



# Ecolab® CIP IQ™

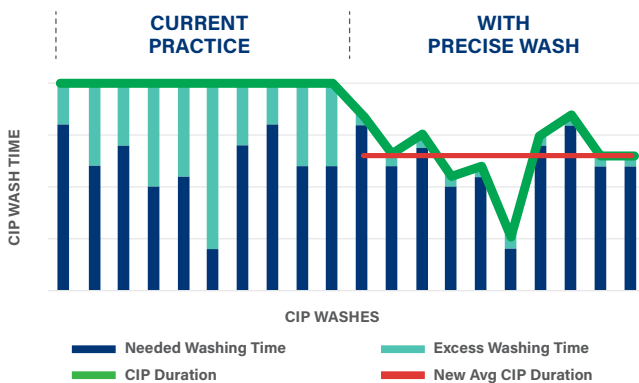
## Real-time soil load data powers optimized CIP wash cycles

Introducing Precise Wash, an AI-enhanced module within Ecolab® CIP IQ™ that helps dairy processors dynamically optimize the duration of their CIP washes.



### Washes driven by hard data, not guesswork.

Using real time soil data from advanced turbidity sensors, Precise Wash helps you fine-tune every CIP wash – per line, per cycle. Reduce the risk of under- or over-washing.



### A thorough wash that maximizes both efficacy and efficiency

Precise Wash's AI-enhanced algorithms use data from advanced sensors to monitor the alkaline wash step and understand when soil is no longer actively being removed, which allows you to advance to the next step at the right time with the confidence that the wash was completed.



## Optimization in action

### Identify Core Equipment



Focus on capacity-constrained lines and units

### Install Advanced Sensors



Collect new data on how much soil is suspended or actively being removed in the CIP wash solution

### Generate CIP Wash Baseline



Gain a precise understanding of your system to unlock smarter, more efficient cleaning cycles

### Deploy Precise Wash



Save time by optimizing CIP washes with real-time soil load data

### Enjoy the Benefits of Streamlined CIP Washes



Easily visualize savings and optimizations through personalized charts, graphs, and reports

## Precise Wash results when optimizing CIP alkaline washes\*



**\$92K worth of additional annual production output<sup>1</sup>**



**20% reduced alkaline wash time**

## Extending the power of Ecolab® CIP IQ™

CIP IQ offers advanced modules that enhance operational visibility and optimize cleaning times, helping you boost production efficiency and throughput.

### CIP IQ

With Ecolab Virtual Agent 

Track Sanitation Standard Operating Procedures (SSOP), adherence and monitor CIP wash data to support compliance, quality, and sustainability efforts.



### Precise Wash Module

Smarter CIP wash cycles, guided by your soil load data



### Membrane Insights Module

Real-time visibility into membrane efficacy

## Ready for a smarter CIP wash powered by real-time data?

Contact your Ecolab representative today to learn more.

[ecolab.com/precisewash](https://ecolab.com/precisewash)

\*Based on average results from dairy sites, which are specific to those individual sites when full Ecolab recommendations for optimizing CIP alkaline washes were implemented. Results will vary for other sites based on factors and circumstances in their operations.

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