

Herd Navigator™



Proactive herd management for VMS

A key Smart Farming system

Sophisticated data analysis

As a professional dairy farmer whose cows are milked in DeLaval voluntary milking system VMS, you know that smart technology supports your drive to improve productivity. Among many other benefits, the automated efficiency of Herd Navigator™ can dramatically improve three key factors in your milk production:

- Reproduction
- Mastitis detection
- Ketosis detection.

Reproduction

Heat detection rates of at least 95 % were reported on Herd Navigator™ farms*. Furthermore, pregnancy rates increased significantly in a very short time: up to 50%.

The workload is changing. What once took an hour or two is now done best in ten minutes. A number of farmers have stopped performing manual pregnancy tests and fully trust their Herd Navigator™ instead.

Mastitis

Herd Navigator is able to detect mastitis up to 3 days before physical signs are visible. That means you can focus on the cows that need your attention the most.

Ketosis

Herd Navigator™ detects early signs of ketosis. Detection of previously unobserved cases of ketosis has a considerable effect on milk production. With immediate treatment to avoid clinical ketosis, the system can help prevent milk losses of up to 600kg milk per cow per lactation.

The system has detected 50% more diagnoses of clinical and subclinical ketosis than normal. This allows you to uncover hidden savings and fine tune your Standard Operating Procedures to quickly improve results.

Improve results with fast action

With early and specific attention alerts you can take action. Proactive health treatments improve production efficiency and profitability.

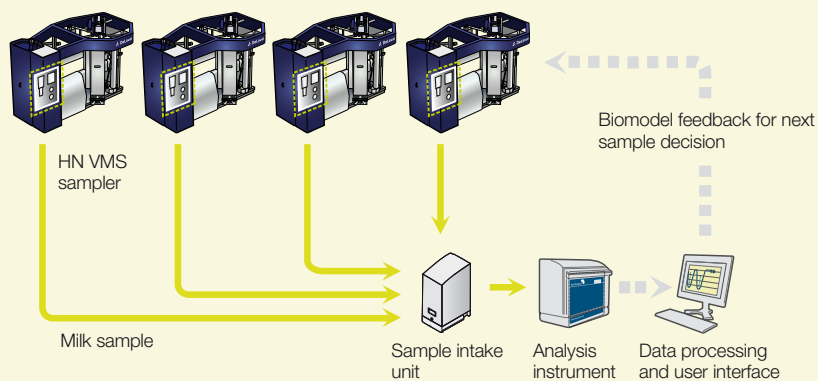
* Data source: 4 test and 5 commercial farms in Denmark and the Netherlands running Herd Navigator™, 2009.

Barn overview showing installation of four VMS and Herd Navigator



Unique, reliable, integrated and efficient

One Herd Navigator works with up to four DeLaval VMS



While the cows are being milked in the VMS, individual, representative milk samples are sent via the sample intake unit to the analysis instrument. The analytical results are processed in an advanced biological model and displayed in the Herd Management program on farm along with suggested actions.

Herd Navigator™ features

- Automatic milk sampling during VMS milking, and analysis of the respective milk indicators, giving you control over your daily milk production.
- It analyses four parameters:
 - LDH (Lactate dehydrogenase) for mastitis
 - Progesterone for reproduction
 - BHB (beta hydroxybutyrate) for ketosis
 - Urea for feed protein balance
- Clearly identifies the cows in need of special attention – for reproduction, health and feeding.
- It provides clear, easy to understand, recommended action plans.
- You can take action before the clinical outbreak of disease, before a cow shows clinical signs.
- Automatic heat detection with the “gold standard” indicator progesterone finds even silent heats.

- It also provides your vet and advisors with new, detailed information that enables them to give you faster and even better service.
- It improves efficiency in daily tasks and reduces time and labour in work routines.

Combined peak competences

Herd Navigator™, the first product of the FOSS & DeLaval Solutions brand, has been developed by FOSS A/S and DeLaval International AB, in close co-operation with the Faculty of Agricultural Sciences at Aarhus University and the Danish Cattle Federation. Each party contributes their specific expertise:

- Dedicated analytic solutions for milk and dairy products.
- Development, sales and service of milking equipment and other farm equipment for dairy farmers.
- Training, education and advisory services for dairy farmers are provided by a local advisory organisation.

“Herd Navigator helps us to identify exactly which cows need special attention.”

Testimonial



Ole and Anette Lind
Jutland, Denmark

We believe that Herd Navigator lives up to our expectations, especially for heat detection.

We get a good pay back on our time. Just the fact that we are not running around looking for heats in 300 cows – it saves a great deal of time. With Herd Navigator it takes no more than 10 minutes for me to check the whole herd for heat. And we have successfully inseminated a number of cows where we did not see any visual heat signals. Herd Navigator pointed them out – and the inseminator confirmed that the cows were in heat. We would never have found these cows before.

Herd Navigator helps us to identify exactly which cows need special attention. This saves us time because we can focus our attention on the cows that really need it.

We thought it was incredibly easy to learn how to use the Herd Navigator system.

Our veterinarian thinks that the system is exciting, and he has also learnt some things from the system, e.g. treating cows for ketosis before we see any physical signs. And he can link up to the system from home so he is well prepared before he comes to the farm. That is a great help.

We cannot imagine living without Herd Navigator today. That is impossible.



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