

Resistance status and resistance management recommendations for fungicides not covered in current FRAC working groups or expert fora

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| COMPOUND(S) (ISO COMMON NAME) | Fluopicolide |
| FRAC GROUP | Group 43 |
| GROUP NAME | Pyridinylmethyl-benzamides |
| MODE OF ACTION GROUP | B: Cytoskeleton and motor proteins |
| TARGET SITE AND CODE | B5: Delocalisation of spectrin-like proteins |
| Uses | Oomycetes control in potatoes, grapevines, fruiting vegetables, leafy vegetables etc. |
| Resistance Status | <p>Europe: Resistance in <i>Plasmopara viticola</i> reported in different geographies. No resistance reported in <i>Phytophthora infestans</i> and other downy mildews.</p> <p>USA: Resistance reported in <i>Pseudoperonospora cubensis</i>.</p> <p>Medium risk</p> |
| Resistance Mechanism | Unknown |
| <p>Recommendations</p> <p><i>Resistance management strategies might differ in regions or countries because of different disease pressure or national guidelines/regulation.</i></p> | <ul style="list-style-type: none"> • Apply fluopicolide preventively or as early as possible in the disease cycle • Apply fluopicolide always in mixtures with other fungicides • The mixture partner: <ul style="list-style-type: none"> ○ should provide satisfactory disease control when used alone on the target disease ○ must have a different mode of action • Apply fluopicolide according to manufacturer's recommendations for the target disease (or complex) at the specific crop growth stage indicated <p>Potatoes:</p> <ul style="list-style-type: none"> • Apply a maximum of 4 fluopicolide containing sprays, but not more than ½ (50%) of the total number of fungicide application per season; do not use more than 2 consecutive applications |

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| | <p>Fruiting vegetables, leafy vegetables, etc.:</p> <ul style="list-style-type: none"> • Apply a maximum of 3 fluopicolide containing sprays, but not more than ½ (50%) of the total number of fungicide application per season; do not use more than 2 consecutive applications <p>Grapes:</p> <ul style="list-style-type: none"> • Apply a maximum of 2 fluopicolide containing sprays and preferably in alternation with other, non-cross-resistant fungicides <p>Limiting the number of sprays is an important factor in delaying the build-up of resistant pathogen populations</p> |
| <p>Requested by / date Last revision</p> | <p>Andreas Mehl, Jürgen Derpmann (Bayer AG) / 15th of September 2022</p> |
| <p>FRAC SC approval / date</p> | <p>16th of September 2022</p> |