

Nedap CowControl™

Reproduction Management



EuroTier
Innovation
Award 2018



The new standard for controlled reproduction

Nedap Reproduction Management is the advanced software module that helps dairy farmers to be in total control of the reproduction of their herd.



Integrated with Health Monitoring and optional Cow Locating

Nedap Reproduction Management is part of Nedap CowControl and therefore integrated with Health Monitoring and optionally Cow Locating.

Focus on cows that need attention throughout the entire production cycle

Nedap Reproduction Management keeps track of the reproductive status of all cows 24 hours a day throughout their entire production cycle. It uniquely combines and integrates sensor data, cow events, fertility protocols and reproduction strategies in one intelligent system. Thanks to this integration and smart algorithms, it knows which cows are in heat, which cows have fertility problems and which cows are enrolled in specific protocols. The system automatically generates hands-on work lists on which all cows appear that either need to undergo a fertility check, (treatment) action or

can be inseminated. They appear on these lists at the right time with the information needed to make the best decisions.

This allows dairy farmers to focus on the right cows with the right (treatment) actions throughout every stage of their production cycle, without disturbing the routine of other cows with time-consuming and costly checks and treatments.

Next-to-cow registration

Diagnoses, treatments and (follow-up) protocols can be registered directly and easily via smartphone while standing with the cow. Together with the integration of

all reproductive information into one system, this means that complex and time-consuming administrative activities on paper and in multiple systems are eliminated. As a result, the chance of errors reduces and the level of compliance increases considerably. In addition, labor efficiency and effectiveness improve.

Analytics

A smart analysis tool establishes the relationship between registered diagnoses, (treatment) actions and sensor data. Based on this, the Analytics module within Nedap Reproduction Management shows clear reports on the effects of fertility protocols on animal behavior. It also provides valuable insights on the fertility problems and reproductive performance of the herd.

Getting cows pregnant in a controlled way within an optimal time window

With Nedap Reproduction Management, dairy farmers get their cows pregnant in a fully controlled way within a time window that is optimal for them. Together with improved labor efficiency and an increased level of compliance, this ensures increased profitability.

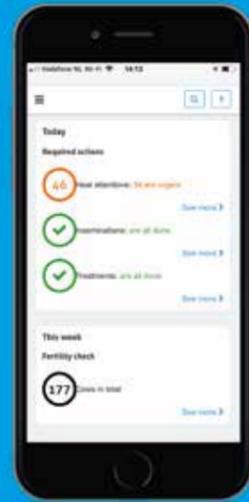
Nedap Reproduction Management is the first application that is offered within Nedap's new cloud platform. The software module can be added to existing Nedap CowControl systems and is expected to be released in the first half of 2019.

Controlled reproduction

With Nedap Reproduction Management, dairy farmers get the tools to be in total control over the reproduction of their herd.

Dashboard

Widget based overview of the most important (treatment) actions, checks and insights.

