



Grape Compass

Enabling quality grapes

Powered by HydroNET

User Experience: Dornier Wines

Introduction

Grape Compass is a smartphone application that can be used as a decision support system for viticulturists/grape growers that makes reliable forecasts of fungal disease risks in vineyards. Not only does Grape Compass help avoid unnecessary sprays during periods of low risk, but the app also helps to ensure optimal crop protection during periods of high disease risk.



Dornier Wines is a Grape Compass user and the farm's viticulturist and manager, Arjen Rijpstra, provided some valuable insights on their experience in using the application in the 2022 season.

About Dornier Wines

Dornier is situated in Stellenbosch, South Africa. "We specialize in quality wine production. Sustainability is the key behind our farming initiative. We farm with the future in mind and strive to be environmentally, social and ethically accountable."

How did you get started with Grape Compass?

Dornier signed up to use Grape Compass in the 2022/2023 season. Arjen explained that the disease pressure was abnormally high for their area in the 2022/2023 growing season.

How was your experience with Grape Compass?

"Excellent, the application was accurate. The app made a positive contribution and helped with the decision-making process."

What would you say is the biggest benefit of Grape Compass?

"Lowering environmental impact and cost deductions."



Downy mildew - Primary infection risk

| | 18-05 | 19-05 | 20-05 | 21-05 | 22-05 |
|---------------|---------|---------|---------|---------|---------|
| 02:00 - 08:00 | No risk | No risk | High | High | No risk |
| 08:00 - 14:00 | No risk | No risk | No risk | Medium | No risk |
| 14:00 - 20:00 | No risk | No risk | No risk | No risk | No risk |
| 20:00 - 02:00 | No risk | No risk | High | No risk | No risk |



Botrytis - Infection risk

| | 18-05 | 19-05 | 20-05 | 21-05 | 22-05 |
|---------------|---------|---------|---------|---------|---------|
| 02:00 - 08:00 | No risk | No risk | No risk | No risk | No risk |
| 08:00 - 14:00 | No risk | No risk | No risk | No risk | No risk |
| 14:00 - 20:00 | No risk | No risk | No risk | No risk | No risk |
| 20:00 - 02:00 | No risk | No risk | No risk | No risk | No risk |



Weather Impact

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