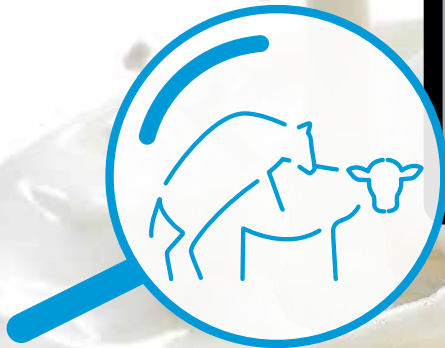


# AfiAct II™

The next-generation solution  
for the most accurate heat detection



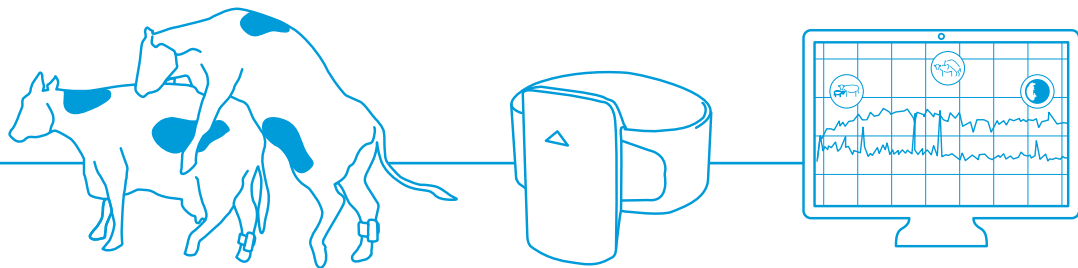
**m**  
**milkplan**®  
FARMING TECHNOLOGIES

**afimilk**®  
Vital know-how in every drop



# AfiAct II

The next-generation solution for the most accurate heat detection



Good fertility management means that cows calve at optimal intervals to maintain milk production at the highest possible level.

Years of research and field experience have demonstrated the strong, direct correlation between the timing of estrus and the cow's increased walking activity. Based on this research, the AfiMilk team developed AfiAct, the world's leading automatic heat detection system.

## **How to increase the pregnancy rate and reduce the overall fertility cost per cow?**

Measuring the walking, resting and standing activity of milk cows and heifers, AfiAct's methodical sensor technology and system

provide round-the-clock monitoring (with "eyes that never close"), resulting in heat detection rates that are both higher and more precise than traditional methods.

**Better heat detection leads to higher pregnancy rates and fewer open days; saves labor and drug costs; saves on observation, pregnancy checks and hormone treatments.**

**"...with AfiMilk we are able to do a lot better job breeding our cows,"** says Brian Houin from Homestead Dairy (Indiana, USA), whose herd has **over a 28% pregnancy rate.**

# Automated heat detection saves you money

AfiAct II vs. visual observation and AfiAct II + OvSync =  
**Savings between \$100 to \$150 per cow, per lactation.**



## For the most accurate heat detection

Based on the widely used AfiAct technology, the next-generation AfiAct II sets a new standard for heat detection accuracy and sensitivity.

The AfiAct II system combines **extremely high sensitivity and very few false alerts** to detect animals in heat that others solutions miss.

- Collects and updates activity and behavior data all the time
- Indicates decrease in activity (lame or sick cows)
- Provides early detection of anestrus, abortion and cyclic disorders
- Records history of heat patterns throughout cow's entire life
- Provides fertility indexes, conception rate per bull and per inseminator



