

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

<b>Compound</b>	Metrafenone, pyriophenone
<b>GROUP NAME</b>	Aryl-phenyl-ketones
<b>FRAC MoA Code</b>	50
<b>TARGET SITE AND CODE</b>	B6: Actin/myosin/fimbrin function
<b>Uses</b>	Control of powdery mildew in various crops and eyespot in cereals
<b>Resistance Status</b>	Less sensitive isolates detected in powdery mildews with variable impact on field performance depending on crop and resistance type
<b>Resistance Mechanism</b>	Unknown
<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 cereals</b></p> <p>Apply aryl-phenyl-ketones containing products in a preventative manner.</p> <p>Apply a maximum of 2 application per season for control of powdery mildew and 1 for eyespot control, preferably in mixture (ready-mix or tank-mix) with other modes of action. In total, apply a maximum of 2 applications per season.</p> <p>Always follow product specific label recommendations for resistance management.</p> <p>Do not reduce the recommended application rate.</p> <p><b>Recommendation for grapes:</b></p> <p>Apply aryl-phenyl-ketones containing products in a preventative manner.</p> <p>Apply a maximum of 3 applications per season for control of grape powdery mildew.</p> <p>In order to reduce selection pressure, use in alternation with a non cross-resistant product is recommended.</p>

	<b>Recommendation for vegetables:</b> Apply containing products in a preventative manner. Apply aryl-phenyl-ketones in a maximum of 2 applications per season for control of powdery mildews.
<b>Requested by / date</b>	BASF SE, Ishihara Sangyo Kaisha, LTD. / June 2021
<b>FRAC SC approval / date</b>	06 July 2021