

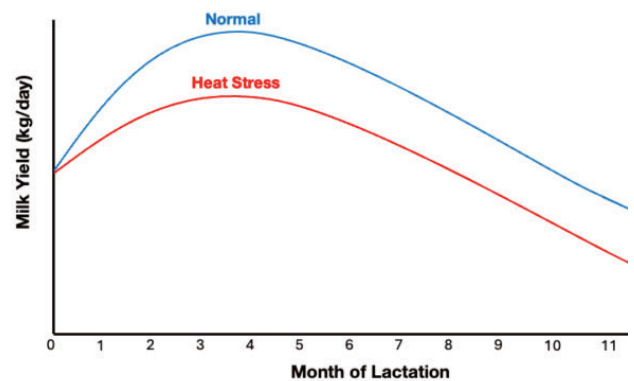
# Smarter Cooling for Happier, More Productive Cows

JULY 2025

Innovative, sensor-driven cooling designed to reduce heat stress and integrate seamlessly into your barn.

## SMART COOLING FOR HEALTHIER, MORE PRODUCTIVE COWS

Heat stress lowers milk production, reduces feed intake, and increases health risks such as lameness or weakened immune responses. Our smart, sensor-driven spray system activates only when cows feed, providing targeted cooling to keep them comfortable, healthy and productive. This decreases heat stress by maintaining an optimal body temperature, which in turn maintains peak production by encouraging increased feed intake and higher milk output. It also improves cow comfort, allowing for improved rest by reducing heat-related stress. Utilizing smart soaking, it reduces water usage, minimizing waste while keeping cows cool. This supports both herd performance and your bottom line.



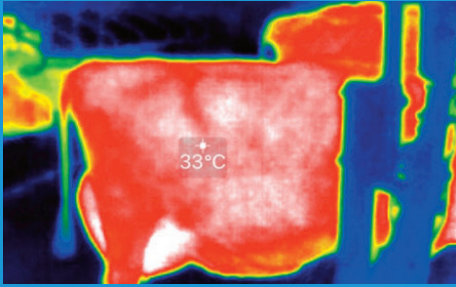
## HOW IT WORKS

The system is designed for automatic activation—the sprinkler turns on when a cow enters the feed front, delivering targeted cooling on her shoulders and back when it's needed. The smart, sensor-driven system follows a progressive spray cycle to ensure cows remain cool and comfortable throughout the day.

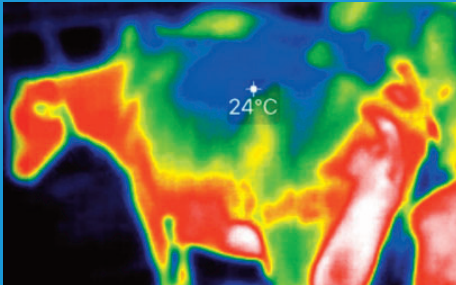


## SEE THE DIFFERENCE: SMART COOLING IN ACTION

Thermal imaging tells the story—before cooling, cows experience excessive heat buildup, leading to discomfort, reduced feed intake, and lower milk production. After just one spray cycle, core body temperatures drop, allowing cows to stay cool, comfortable, and productive.



Before Spraying (33°C) – Elevated body temperature shows the impact of warm conditions.



After Spraying (24°C) – The significant temperature drop ensures cows remain at optimal comfort, reducing heat stress and enhancing milk production.

## SMARTER COOLING – UP TO 70% WATER SAVINGS!

Cows visit the feed bunk about 10 times per day, spending 30 minutes per visit (5 hours total). The sprinkler runs for 5 minutes and 51 seconds per visit, for a total 58.5 minutes per day.

With our 1 GPM nozzle covering 2 cows, water usage is 29.25 gallons per cow per day. Studies show this method achieves **up to 70% water savings** compared to a system on a timer.

## KEY FEATURES

- **Sealed & Washable Unit** – Fully enclosed electrical components for protection and easy cleaning.
- **Tool-Free Maintenance** – Quick-connect water and power hookups for fast servicing.
- **Smart & Adjustable** – Customizable height, location, and spray distance to fit any barn setup.
- **Plug & Play Operation** – Simple installation with pre-programmed software.
- **Sensor-Driven Precision Spraying** – Automated activation based on temperature settings.
- **Independent Wireless Control** – No internet required; sprayers communicate via built-in WiFi.
- **Strong & Secure Design** – Stainless steel mounting hub with bottom plate for durability and cow safety.
- **Double-Sensor Precision** – One unit can effectively cool two cows independently.

## SPRAY CYCLE SUMMARY

The spray cycle is completely customizable for your barn.

### Default cycle:

#### Pre-overtime cycle (11 minutes 5 seconds total):

- Initial soak (60 seconds) → Off (90 seconds)
- 2nd soak (40 seconds) → Off (120 seconds)
- 3rd soak (30 seconds) → Off (120 seconds)
- 4th soak (25 seconds) → Off (180 seconds)

#### Overtime loop (repeats indefinitely):

- Soak (25 seconds) → Off (120 seconds)

#### Total Spray Time:

- In 30 minutes: Approximately 5 minutes 51 seconds
- In 45 minutes: Approximately 8 minutes 26 seconds

## SPRAYER HEIGHT OFF SCRAPE ALLEY

