

Avidan Farm Case Study: Evaluating the Impact of APT Treatment Post-Calving

A comprehensive clinical evaluation measuring the efficacy of Acoustic Pulse Technology (APT) on post-calving milk production and somatic cell counts (SCC).



Milk Yield



Udder Health

259

Control Cows

Historical periods identical to treatment windows, without APT.

72 in L1 | 61 in L2 | 126 in L3+

320

APT Cows

Treated with Acoustic Pulse Technology post-calving.

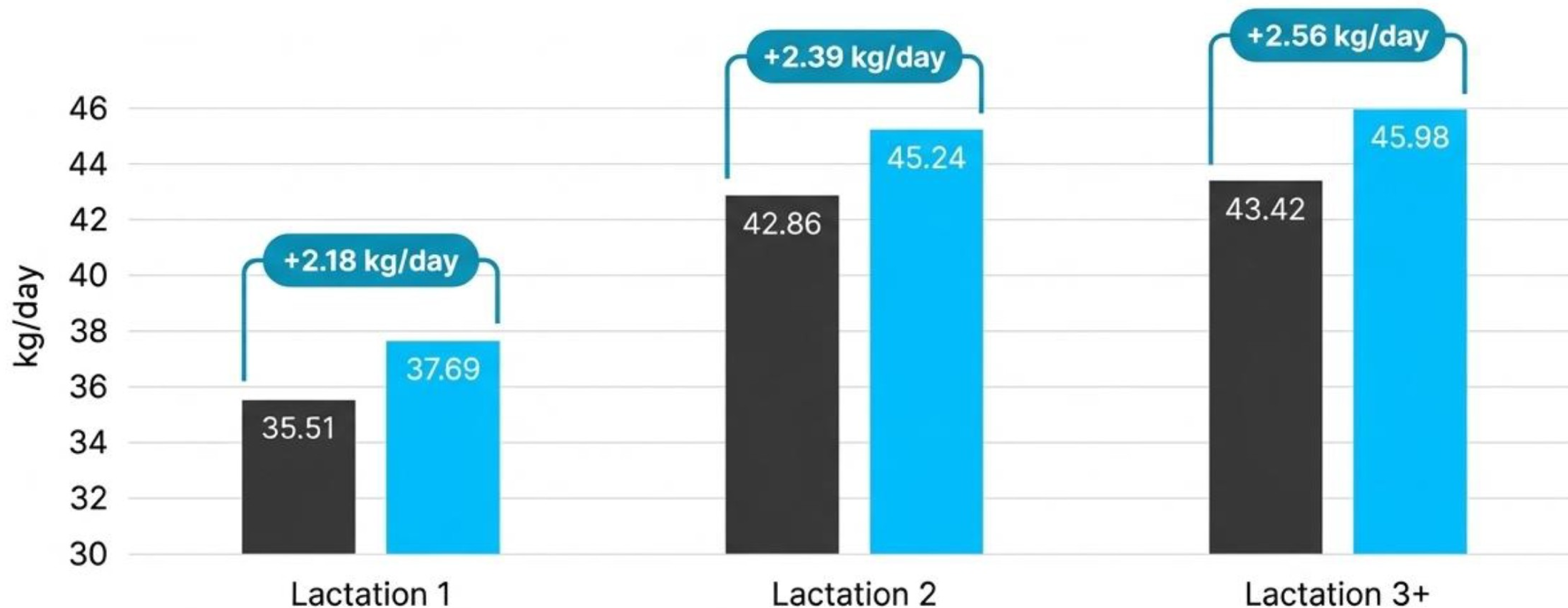
100 in L1 | 70 in L2 | 150 in L3+

3-Year Data Scope sourced directly from Noa Software.
Comparing identical biological windows across
Lactations 1, 2, and 3+.

Nov 2022

Dec 2025

Absolute Milk Averages: Consistent Daily Gains Across All Lactations



Translating to an average increase of ~830 kg of milk per 305-day lactation cycle.

Udder Health Transformation: Drastic SCC Reduction

-20%

Overall SCC Reduction across
the entire APT-treated herd.

