



Ivy House Farm Leicestershire

PROJECT: Ivy House Farm
LOCATION: Leicestershire
PROJECT BRIEF: Reduce temperatures, suppression and reduction of dust, odours and insects
HYDOR PRODUCTS INSTALLED: Hydor Evaporative Cooling System



The Hydor evaporative cooling system has been installed with outstanding success on a farm in the heart of Leicestershire, which produces milk for cheese-maker, Long Clawson Dairy.

The system is fitted within a 36 bay, rotating milking parlour and within the holding areas at Ivy House Farm, where milk is produced for the manufacture of the quality Stilton and speciality cheeses for which Long Clawson Dairy is well known.

Developed for cattle and poultry production originally, Hydor evaporative cooling is a simple but highly effective method of reducing temperature in a variety of agricultural, horticultural and commercial applications. Surrounding air is cooled as tiny droplets of water are emitted from a series of nozzles under high pressure. The droplets evaporate in the heat rising from the animals and the surrounding air temperature is reduced without condensation – or detrimental effect to fixtures or fittings.



In an enclosed area – such as the Ivy House milking parlour or other animal enclosure – the water droplets have the added benefit of removing small particles from the air. This makes the evaporative cooling system an effective method of controlling levels of dust, other pollutants, odour and even insects.

Within milking parlours and holding areas, it is vital that cows are kept comfortable to optimise production levels. The lower temperatures and reduced insect infestation are shown to increase productivity in milk yield and fat percentage. An even, comfortable temperature in feeding and housing areas will also increase food intake levels - further improving productivity - and also reduce bunching and the resulting stressful heat levels.

Owner of Ivy House Farm, Mr. Mark Hornbuckle, says: *“The cooling capacity of the Hydor evaporative cooling system is incredible. The herd is milking better and is far more comfortable. Moreover, our problem with flies in the parlour has also been dramatically reduced.”*

“We are so pleased with the system, plans are currently in place to extend it to our feeding and cubicle areas,” says Mark.

Evaporative cooling differs from misting or fogging systems, which wet the animals in order to cool them. This is unsuitable for many livestock applications – notably poultry. The Hydor evaporative cooling system is highly economical with low levels of water and energy consumption. The system is modular and easily adaptable. Non-drip nozzles prevent unwanted dampness and puddles in places such as cattle lay-down areas.

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Long Clawson Dairy was founded in 1911 when 12 farmers from the Vale of Belvoir formed a co-operative to produce Stilton Cheese in the village of Long Clawson. Today the company has become the largest producer of Blue Stilton and a leading producer of blended cheeses operating from 3 sites with 56 producing members from 39 farms supplying 38 million litres of milk per year.

The Hydor Evaporative Cooling brochure is now available direct from Hydor or downloadable at www.hydor.co.uk



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 - Ivy House Farm

