



397 Research paper

Field trial to demonstrate the intelligent dairy assistant (IDA) system on dairy farms

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2019 Precision Livestock Farming 2019: Papers Presented at the 9th Euro

In Significant Impact Groups:

Precision Livestock Farming & Early detection \ Sensor technology

Species targeted: Dairy;

Age: Adult;

Summary:

Connecterra's Intelligent Dairy Assistant (IDA) is a novel Internet of Things based on a management support system for dairy farms. IDA uses sensor technology, cloud computing and artificial intelligence to support dairy farmers with insights on oestrus and health management. The IDA system uses feedback on historic data to improve its underlying models and farmers may learn from using the system. The experiences indicate that oestrus detection can be improved, and health monitoring can help to start early treatment and thereby reduce the use of antibiotics. For milk production the results are inconclusive as the groups with and without IDA were not balanced on milk yield before the field trial started. Based on the limited size of the experiment it could not be proven significant effects or causal relationships.

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Where to find the original material:

http://www.eaplif.eu/wp-content/uploads/ECPLF_19_book.pdf; ISBN 978-1-84170-654-2

Country: BE; NL