

# Latrobe Valley Farm Fresh

AgriCool system makes rearing of birds easier and more secure



## Technical data

Type	AF1250-001	AF0200-001
ebm-papst Product	50 inch EC tunnel fan	200mm destratification fan
Air flow	m <sup>3</sup> /h 49,191	545
Power consumption	W 1790	14
Number of fans	6	10

The fans are controlled by the AgriCool ventilation interface

### Project



Ron is the Farm Manager of Latrobe Valley Farm Fresh, a layer farm located near Morwell in Victoria. Aware that there were better ways to manage his farm while improving the quality of climate control, especially in the birds' fragile early days, Ron looked at converting the farm's old layer sheds into new tunnel ventilated sheds for rearing.

Steven Davies from Agricultural Automation proposed a range of solutions for the new tunnel shed design, with a focus on high-quality and high-performance climate control.

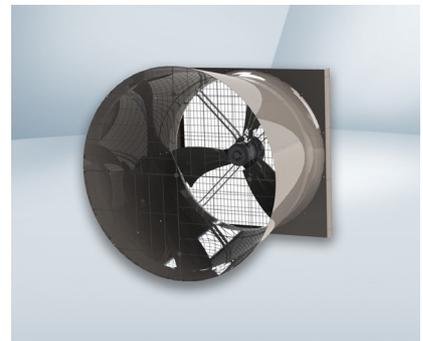
The AgriCool shed ventilation system from ebm-papst was chosen for its proven ability to reduce energy consumption, maintenance-free design and improved fan reliability.

### Application



The renovated shed contains six EC direct drive 50 inch tunnel fans. The fans were installed with shutter and light traps to improve the quality and control of the climate inside the shed throughout the rearing process. Ten destratification fans were installed in the shed, moving warm air from the top of the shed gently downwards, increasing the litter temperature, promoting an even temperature distribution throughout the shed and reducing gas consumption and the length of the pre-heating period required.

### Benefits



In terms of operation, the AgriCool system was a no-brainer for Ron. The quieter fans made for more peaceful birds and the infinite speed control allowed for accurate, efficient air flow. Improved airflow reduces the temperature differential in the shed and allows Ron to use the whole shed space to rear the birds, making the process easier.

The ability to check the records of shed ventilation, including past temperature and airflow speeds was a huge benefit to Ron, allowing him to see the root cause of any issue.

Utilising ebm-papst AgriCool fans has equipped Ron with a more reliable shed ventilation system, working effectively and efficiently. A fail safe and backup system provides Ron with peace of mind.

To those concerned about price Ron says "[You're] better off looking at the long term... If you don't have a reliable system you end up losing birds. You can't lose birds".