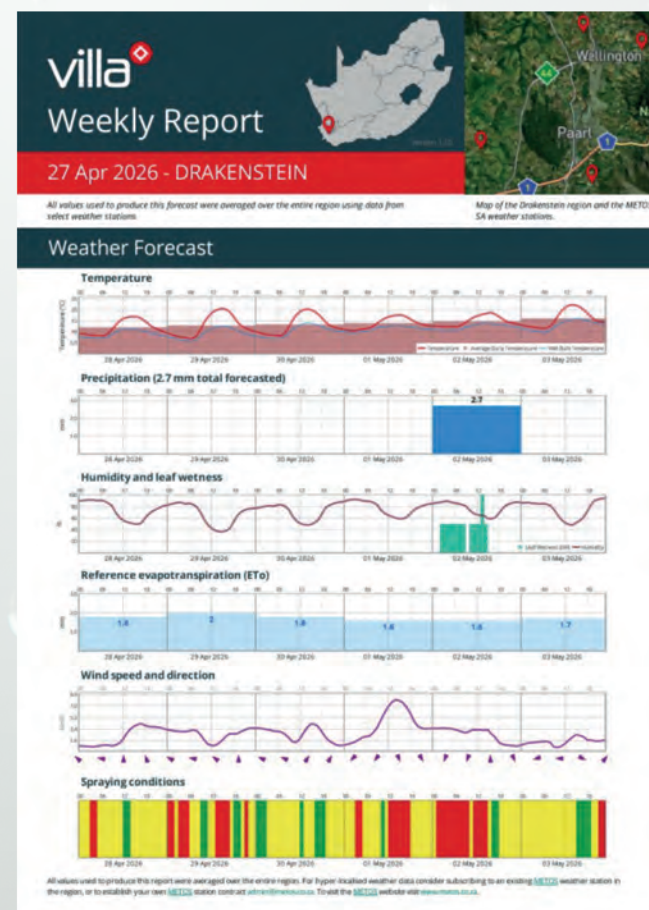


# USING THE VILLA REGIONAL WEATHER REPORT

## WEATHER FORECAST PARAMETERS

Report page 1 contains the forecast graphs and spraying conditions view.



### GLOSSARY

#### Temperature

**Definition:** Air temperature (°C) measured or forecasted across the region.

**Importance:** Influences crop growth, plant stress, disease activity, pest pressure and spray performance.

**Agronomic use:** To assess crop conditions, heat stress, disease favourability and spray suitability.

#### Precipitation

**Definition:** Rainfall (mm) measured or forecasted over the reporting period.

**Importance:** Affects soil moisture, disease development, spray wash-off risk and field accessibility.

**Agronomic use:** To assess moisture conditions, spray wash-off risk, field access and disease favourability.

#### Relative Humidity

**Definition:** The amount of moisture in the air, expressed as a percentage.

**Importance:** Affects disease development, evaporation rate, spray droplet drying and drift risk.

**Agronomic use:** To assess disease favourability, evaporation risk and spray droplet drying.

#### Leaf Wetness

**Definition:** The presence and duration of moisture on plant surfaces.

**Importance:** A key driver of disease infection and fungal development.

**Agronomic use:** To assess disease infection risk and how long crop surfaces remain wet.

#### Reference Evapotranspiration (ETo)

**Definition:** The estimated atmospheric demand for water under current weather conditions.

**Importance:** Indicates crop water demand, irrigation need and evaporation risk during spraying.

**Agronomic use:** To assess crop water demand and evaporation risk during spraying.

#### Wind Speed

**Definition:** The speed of moving air across the region.

**Importance:** Directly affects spray drift, droplet movement and application efficacy.

**Agronomic use:** To assess spray drift risk and application suitability.

#### Wind Direction

**Definition:** The direction from which wind is blowing.

**Importance:** Determines where spray drift may move and supports safer application planning.

**Agronomic use:** To assess spray drift direction and application risk.

#### Spraying Conditions

**Definition:** An indicator of whether weather conditions are suitable for spraying.

**Importance:** Helps identify safe and effective spray windows.

**Agronomic use:** To identify suitable spray windows and flag drift or evaporation risk.

# USING THE VILLA REGIONAL WEATHER REPORT

This guide offers a short explanation of the meaning, importance and suggested agronomic use of each parameter.

## REPORT LOGIC AND USE NOTES

These notes apply across the report and help explain how the Villa Regional Weather Report should be interpreted.

### Regional Averaging

**Definition:** Report values are averaged across selected weather stations in the region.

**Importance:** Gives a regional view, but does not replace farm-specific station data.

**Agronomic use:** Used as regional guidance for weather, spray and disease interpretation.

### Hyper-local Conditions

**Definition:** Farm-specific weather conditions that may differ from regional averages.

**Importance:** Microclimates can differ significantly from the regional average.

**Agronomic use:** Used to remind users that farm-level decisions should consider local conditions.

### Indicative, Not Prescriptive

**Definition:** The report supports decision-making but does not replace agronomic advice.

**Importance:** Prevents the report from being used as a standalone recommendation.

**Agronomic use:** Used as a decision-support.

## A NOTE ON THE CONTENTS OF THE VILLA REGIONAL WEATHER REPORT

The Villa Regional Weather Report has undergone significant revisions since beta testing started in 2025, and we are constantly re-assessing its contents and presentation. As more historical data becomes available from the in-field METOS SA weather stations on which this report is based, more parameters could be added. We value any feedback on the usefulness of the report, as well as suggestions to make it as responsive as possible to as broad a user community as possible. If you wish to offer your input, please make contact with us through our social media platforms.

The parameters contained within the report offer only those metrics that we consider most pertinent for the timing of major agricultural actions. For more specialised and crop-specific data, consider subscribing to an existing METOS SA weather station in your region, or explore the various options for a designated METOS SA weather station on your farm.