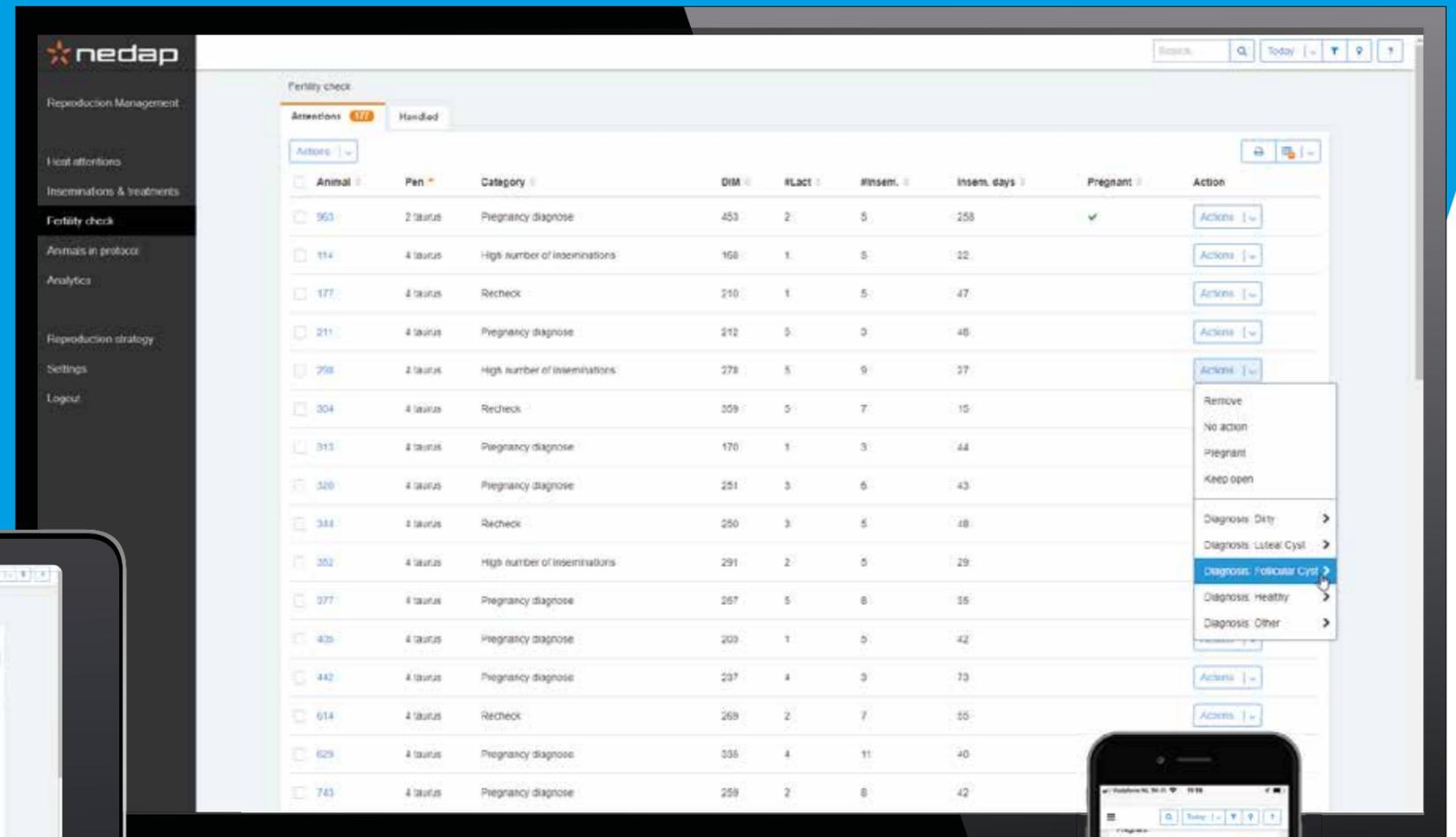
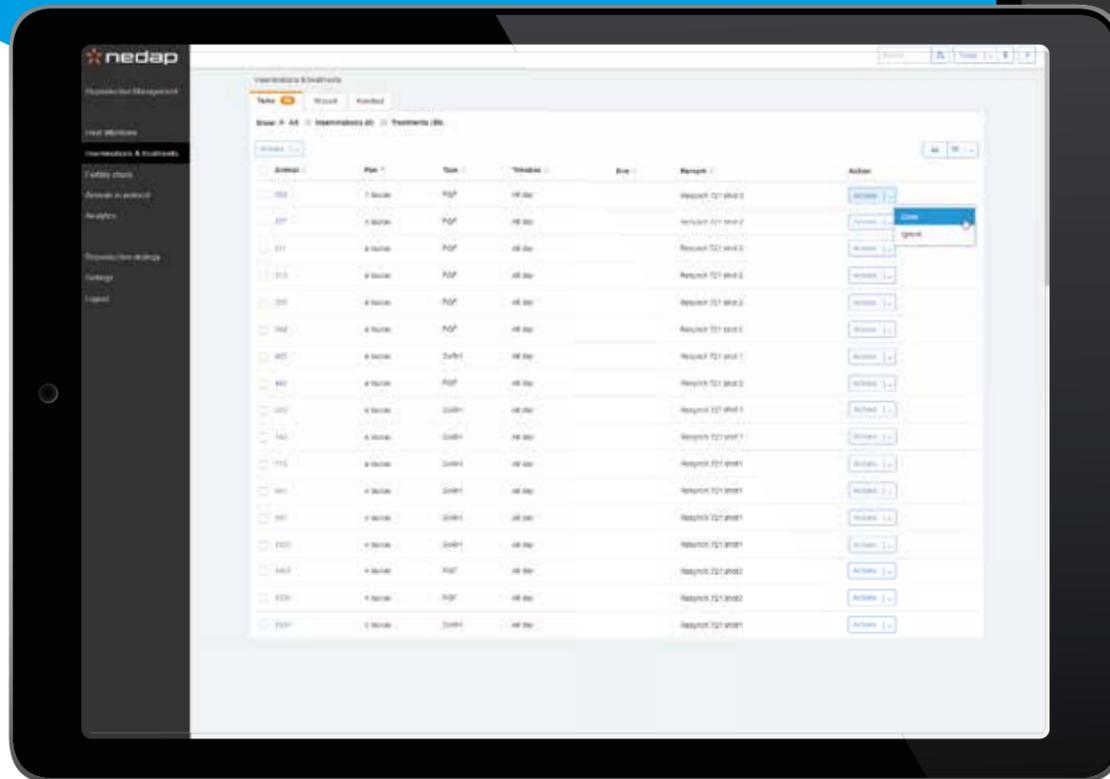


Fertility check

Worklist with all animals that need to be checked by a fertility specialist, including information about the type of check and relevant animal information. The following types of checks are shown: Fresh cows, Irregular heat, Many inseminations, Not yet inseminated, Pregnancy diagnosis, Abortion warning, Recheck.

