



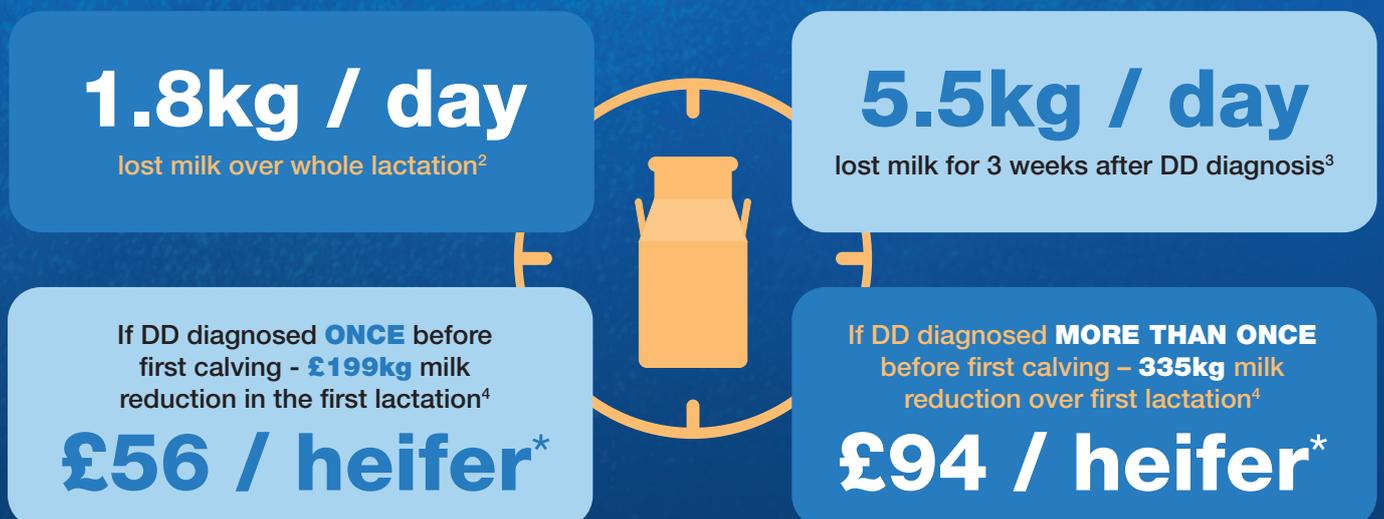
The Economic Impact of Lameness Associated with Digital Dermatitis in Dairy Cows

CATEGORISATION OF EXPENDITURE VS. ASSOCIATED LOSSES LINKED WITH DAIRY COW LAMENESS¹

EXPENDITURE = INCREASED COSTS	LOSSES = REDUCED RETURNS
<p>Treatment:</p> <ul style="list-style-type: none">• Labour and therapeutics <p>Prevention:</p> <ul style="list-style-type: none">• Environmental change, management practice upgrades, detection technology	<ul style="list-style-type: none">• Reduced milk production• Reduced reproductive performance• Increased risk of culling and death• Reduced welfare effects

Losses represent up to **93%** of total costs and outweigh expenditure in most cases¹

PRE-CALVING HEIFERS WITH DD: IMPACT ON MILK PRODUCTION



PRE-CALVING HEIFERS WITH DD: IMPACT ON REPRODUCTIVE PERFORMANCE

Delayed cyclicity • Increased anoestrus treatment • Increased cystic ovarian disease



IMPACT OF TREATMENT

One injection of Ketofen® 10% for a dairy cow (weighing 700kg) costs less than £15*

Milk production from lame freshly calved adult cows with DD – 47.89kg / day⁷

Milk production from lame freshly calved adult cows with DD **treated with Ketofen® 10%** – 58.38kg / day⁷

Lame cows receiving Ketofen® 10% were **20x less likely to be lame** 1 week after treatment than untreated cows⁷



+10.49kg / day
Extra £21 earned per cow for the first week**

The economic consequences of DD relate not only to direct costs but also can have a significant impact on welfare and production.

The use of ketoprofens, such as Ketofen® 10%, can improve welfare and have a significant production benefit, which outweighs the cost of treatment.

*Prices based on Pharmacy Nov 2021 and informal research across practices in G.B. **Assume average milk price of 28ppl

References: 1. Dolecheck K., J Bewley J. Animal board invited review: Dairy cow lameness expenditures, losses and total cost. 2018 Jul;12(7):1462-1474. doi: 10.1017/S1751731118000575. Epub 2018 Mar 20. • 2. Yeruham, I. 2000. Association between milk production, somatic cell count and bacterial dermatoses in three dairy cattle herds. Aust. Vet. J. 78:250-253. • 3. Pavlenko, A., Bergsten C., Ekesbo I., Kaart T., Aland A., and Lidfors L. 2011. Influence of digital dermatitis and sole ulcer on dairy cow behaviour and milk production. Animal 5:1259-1269. • 4. Gomez A, Cook NB, Socha MT, Döpfer D. First-lactation performance in cows affected by digital dermatitis during the rearing period. J Dairy Sci. 2015;98(7):4487-98. • 5. Huxley, J. (2013). Impact of lameness and claw lesions in cows on health and production. Livestock Science, 156(1-3), doi:10.1016/j.livsci.2013.06.012 • 6. <https://www.kingshay.com/wp-content/uploads/Dairy-Costings-Focus-Report-2019-WEB-VERSION.pdf> • 7. Kasiora K. et al. Evaluation of the use of ketoprofen for the treatment of digital dermatitis in dairy cattle: A randomised, positive controlled, clinical trial. Vet Rec. 2021:e977. <https://doi.org/10.1002/vetr.977> 20kkinga, K., 1998.

Ketofen® 10% solution for injection for horses, cattle and pigs contains 100 mg ketoprofen per ml. **Legal Category:** UK POM-V

Further information is available from the product SPC, data sheet, pack insert or from the prescriber.

Prescription decisions are for the person issuing the prescription alone. Use medicines responsibly (www.noah.co.uk/responsible)

Ceva Animal Health Ltd, Explorer H0use, Mercury Park, Wycombe Lane, Wooburn Green, Bucks HP10 0HH

Tel: 01628 3340566 www.ceva.co.uk KET Aug24

