

Zorvec™ Vinabel™ - a revolution in the control of downy mildew in vineyards

Author(s): Corteva Agriscience™

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How long has it been since you last heard the words – A new fungicide against downy mildew in vineyards, with combined fully systemic, locally systemic, translaminar, contact, curative and protective action. For decades, Bulgarian vine growers have been fighting vine downy mildew with plant protection products that do not provide a new approach for reliable disease control.

Well, that time has now come and on the market you can find **Zorvec™ Vinabel™**. It contains the newest active substance **Zorvec™ (oxathiapiprolin)**, which is the first of its kind from a new class of fungicides with an unparalleled effect against downy mildews caused by fungal pathogens of the class Oomycetes. **Zorvec™ Vinabel™** is a fungicidal combination with combined systemic, locally systemic, translaminar, contact, curative

and protective action, providing secure, reliable and long-lasting control of vine downy mildew even under the highest infection pressure. **Zorvec™ Vinabel™** acts in several phases of the pathogen's life cycle and in this way is more effective than other products, both in combating downy mildew and in the duration of protection.

Zorvec™ Vinabel™ provides exceptional protection of the leaf mass and new growth for better development and health status of the vineyards, which leads to more profitable production. **Zorvec™ Vinabel™** eliminates the development of the disease, which helps to obtain high-quality produce. It is recommended that **Zorvec™ Vinabel™** be applied preventively in a sequence of two sprays at 15-day intervals. These two treatments provide up to 30 days of protection for the crop in its most sensitive stage of development (from the beginning of flowering to berry formation), when the grape yield is determined.

Zorvec™ Vinabel™ is absorbed very quickly – up to 20 minutes after spraying through the surface epidermis of the leaves, as well as internally (parenchymal tissue). **Zorvec™ Vinabel™** is not washed off 20 minutes after treatment. This helps farmers avoid repeat treatments if it rains more than 20 minutes after spraying. The movement/translocation of **Zorvec™ Vinabel™** from treated to untreated parts helps protect untreated clusters and leaves, including the new growth between two sprays. This is ensured by optimal coverage of the leaf mass in the critical stages of crop development. This gives vine growers more assurance, peace of mind and free time to deal with other issues in the vineyard.

How does **Zorvec™ Vinabel™** stand out and how will it benefit vine growers?

- A new fungicide, already successfully implemented in practice (for example, in Italy)
- Contains the newest active substance (**Zorvec™/oxathiapiprolin**) with an entirely new and different mode of action compared to analogous fungicides used so far in practice, and a second active substance (zoxamide) with locally systemic action
- With combined fully systemic, locally systemic, translaminar, contact, curative and protective action
- The combined and different mode of action of the active substances ensures control of downy mildew, including in the most critical stages of the vine (from the beginning of flowering to berry formation) and avoids the risk of pathogen resistance
- Synergism and mutually complementary action of the active substances
- Provides 3–4 days longer control of downy mildew than competing products

- Provides full control of downy mildew with a low dose per decare (2 grams of active substance per decare, unlike competing analogous active substances – metalaxyl-M, benalaxyl, metalaxyl, fosetyl-aluminium, where the dose is from 10 to 130 grams of active substance per decare)
- Very fast absorption of the fungicide after treatment – up to 20 minutes. It is not washed off by rain falling 20 minutes after spraying
- High-quality liquid suspo-emulsion formulation (oil-based), facilitating faster adhesion, absorption and transport to all growth points – ensures reliable control against downy mildew
- Successfully protects new growth between two treatments
- No cross-resistance with products currently used in practice
- Low application rate (50 ml/da of ready-to-use product) – lower transport and storage costs
- Does not adversely affect product quality
- Does not adversely affect fermentation processes in wine production
- Meets the highest criteria and requirements for maximum residue levels (MRL) in the grapes produced

The general conclusion is that **Zorvec™ Vinabel™** is at a qualitatively higher level for the control of downy mildew, thanks to the 15 practical advantages listed, tested and proven under real practical conditions in commercial vineyards in major wine-growing countries, including Bulgaria.

The fungicide's slogan is no coincidence either – IT CHANGES EVERYTHING.

We at Corteva Agriscience recommend that you include **Zorvec™ Vinabel™** in your downy mildew control programme, and we are confident that you will be satisfied with its effect.

For more information, please contact the regional representatives of Corteva Agriscience and visit

www.corteva.bg