Inseminations and treatments

Worklist of all animals to be inseminated and treated, including information about the type of (treatment) action and advice on the time period.



Next-to-cow registration

Diagnoses, treatments and (follow-up) protocols can directly and easily be linked to the cow via a smartphone while standing next to her.



Insight and automation

Automation and decision support to increase reproductive efficiency.

Reproduction strategy

User-friendly protocol builder, in which farmers can easily and flexibly create their custom reproduction strategies, including treatment protocols, synchronization protocols and tasks.

Animals in protocol

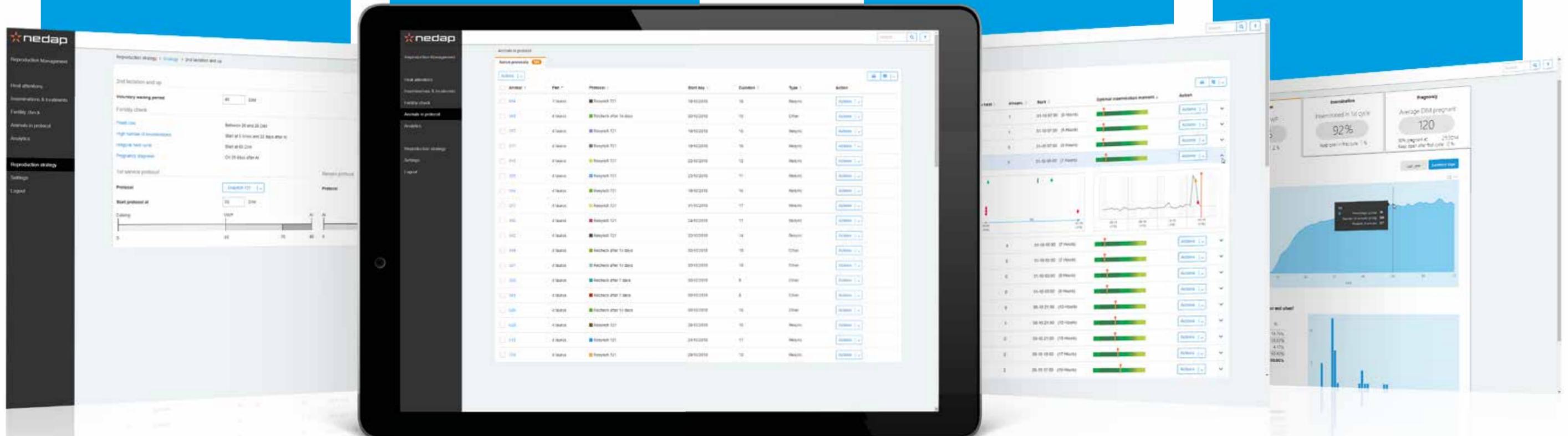
Overview of all animals within the module, including information about the protocol assigned to them and their status in the course of the protocol.

Heat attentions

Intelligent list showing cows in heat, with the exception of those that are in protocol or must not (yet) be inseminated for any other reason. Serves to assess whether cows should be inseminated.

Analytics

Smart and interactive analysis tool that shows clear reports on the effects of fertility protocols on animal behavior and provides valuable insights on the fertility problems and reproductive performance of the herd.



All interfaces automatically adapt to any device.

Benefits at a glance

- ✓ Keep track of the reproductive status of all cows 24/7 throughout the entire production cycle.
- ✓ Focus on the right cows with the right (treatment) actions without disturbing the routine of other cows with time-consuming and costly checks and treatments.
- ✓ Next-to-cow registration: Register diagnoses, treatments and (follow up) protocols directly and easily via smartphone while standing with the cow.
- ✓ Eliminate complex and time-consuming administrative activities on paper and in multiple systems.
- ✓ Analytics: Get valuable insights on the fertility problems and reproductive performance of the herd.
- ✓ Increase labor efficiency and drastically reduce the chance of errors.
- ✓ Get cows pregnant within an optimal time window.
- ✓ Be in total control of the reproduction of the herd.



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