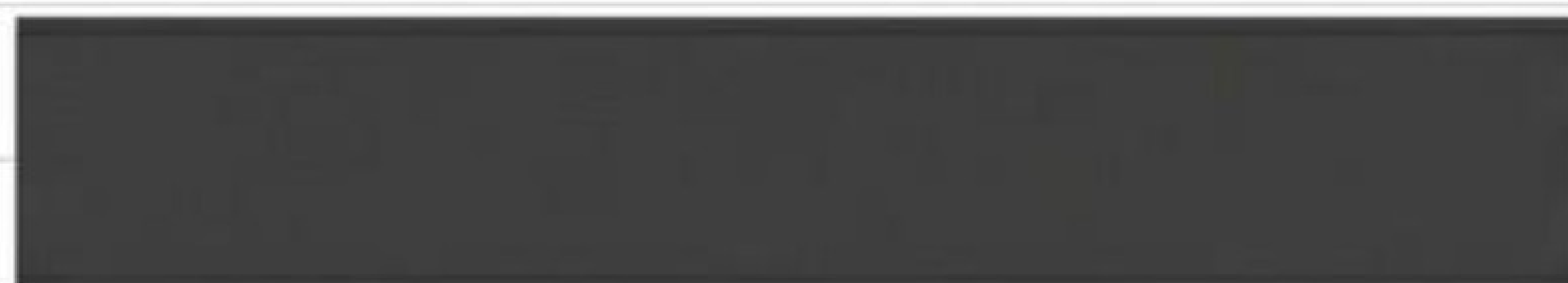
ARMEN^TA™
BeCowse We Care

-48.6% ↓

Lactation 2 SCC Drop (from 56,360 to 28,981 cells). Demonstrating a profound clinical effect on reducing inflammation and fighting infection during peak productive years.

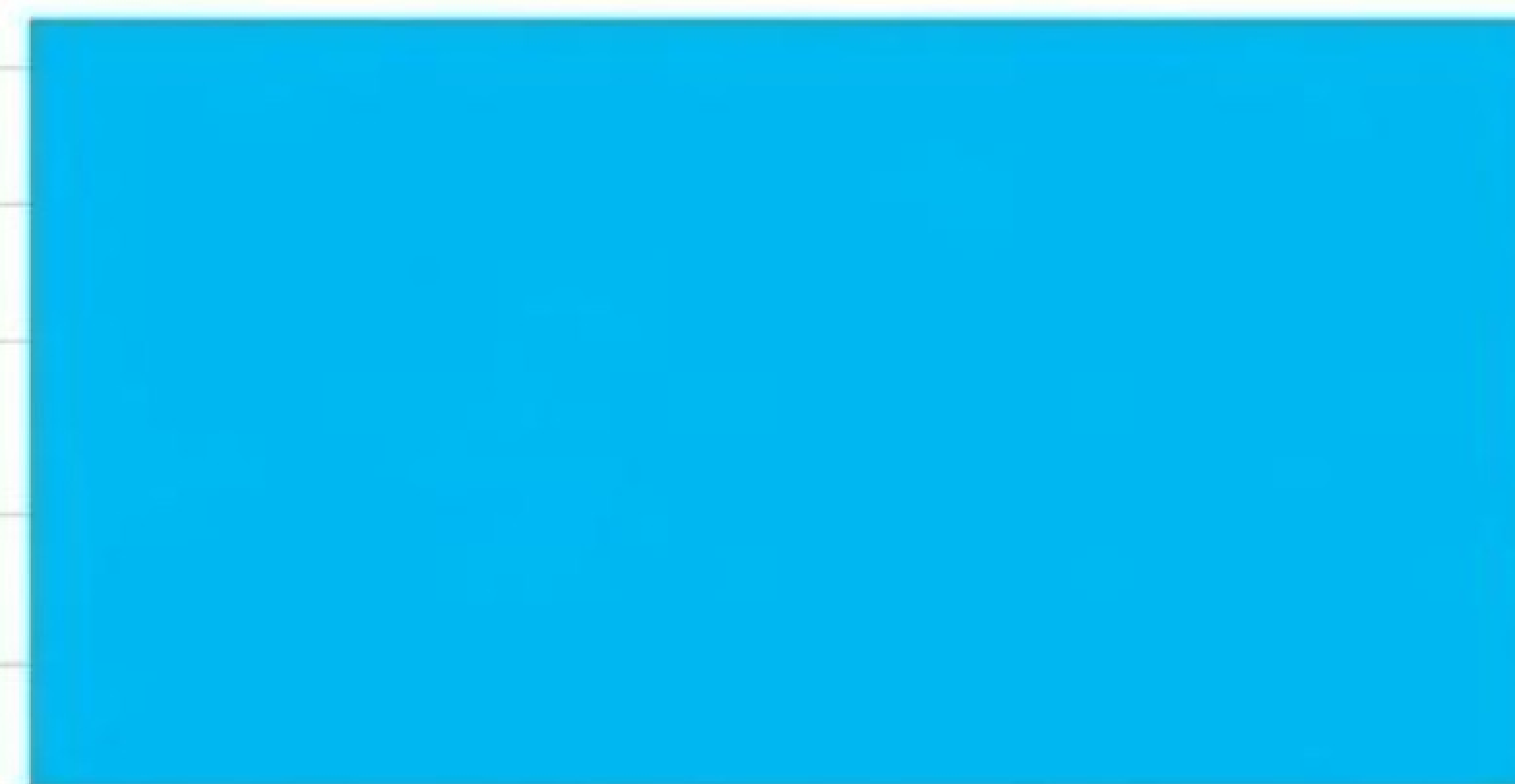
Contextualizing Growth: Avidan Farm vs. The National Baseline

2022–2024: 0 kg Growth.
2025: +370 kg per lactation.