# The AfiAct II system at work



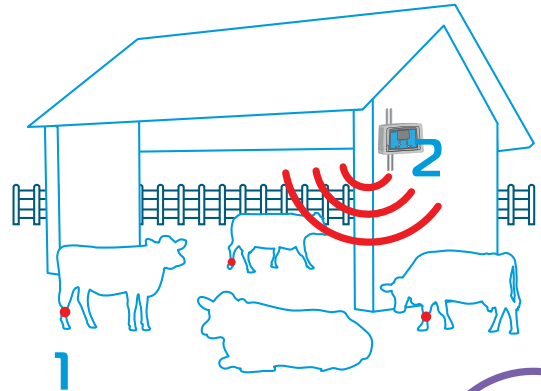
## 1 AfiTag II

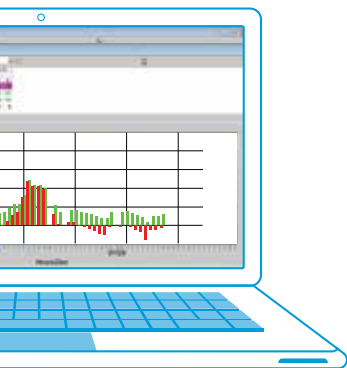
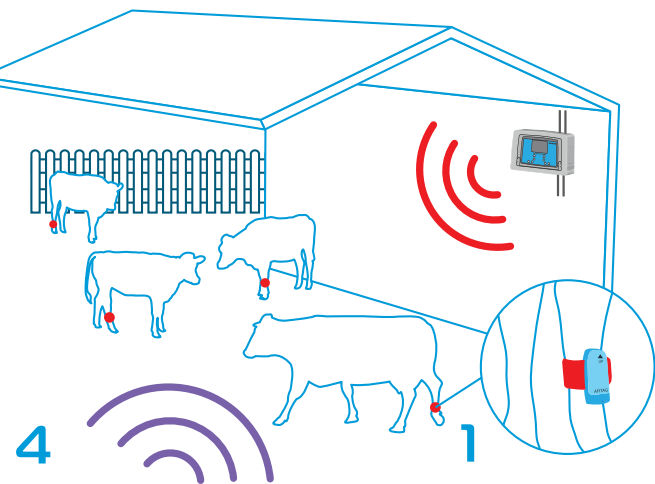
AfiTag II devices attach to the animal's leg for accurate measurement of walking/resting/standing activity. Every 15 minutes (user configurable), AfiTag II sends updated activity data wirelessly via the AfiAct II Reader to the AfiFarm herd management software.





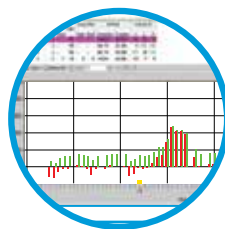
## 2 Reader

The AfiAct II Reader installed in the barn communicates and captures data wirelessly from the AfiTag II devices attached to the animals (whether they are inside or outside the barn).





-  Long-distance RF network
-  Wi-Fi network



### 3 AfiFarm software

AfiFarm herd management software analyzes sensor data to generate reports (cows to be bred, anestrus and abortion). Data can also be accessed on any Web-enabled device 24/7/365.



### 4 Standard Wi-Fi technology

Standard Wi-Fi technology and connections from the farm office to the AfiAct II Reader in the barn or yard provide straightforward installation and easy operation.

## AfiAct II system highlights

The next-generation automatic heat detection system significantly improves pregnancy rates, fertility performance and reduces operating costs.

### Most accurate system on the market



Highest heat detection rate, lowest rate of false alerts



Results updated every hour



Collects behavior data anywhere on the farm — up to hundreds of meters

### Simple, easy installation



Off-the-shelf Wi-Fi router



No need for network cabling

## The highly scalable, adaptable system



Supports any herd size — up to tens of thousands of cows



Integrates with AfiMilk's farm and milking parlor management system



Accessible from the Web on any type of device — smartphone, tablet, laptop



Available as a standalone system

**AfiAct II** significantly improves pregnancy rates and fertility performance and reduces operating costs.



## About AfiMilk

AfiMilk is the global leader in developing, manufacturing and marketing advanced computerized systems for the modern dairy farm and for herd management. Since 1977, AfiMilk has been a pioneer in the field, with the introduction of the first electronic milk meter. Since then, based on its strong research and development group, the company has continued to provide cutting-edge solutions for the milking parlor.

The company's systems are installed and in use on thousands of farms in 50 countries across five continents. With hundreds of thousands of milk meters and millions of behavior sensors installed, AfiMilk sets the standards for dairy farming and management around the globe.

In today's market, improving fertility is a must.  
**With AfiAct II, you can actually do it.**



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