Product:
GS-4 is the only GA3 product registered in Canada for use on Wine Grapes.

Introduction:
Applying GA3 on Wine Grapes early in the season to make the rachis longer. In doing so they elongate the clusters, improve airflow and light penetration to help avoid diseases and problems associated with tightly bunched clusters such as botrytis, bunch rot, mildew. Riesling and Sauvignon Blanc wines when GA3 is applied at full bloom have been regarded as being fresher, less oxidized, having more varietal character and showing less UTA and more clarity.

Research:
Testing was done in 2004 in Hungary on Riesling and Sauvignon Blanc grapes as to the influence of grapevine flower treatment with GA3 on AAP and Sensory properties of white wine. Research was done at Pennsylvania State University on the use of GA3 for management of Bunch Rot. Research has been conducted by OMFRA in Ontario.

Results:
Results on the 2004 test were that the GA3 treated wines were regarded as being fresher, less oxidized, having more varietal character and showing less UTA and more clarity. Results from the Bunch Rot tests supported the use of GA3 provided the rates did not exceed 25 ppm.

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<tr>
<th>Application Rate*</th>
<th>Timing</th>
<th>Effect</th>
<th>Comments</th>
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<tr>
<td>-Apply 2.0-20 ppm (5.0-mL/100L) foliar spray at 50-80% capfall. *Always follow label recommendations, do not exceed the recommended rate. Overuse may produce diminished results. Note: -Foliar spray to runoff -It is important that adequate plant nutrients are applied.</td>
<td>-GA3 must be applied at the proper time and concentrations. -Best timing for cluster elongation is at 50-80% capfall. -Applications are varietal specific. Apply GA3 only with the assistance of a control supervisor.</td>
<td>At low concentrations, (depending on varietal) GA3 induces cluster elongation and minimizes bunch rot in wine grapes.</td>
<td>GROSPURT must be applied at the proper time and in the proper concentration to avoid undesirable side effects related to fruit yield and return bloom. Do not apply too late and do not exceed stated rates of application.</td>
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*All studies are available upon request for your review  
*Certified Organic by OMRI (NOP)