



Fritons Ltd is the NZ supplier of the Japanese manufactured frost protection fan system.

The fan system manufactured by Fulta has had over 30 years of proven results with more than 400,000 fans in operation.

This frost protection system is unlike the large noisy traditional wind machines used in NZ.

The size, setup and layout of our fan system makes them extremely effective on undulating and sloping ground and also allows us to install fans in small frost prone specific areas such as basins and troughs where frost can be held due to the natural topography.

In addition, due to the blade design significantly less noise is created (approx. 40 db at 100 meters), which makes these fans very suitable where residential areas or neighbours a close by and noise emissions could be or are a problem.

THE FANS

1. The fan blades are much smaller than traditional wind machines and are only 1 meter in diameter.
2. The blades are directed towards the crop and canopy, as opposed to simply horizontal, which makes them very effective as they are able to draw the warm air from the inversion layer and push it onto the crop and canopy creating a heating and drying effect.
3. The fans are powered by a 3 phase electric motor which is positioned on top of a 6.5m stainless pole which is hard rammed into the ground.
4. The fans are connected back to a control box which has a thermostat controller that automatically turns the fans on when the temperature drops and off when it warms up.
5. The control box is then connected to the power supply which can be either directly to the main supply or a generator can be used.

FAN LAYOUT

1. Due to the size of the fans they are positioned much closer together, with each fan being responsible for the removal of frost to a 30m x 30m area.
2. The fans rotate 90 degrees and work together to assist the natural air movement to effectively remove frost from any prone areas

If you would like to know any further information please feel free to email or call me.

Thanks for your time
Kind regards

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