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smaXtec Introduces Artificial Intelligence to Support Dairy Herd Health Management

The advanced dairy cow health system, [smaXtec](#), has introduced a new artificial intelligence (AI) capability to help farmers pinpoint mastitis with the launch of TruAdvice* technology.

Powered by AI, TruAdvice provides a precise probability measurement of mastitis in individual cows, depending on the pathogen, the mastitis detection rate is around 90%.

Harnessing the potential of machine learning, the system's health alerts are based on analysis from hundreds of thousands of cows and cases worldwide and using insights from research institutions, veterinarians and industry experts.

The AI autonomously learns and adapts over time to continue improving its potential for the earliest possible indication of disease. This helps farmers consider milder remedies thanks to improving the response times for treating mastitis.

Global sales director, Chris Howarth believes that TruAdvice can help dairy farmers tackle one of the most common and costliest diseases on dairy farms even more effectively. "Dairy farmers are facing incredible volatility in the sector currently. In the past twelve months the cost per case of mastitis has risen from £334 to £365¹. It means there's even greater reason to ensure you're able to take fast, preventative action before it impacts productivity," says Mr Howarth. "Every second counts when it comes to implementing supportive therapies and reducing the use of antibiotics. Having access to TruAdvice can deliver cost savings and ensure there's more milk going into the tank."

By giving farmers a clear indication to check whether treatment is necessary, TruAdvice benefits any dairy business struggling to find experienced labour, by supporting less experienced staff to maintain optimal care of cows in suspected mastitis cases.

¹ [Kingshay's Dairy Costings Focus Report 2023](#)

Press Release



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South West dairy farmer and smaXtec customer Steve Axford from Axford Farm believes the additional AI functionality will provide better support to the stockmen and women who use it. “We have been using the smaXtec system for many years, and it has become an essential member of our team. Alongside human animal husbandry skills, smaXtec gives us extra guidance,” says Mr Axford.

“We often use an herbal supplement on these early cases, which has helped reduce our antibiotic use, and more importantly the cows have recovered quicker as the mastitis was caught early. We are very excited to hear about the latest development which will signpost mastitis even more accurately. What a great idea,” he adds.

By offering a solution that streamlines data management and empowers dairy farmers to take charge of their herd’s health, smaXtec is pushing the boundaries of what is possible with AI driven innovation in dairy operations. smaXtec expect mastitis indication to be the first of many applications compatible with TruAdvice technology. For more information please visit www.smaXtec.com.

**The services offered by smaXtec do not replace medical diagnoses, medical examinations or treatments of animals. smaXtec does not assume any liability for the detection of diseases or the health management of the herd. Furthermore, smaXtec assumes no liability for the accuracy or interpretation of the measurement results obtained. The user is solely liable for any actions or measures taken as a result of the measurement results. smaXtec excludes all and any liability that could arise in connection with the herd management*

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About smaXtec

We offer professional dairy farmers the most technologically advanced health system aimed at preventing diseases in dairy cows. As a result, farmers achieve stable high milk yields, reduce the use of antibiotics many times over and significantly increase animal welfare. Through 24/7 monitoring and optimisation of time-consuming daily tasks, the entire work process on dairy farms can be made more efficient. In this way, we make an important contribution to the stability and profitability of dairy farming worldwide.

For more information, please visit us at smaXtec.com