

## Resistance management recommendations and proposals for fungicides not included in current working groups as requested by manufacturers

<b>COMPOUND</b>	Ametoctradin
<b>GROUP NAME</b>	QoSI (quinone outside Inhibitor, stigmatellin binding type)
<b>FRAC MoA CODE</b>	45
<b>TARGET SITE AND CODE</b>	C8: inhibition of Complex III
<b>Uses</b>	Control of oomycetes in various crops
<b>Resistance Status</b>	<p><i>Plasmopara viticola</i>: single cases of target site and non-target site resistance reported.</p> <p><i>Phytophthora infestans</i>, <i>Pseudoperonospora</i> sp., <i>Peronospora</i> sp., <i>Bremia lactucae</i>: no resistance cases reported.</p>
<b>Resistance Mechanism</b>	<p>For <i>Plasmopara viticola</i> only:</p> <ul style="list-style-type: none"> <li>• Target-site mutation in cytochrome b (S34L).</li> <li>• Non-target site resistance via alternative oxidase overexpression.</li> </ul>
<b>Recommendations</b>	<p>Resistance management strategies might differ in regions or countries because of different disease pressure and national guidelines.</p> <p><b>Recommendations for grapes:</b></p> <p>Apply ametoctradin containing products in a preventative manner.</p> <p>Apply a maximum of 3 applications per season for control of grape downy mildew control.</p> <p>Use always in mixture (ready-mix or tank-mix) with an effective downy mildew partner.</p> <p>In order to reduce selection pressure, use in alternation with a non cross-resistant product is recommended.</p> <p><b>Recommendation for potatoes and vegetables:</b></p> <p>Apply ametoctradin containing products in a preventative manner.</p> <p>Always follow product specific recommendations for resistance management.</p>
<b>Requested by / date</b>	BASF SE / June 2021
<b>FRAC SC approval / date</b>	06 July 2021