**Further reading material – Last updated April 2022 – *new material since last update in red***

ADAS 2015. Study to model the impact of controlling endemic cattle diseases and conditions on national cattle productivity, agricultural performance and greenhouse gas emissions. [LINK](http://sciencesearch.defra.gov.uk/Default.aspx?Menu=Menu&Module=More&Location=None&Completed=0&ProjectID=17791)

Blanco-Penedo I, Wonfor R, Kipling RP 2022. Do animal health models meet the needs of organic and conventional dairy farmers in Spain and the UK on disease prevention? Veterinary and Animal Science, 100226. [LINK](https://www.sciencedirect.com/science/article/pii/S2451943X21000612)

Charlier J, Morgan ER, Kyriazakis I 2021. Quantifying the Interrelationship between Livestock Infections and Climate Change: Response to Ezenwa et al. Trends in Ecology and Evaluation. [LINK](https://pubmed.ncbi.nlm.nih.gov/33648761/)

FAO 2020. Animal health and climate change. FAO, Rome. [LINK](https://www.fao.org/documents/card/en/c/ca8946en/)

FAO, GDP 2019. Climate change and the global dairy cattle sector: The role of the dairy sector in a low‐carbon future. [LINK](https://www.fao.org/3/CA2929EN/ca2929en.pdf)

Gerber PJ, Steinfeld H, Henderson B, Mottet A, Opio C, Dijkman J, Falcucci A, Tempio G 2013. Tackling climate change through livestock: a global assessment of emissions and mitigation opportunities. FAO, Rome. [LINK](https://www.fao.org/3/i3437e/i3437e.pdf)

Jonsson NN MacLeod M Hayward A McNeilly T Ferguson KD Skuce J 2022. Liver fluke in beef cattle – Impact on production efficiency and associated greenhouse gas emissions estimated using causal inference methods. Preventive Veterinary Medicine, 105579. [LINK](https://www.sciencedirect.com/science/article/pii/S0167587722000125?dgcid=coauthor)

Kipling RP, Bannink A, Bartley DJ, Blanco-Penedo I, Faverdin P, Graux A-I, Hutchings NJ, Kyriazakis I, Macleod M, Østergaard S, Robinson TP, Vitali A, Vosough Ahmadi B, Özkan Ş 2021. Short communication: Identifying key parameters for modelling the impacts of livestock health conditions on greenhouse gas emissions. Animal 15. [LINK](https://doi.org/10.1016/j.animal.2020.100023)

Llonch P, Somarriba M, Duthie C-A, Troy S, Roehe R, Rooke JA, Haskell MJ, Turner SP 2018. Temperament and dominance relate to feeding behaviour and activity in beef cattle: implications for performance and methane emissions. Animal. 12:1-10. [LINK](https://www.cambridge.org/core/journals/animal/article/abs/temperament-and-dominance-relate-to-feeding-behaviour-and-activity-in-beef-cattle-implications-for-performance-and-methane-emissions/0D2A1C05B971C24DDDEA419C8A81DC00)

Llonch P, Haskell MJ, Dewhurst RJ, Turner SP. 2017. Current available strategies to mitigate greenhouse gas emissions in livestock systems: an animal welfare perspective. Animal. 11: 274-284. [LINK](https://www.sciencedirect.com/science/article/pii/S1751731116001440)

Llonch P, Somarriba M, Duthie C-A, Haskell MJ, Rooke JA, Troy S, Roehe R, Turner SP. 2016. Association of temperament and acute stress responsiveness with productivity, feed efficiency, and methane emissions in beef cattle: an observational study. Frontiers in Veterinary Science 3:43. [LINK](https://www.frontiersin.org/articles/10.3389/fvets.2016.00043/full)

MacLeod M, Eory V, Wint W, Shaw A, Gerber PJ, Cecchi G, Mattioli R, Sykes A, Robinson T 2018. Assessing the Greenhouse Gas Mitigation Effect of Removing Bovine Trypanosomiasis in Eastern Africa. Sustainability, 10, 1633. [LINK](https://doi.org/10.3390/su10051633)

