



TRIMETA® CLEANING PROGRAM FOR FERMENTATION

A PATENT PENDING CLEAN-IN-PLACE PROGRAM THAT HELPS OPTIMIZE ETHANOL YIELD

Trimeta Cleaning Solution is a **BETTER CLEANING OPTION***

**compared to existing commodity chemicals*

Trial Customers experienced:



INCREASED ETHANOL OUTPUT



IMPROVED CLEANING



BETTER CHEMISTRY COMPATIBILITY

Additional Benefits Include:

- Reduced lactic acid, acetic acid and glycerol levels
- Lower drop sugars

Trimeta Cleaning Program is Complete Clean-in-place

- Designed to **remove organic and inorganic soil** in a CO2 rich environment
- Compatible with Carbon Steel Components and helps **inhibit corrosion**
- **Lower volume of chemicals** recycled into fermentation
- Part of **Ecolab's total plant CIP offering**
- The product components have been assessed and determined to be generally **recognized as safe (GRAS)** for use in animal feed

Program Includes:

TRIMETA ADVANCE BUILT ALKALIINE

TRIMETA DYNAMIC DETERGENT BOOSTER

TRIMETA ARMOR FINAL RINSE

You have optimized everything else, now optimize your Clean-In-Place System with Ecolab's Trimeta Cleaning Solution

Trimeta Cleaning Solution Drives Higher Production & Lower Costs

ETHANOL YIELD ENHANCEMENT

- Patent pending process reduces stressors to drive higher ethanol yield
- Average ethanol output increase is 0.2-0.4%

INGREDIENT REDUCTION

- Cleaner operations require less Antibiotics
- Reduced caustic/alkalinity decreases need for sulfuric acid pH adjustments

MANUFACTURING SAVINGS

- Reduced water and gas usage
- Standardized controlling and dispensing
- Inhibited corrosion

ECOLAB ADVANTAGE

- Full Portfolio of Products
- Clean in place and Service Expertise

Contact your **ECOLAB REPRESENTATIVE** for more information or call **1 800 392 3392**

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