National Dairy Yield Average

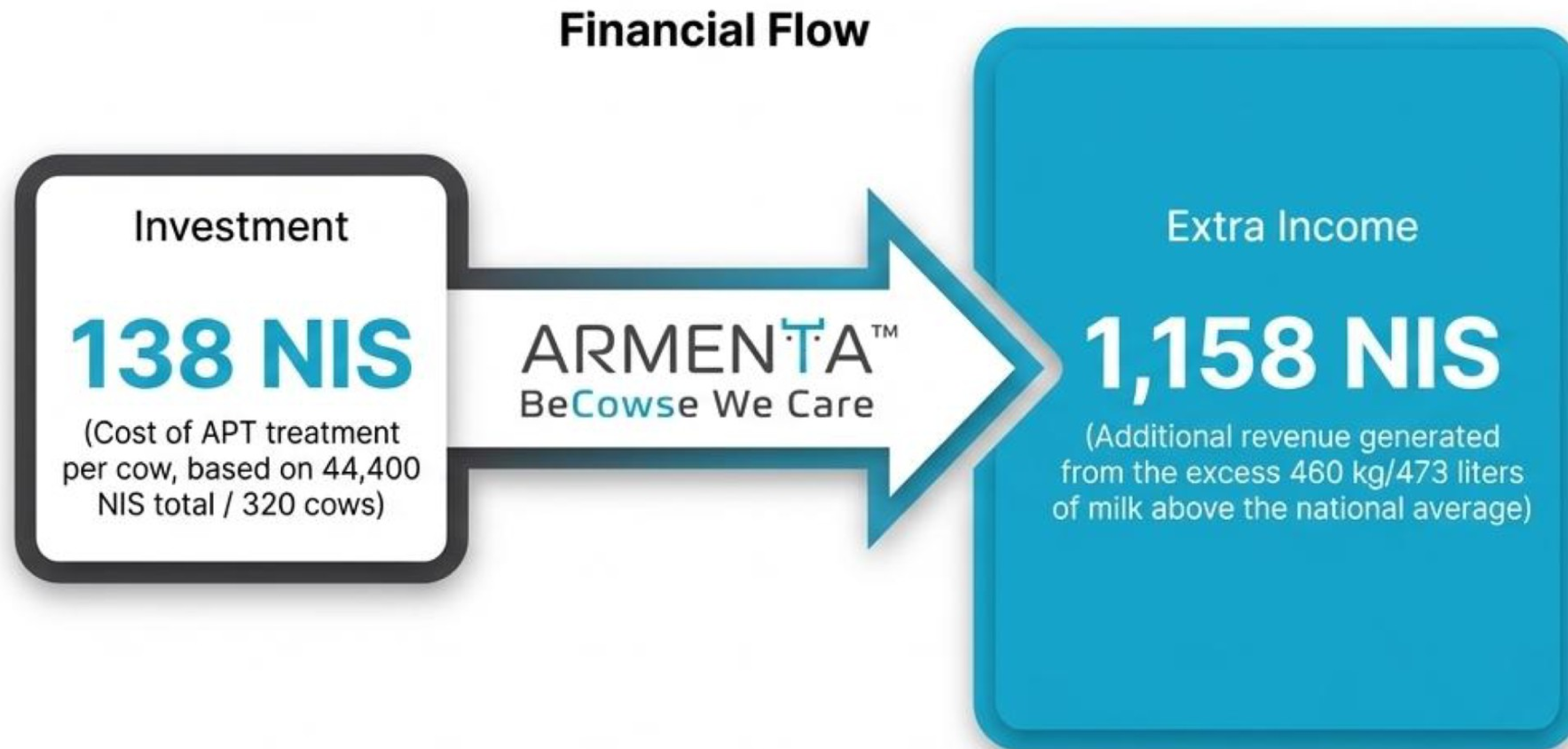
+830 kg per lactation



Avidan Farm APT Treated

Avidan's APT-treated cows outperformed the national baseline growth by nearly 2.5x. This isolates Acoustic Pulse Technology as the definitive variable driving herd success, completely independent of external environmental factors.

Economic Significance: The Bottom Line



8:1
ROI

The additional revenue generated by APT completely eclipses the marginal cost of treatment, delivering an immediate and outsized return on investment.