MacLeod M, Moran D 2017. Integrating livestock health measures into marginal abatement cost curves. Revue scientifique et technique, 36, 97-104. [LINK](https://pubmed.ncbi.nlm.nih.gov/28926024/)

Mackenzie SG, Kyriazakis I 2021. Quantifying the contribution of livestock health issues to the environmental impact of their production systems. [LINK](https://shop.bdspublishing.com/store/bds/detail/workgroup/3-190-89132)

Meese S, Ulbrich SE, Bollwein H, Bruckmaier R, Wellnitz O, Kreuzer M, Roentgen M, Gimsa U, Schwarm A 2020 Methane emission, metabolism and performance of Holstein dairy cows with low, medium and high lymphocyte proliferation during transition, Journal of Dairy Science, 103:4367-4377, [LINK](https://doi.org/10.3168/jds.2019-17584)

Mostert P 2018. The impact of diseases in dairy cows on greenhouse gas emissions and economic performance. PhD thesis. Wageningen University. [LINK](https://edepot.wur.nl/445487)

Mostert PF, Bokkers EAM, De Boer IJM, Van Middelaar CE 2019. Estimating the impact of clinical mastitis in dairy cows on greenhouse gas emissions using a dynamic stochastic simulation model: a case study. Animal, 13, 2913-2921. [LINK](https://www.cambridge.org/core/journals/animal/article/abs/estimating-the-impact-of-clinical-mastitis-in-dairy-cows-on-greenhouse-gas-emissions-using-a-dynamic-stochastic-simulation-model-a-case-study/DECAF8E733AB3FF443F234C37B8D2B8D)

Mostert PF, Van Middelaar CE, De Boer IJM, Bokkers EAM 2018. The impact of foot lesions in dairy cows on greenhouse gas emissions of milk production. Agricultural Systems 167, 206-212. [LINK](https://www.sciencedirect.com/science/article/pii/S0308521X18306875?via%3Dihub)

Özkan Gülzari Ş, Vosough Ahmadi B, Stott AW 2018. Impact of subclinical mastitis on greenhouse gas emissions intensity and profitability of dairy cows in Norway. Preventive Veterinary Medicine, 150, 19-29. [LINK](https://www.sciencedirect.com/science/article/pii/S0167587716306912?via%3Dihub)

Özkan Ş, Vitali A, Lacetera N, Amon B, Bannink A, Bartley DJ, Blanco-Penedo I, De Haas Y, Dufrasne I, Elliott J, Eory V, Fox NJ, Garnsworthy PC, Gengler N, Hammami H, Kyriazakis I, Leclère D, Lessire F, Macleod M, Robinson TP, Ruete A, Sandars DL, Shrestha S, Stott AW, Twardy S, Vanrobays M-L, Vosough Ahmadi B, Weindl I, Wheelhouse N, Williams AG, Williams HW, Wilson AJ, Østergaard S, Kipling RP 2016. Challenges and priorities for modelling livestock health and pathogens in the context of climate change. Environmental Research, 151, 130-144. [LINK](https://www.sciencedirect.com/science/article/abs/pii/S001393511630319X?via%3Dihub)

Skuce PJ, Bartley DJ, Zadoks RN, Macleod M 2016. Livestock health and greenhouse gas emissions. Edinburgh. [LINK](https://www.climatexchange.org.uk/media/2031/livestock_health_and_ghg.pdf)

Statham J, Scott H, Statham S, Acton J, Williams A, Sandars D 2020. Dairy cattle health and greenhouse gas emissions pilot study: Chile, Kenya and the UK. [LINK](https://dairysustainabilityframework.org/wp-content/uploads/2020/10/Dairy-Cattle-Health-and-GHG-Emissions-Pilot-Study-Report.pdf)

van Soosten D, Meyer U, Flachowsky G, Dänicke S 2020. Dairy cow health and greenhouse gas emission intensity. Dairy, 1, 20-29. [LINK](https://www.mdpi.com/2624-862X/1/1/3/htm)