

AfiAct™



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Automatic Heat Detection

Round the Clock Monitoring

For every dairy farmer, the primary objective of good reproductive management is to assure that cows calve at optimal intervals and maintain lactation at peak levels of efficiency. A successful breeding program enhances profitability by maximizing the time that cows spend in the most productive period of lactation. First and foremost, timed breeding and high fertility rates demand accurate cow-heat detection.

In more than 25 years of research, it has been demonstrated that there is a direct and strong correlation between the timing of estrus and increased walking activity of a cow. Based on this research, **AfiMilk** team has developed **AfiAct** heat detection to perfection, thus the first commercial pedometer for estrus detection has been launched.

AfiAct is an automatic system with detection rates that are superior to traditional methods such as visual observation or tail chalking. **AfiAct** is a methodical, systemized technology that can monitor cows around the clock with "a pair of eyes that never close." The dairy operator needs no more than a few minutes each day to identify those animals eligible for breeding.



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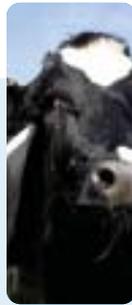
The Heart of the Dairy Farm

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○ Product Options

AfiAct is based on the data collected from an ID pedometer attached to the cow's legs. Dairies that use AfiMilk's integrated system for monitoring milk production already enjoy the built-in benefits of **AfiAct**. However, **AfiMilk's** product mix makes **AfiAct** available as a modular, stand alone system as well.



Milking cows

Some dairy owners decide to install **AfiAct** for heat detection to later build on it to the comprehensive **AfiMilk** system.

This upgrade makes full use of the pedometers and other components that are purchased with **AfiAct**.



Heifers

AfiAct provides high rates of heat detection for virgin-heifer groups. Installed side by side with **AfiAct** for milking cows, **AfiAct** thus provides full coverage of heat detection on the farm.



Grazing Milk Cows

AfiAct is used effectively for grazing cows. Pasturing cows walk long distances; change grazing fields frequently, sometimes graze during the day and are confined to pens at night. **AfiAct** incorporates unique technology for neutralizing these variations, resulting in high success rates of heat detection under difficult conditions.



AfiAct provides additional benefits

- Alerts for cow that fails to show signs of heat
- Alerts for possible abortions (heat signs for pregnant cows)
- Indicates decrease in activity (lame or sick cows)

