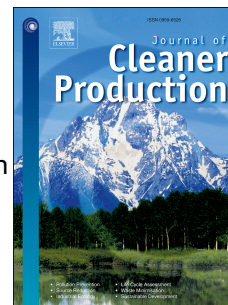


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Variations of energy intensities and potential for improvements in energy utilization on conventional and organic Norwegian dairy farms

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3 **improvements in energy utilization on conventional and**
4 **organic Norwegian dairy farms**

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17 **Abstract**

18 Due to the limited resources of fossil fuels and the need to mitigate climate
19 change, energy utilization for all human activity has to be improved. The
20 objective of this study was to analyse the correlation between energy
21 intensity on dairy farms and production mode, to examine the influence of
22 machinery and buildings on energy intensity, and to find production related
23 solutions for conventional and organic dairy farms to reduce energy
24 intensity. Data from ten conventional and ten organic commercial dairy
25 farms in Norway from 2010-2012 were used to calculate the amount of

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