

Dairylens: AI-enabled
decision support delivering
measurable time savings,
improved farmer well-being,
and reduced environmental
footprint in dairy systems



Dairy Lens SrL · Via Santa Chiara 17, 09092 Arborea, Italy

THE DAILY REALITY

«I have data, but
no time to analyse it.»

— dairy managers, in their own words





THE REAL BOTTLENECK

Not a data problem. A decision time problem.

The questions have always existed. The answers took hours of skilled analysis — so intervention arrived late, or never.

Raw farm data → an action list, in seconds.

01

Multi-source ingestion

Milk recording, SCC, fat, protein & urea, repro events, BCS, feed rations, field maps — any format.

+ Climate THI heat-stress maps · 7-day forecast

02

AI synthesis layer

LLM-based analysis reads cross-domain signals together, surfacing interactions no single report would reveal.

+ Benchmark herd KPIs vs regional baselines

03

Structured outputs

A prioritized action list, quantified impact estimates, and contextual explanations across health, nutrition & reproduction.

+ Transparency built on validated science

IN ACTION

From raw SCC data to a ranked action list — in seconds.

1. Every animal scored by urgency
2. Mastitis + acidosis + urea read together
3. Three plain-language next steps

PRIORITY ACTION LIST · HERD #04

RANK	FARM NO.	SCC K/ML	MILK KG/D	KEY ALERTS
1	654	1,539	11.6	Chronic mastitis · High LS
2	1026	1,067	8.5	Chronic mastitis · High LS
3	028	321	7.6	SCC high · low urea
4	678	—	43.0	High LS · low urea · acidosis
5	596	—	7.4	Lowest producer · High LS



THREE POINTS TO ACT ON

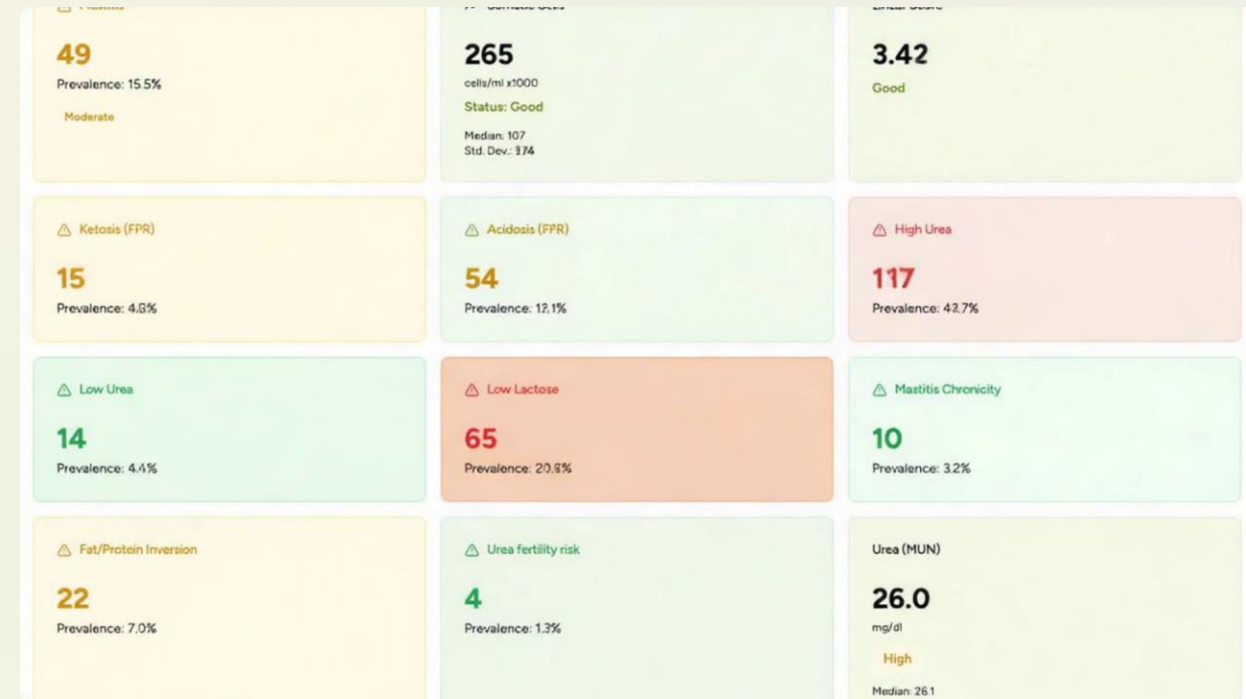
1. Cows 654 & 1026 are urgent — SCC above 1M in dry cows. Do not wait.
2. Cow 678 needs a confirmed SCC before any final decision.
3. Check pregnancy status on cows 596 & 028 before culling.

THE PRODUCT

Every indicator on one screen.

Mastitis, somatic cells, ketosis, acidosis, urea, lactose and fertility risk — read together and color-coded by severity, the moment a test lands.

No dashboards to build. No reports to cross-reference.



ASK YOUR FARM ANYTHING

A barn that answers back.

- Answers based on your specific farm data
- Simple language, no complex dashboards
- 24/7 — answers at 11 PM, not next week

Which cows should I check first today?

Start with **654 and 1026** — chronic mastitis, SCC over 1M. Confirm 678's SCC before deciding, and check pregnancy on 596 & 028 first.

Why is herd urea high this week?

Protein oversupply in the current ration — 20% of samples show excess. Trimming it cuts nitrogen waste without touching yield.

An alert three weeks late isn't a slow alert. It's a missed intervention.

TRANSITION COW · 5–40 DIM

The performance window

Miss the first test-day and the whole lactation trajectory is set — repeating in **54%** of underperformers.

METABOLIC HEALTH · 0–100 DIM

The intervention window

Risk caught at this stage prevents milk loss averaging **0.6 kg/day** across the full lactation.

KETOSIS RISK · 0–42 DIM

The critical window

High-risk cows are **3×** more likely to fall in the worst percentile — and only cross-domain data catches them.

WHY IT MATTERS

The value is in the timing, **not just the insight.**

1 Time is a production input

Hours spent parsing reports are hours not spent intervening.
DairyLens reassigns them.

2 Speed changes the decision

Cross-domain signals read together, before the window closes

From today's snapshot to mid-range scenarios.

The same cross-domain model that reads today's data projects it forward — simulating how the herd is likely to evolve weeks ahead, so decisions land before the trend sets.

01

Production trajectory

The expected yield curve under current management — and how it shifts the moment you intervene.

02

Health & risk horizon

Where ketosis, mastitis and fertility risk are heading — weeks before the clinical signs appear.

03

Quality & footprint

Projected milk composition and emissions per litre — the PDO and sustainability view, ahead of time.

Test the decision **before you make it.**

Take a herd with a rising somatic-cell trend. The model projects each path 60 days out — so the trade-off is visible before, not after.

STAY THE COURSE



Loss compounds

SCC keeps climbing; the 0.6 kg/day gap widens across the whole lactation.

ACT THIS WEEK



Trajectory stabilises

Early correction holds the yield curve and caps the loss inside the first 60 days.

WAIT THREE WEEKS



Only partial recovery

The window is half-closed — most of the recoverable value is already gone.



dairylens

Smarter farms,
sustainable
future.

-35–50%

Less time on analysis

Q4 2026

Go to market

20+

Pilot farms in Italy

—

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