



Nottingham University Dairy Research Centre Nottingham

PROJECT: Nottingham University Farm
LOCATION: Nottingham
PROJECT BRIEF: Reduce temperatures, suppression and reduction of dust, odours and insects
HYDOR PRODUCTS INSTALLED: Evaporative Cooling System, HV Fans

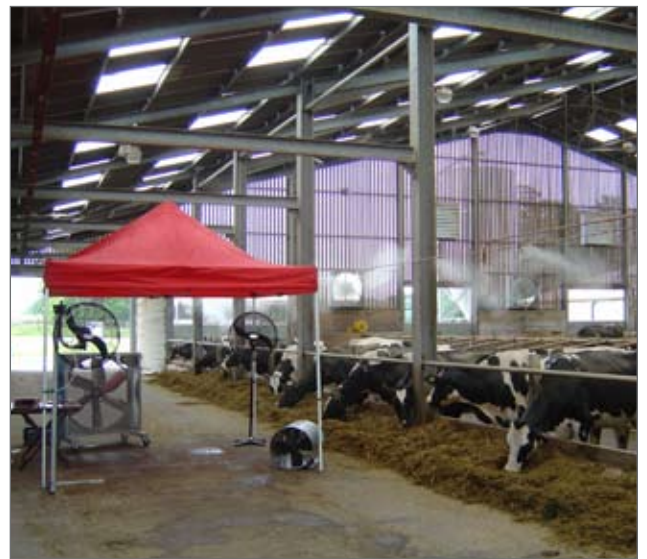


Specialist fan manufacturer, Hydor Limited has won a contract to supply its unique dairy evaporative cooling system to Nottingham University's dairy research centre, after a trial loan installation of the system at the site. The site currently utilises Hydor HV fans for ventilation of the dairy sheds.

Designed to provide comfort for cattle, the system utilises evaporation cooling as opposed to traditional misting methods, allowing the temperature of the whole building to be reduced, ensuring lower temperatures and less flies.

These conditions provide an improved feeding environment for cattle, resulting in fewer cases of mastitis and higher milk yields, as Jeremy Sanderson from Hydor explains:

"Belt drive fans are installed on one side of the shed to blow fresh air through the building to dissipate heat and disease. In addition, a line of nozzles is run along the feeding passage and a high pressure spray passes over the top of the cows. As the heat rises from the cows, it meets the spray and evaporates, dissipating the heat above the line of nozzles. This creates a reduced temperature underneath the line of nozzles, thus providing comfort cooling."



Hydor has secured further orders for the cooling system following a consulting day for dairy farmers, arranged by KITE, the consultancy specialising in dairy animal welfare.

Hydor Ltd are part of the £62 million Elta Group, a family of businesses with operations in six countries on four continents which, together with a network of international distributors, provides quality fans and related air movement equipment to customers worldwide.

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Case Study - Evaporative Cooling - Nottingham University Research Centre

