

# FrostSmart®

## **FrostSmart® – the market leader in Frost Fan monitoring systems across New Zealand and Australia.**

All FrostBoss® machines with Auto Start/Stop and wireless radio temperature probes are now monitored (subject to cellular network coverage). That means no additional monitoring hardware costs\* – only an annual monitoring fee to access your customer-specific data via any internet-connected device (subject to cellular network coverage).

\* Hardware costs apply if additional add-on sensors are required e.g. canopy temperature sensors, weather stations, soil moisture monitors and water flow meters.

**You have invested so much in your crop and its success. Make sure you protect it against frost damage.**

[frostsart.com](http://frostsart.com)

## **Don't be left out in the cold. Frost Fan monitoring in the palm of your hand.**

FrostSmart® Frost Fan monitoring is a 'must' if you don't live on site, or you're running multiple Frost Fans. Alarms can be generated in the form of text messages. Frost Fan status along with tower temperature, engine rpm, battery status, wind speed and trip hours are sent to your FrostSmart® customer-specific portal. By far the majority of our customers subscribe to FrostSmart® monitoring when they purchase a FrostBoss® Frost Fan.

### **FrostSmart® monitoring:**

- Powerful insights – FrostSmart® enables you to check your Frost Fans are armed and ready before a frost, to check on operation during a frost and to analyse historical data after the frost.
- Data insights – tower temperature, canopy temperature, engine rpm, battery status, wind speed and trip hours. Easily run reports to see which machines need refuelling based on trip-hours. Remotely check the wind speed to ensure conditions are right for crop spraying activities. Easily run reports to satisfy any council consent conditions.
- Each fan is displayed on a Google map and the data relating to each fan displayed in tabular and graphical form.
- FrostSmart® monitoring data is downloadable as a simple excel spreadsheet.
- Alarms can be configured by the user and sent to multiple contacts by text message, phone call or email (e.g. run signal, canopy temperature). At the start of the season, these alarms need to be activated for each site, via the alarm settings page. Once activated, the alarms will display on the main page against each triggered sensor.
- For important alarms, we recommend you activate notifications. Contacts can be notified by phone, SMS or email. They can then log into the portal to monitor the situations in real time.
- Your customer-specific FrostSmart® monitoring data can be accessed via any internet-connected device – [my.frostsart.com](http://my.frostsart.com).



## FrostSmart® Features:

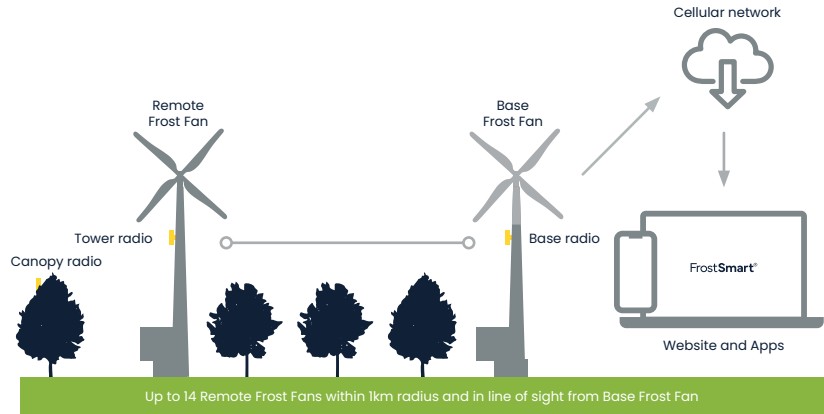
### Efficiency.

FrostSmart® monitoring saves you time and increases the efficiency of your team. For example, you can remotely check that all your Frost Fans are armed and ready to run before a frost event; run reports to identify which machines need refuelling and compare weather data with previous years.

### Peace of mind.

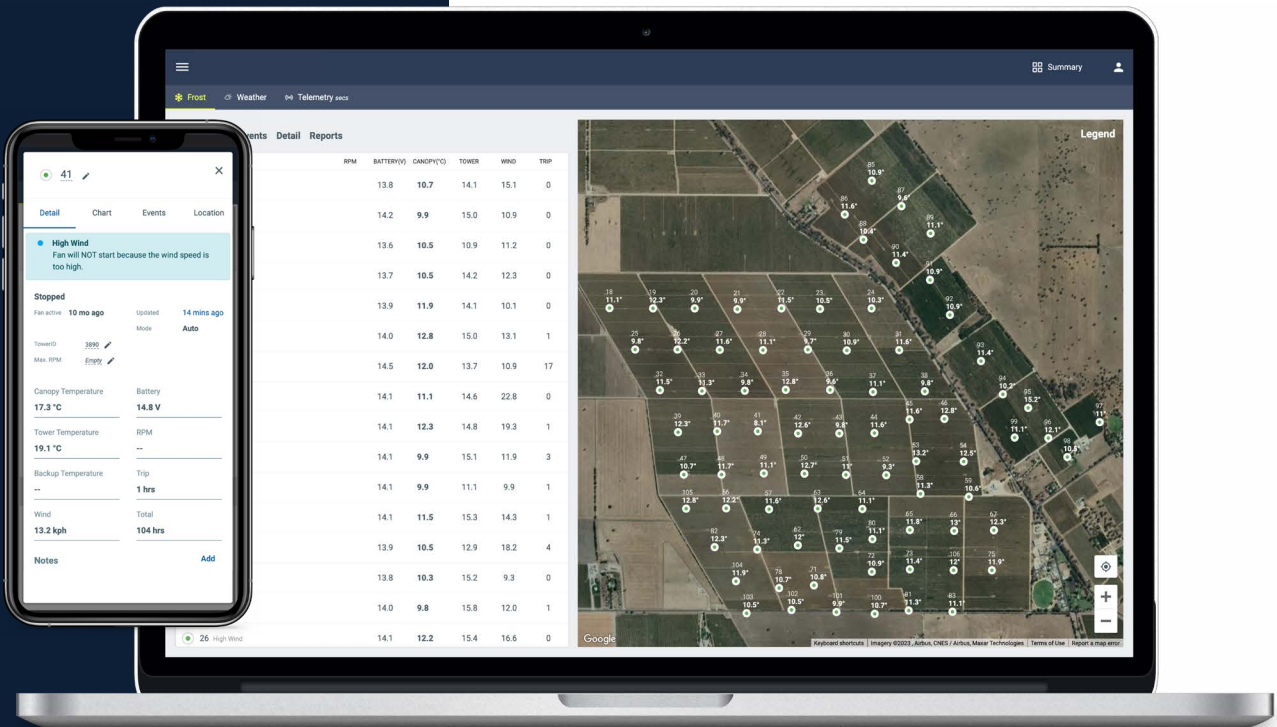
FrostSmart® monitoring gives you reassurance that your Frost Fans are running when they need to be, and provides full visibility without having to drive to each machine. Any issues which may arise can be immediately pinpointed and rectified.

## FrostSmart® Architecture.



### Add-on sensors.

Additional monitoring including other remote canopy temperature sensors, weather stations, soil moisture monitors and water flow meters can easily be added to the FMU Gateway via a dual input. The use of temperature probes has the added benefit of providing accurate data, which can be used to show where additional fans are required and to prioritise placement for staged installation of fans.



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