



The Harvest solar powered frost alarms and weather stations give you the ability to manage and protect your orchard or vineyard with absolute precision.

The Harvest System is a complete internet based solar powered weather monitoring solution. The system can be placed anywhere in the world where there is GSM or 3G cell phone coverage and it will report real time data through to the Harvest website.

To see live online data check out [www.harvest.com](http://www.harvest.com). There are currently over 700 systems on the Harvest network across NZ and Australia.

## Features

**Online Data.** At any point in time you can see your weather data live on the internet. The temperature trends and history are visible at a glance. If set up as a Frost Alarm then under non-alarm conditions the system reports to the web site every hour with 10 minute logs. When the temperature drops below 3 degrees the system reports back new data every minute. The daily weather data and statistics are a great way for shareholders to see what is happening at their investment property.

**Alarms.** The system sends up to four messages (text messages, voice messages or emails) when the temperature drops to the user defined alarm level. Other alarms can also be configured; a second temperature alarm, wind machine start/stop, pump run and battery voltage alarms, etc.

**Growing Statistics.** The system calculates Growing Degree Days for your site during growing months, Richardson Chill Units during the winter months, Bacchus Botrytis risk (with the addition of a leaf wetness sensor ), Dew Point and Wet Bulb (with the addition of a Humidity sensor).

**Wireless Temperature Sensors.** Each system supports up to four wireless temperature sensors which can be placed up to 250m from the base unit (no cables to mow or prune!). Wireless sensors can be installed in minutes and are easily relocated. They also have a 10 year battery life.

**Weather Monitoring.** The addition of humidity, wind speed and direction, rainfall and soil moisture sensors help to give a complete picture of weather conditions. Wind data with calculated average and gust speeds can be very useful for spraying contractors. Soil moisture is highly beneficial to those who wish to manage irrigation. Other sensors such as solar radiation, leaf wetness and soil temperature are also available. Monitoring of third party sensors such as flow meters and well depth sensors can also be arranged.

**Wind Machine Monitoring.** Many vineyards and orchards that have Harvest units are now monitoring their wind machines. The system can currently monitor engine on/off and battery voltage with other variables such as oil pressure, fuel level and rpm soon to be available. Alarms can be sent out when the engine starts or stops or if the battery goes flat.



[www.harvest.com](http://www.harvest.com)