury; 2 = slight symptoms of abnormal venation; 3 = moderate; 4 = severe; 5 = very severe.
The vines were pruned to live tissue that was 5/16 inch in diameter and the weight of the prunings recorded. A considerable amount of cane die-back was noted during pruning. After bud-break, the height of highest emerging bud was recorded.
2003 Pruning Weights

Pounds

Foch
Frontenac
Cynthiana
St. Croix
Chambourcin
Seyval
La Crosse
Vignole
Traminette
Edelweiss
Marquis
Vanessa
Reliance
Mars

Armstrong
Ames
ISU Horticulture Farm
August 2003
ISU Armstrong R&D Farm
September, 2003
2003 Wine Grape Cultivar Trial

Supported by an IDALS Specialty Crops Grant awarded to the Iowa Grape Growers Association and contracted to the ISU Horticulture Dept.

“Adaptability of New Wine Grape Cultivars to Iowa”
2003 Wine Grape Cultivar Trial

Planting Sites

ISU Armstrong R & D Farm
-15° to -20°

ISU Horticulture Farm
-20° to -25°

ISU Northeast R & D Farm

ISU Southeast R & D Farm
-10° to -15°