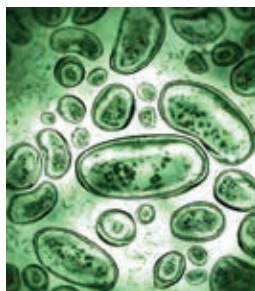


# Ethanol Solutions



Hydrite's ethanol products are GRAS for animal feed, FSMA compliant, and proudly made in the U.S.A.

## Defender Series



### Defender L310:

Antibiotic free antimicrobial effective against gram positive & gram negative bacteria

#### Features

- Effective at low dosages
- Approved for use in beverage ethanol

#### Value Proposition

- Reduction in antibiotic use and potential for an antibiotic free operation
- Promotes metabolic activity

## Antibiotics

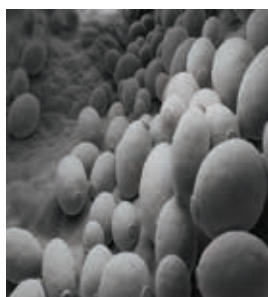
Value added antimicrobial technology used to combat bacteria

#### Features

- Tackles gram positive & gram negative bacteria
- FSMA compliant and GRAS approved for use in animal feed

#### Value Proposition

- Improves operational efficiencies and decreases use costs
- Unique packaging from Archangel improves employee safety and product yield



### Defender YVE-013:

Yeast vitality enhancer used to promote yeast growth & decrease yeast stress

#### Features

- Liquid injected into yeast propagation
- Low dose treatment less than 500 PPM

#### Value Proposition

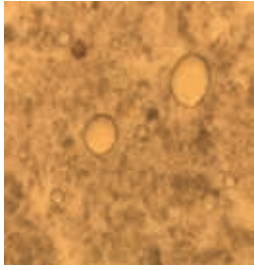
- Replaces yeast nutrient packages
- Measurable results
  - Decreased glycerol
  - Increased vitality

Providing Creative Solutions



# Providing Creative Solutions

## Hydri-Maize Series



### Hydri-Maize Demulsifiers:

Unique liquid formulations designed to increase distiller's corn oil production

#### Features

- Special formulations designed to reduce unit operations scale
- Produces cleaner oil

#### Value Proposition

- Increased corn oil recovery
- Decreased use cost

### Hydri-Maize Catalyzed Bisulfites:

Concentrated blend of bisulfites used for VOC abatement in CO2 scrubbers

#### Features

- Drop in replacement for current bisulfites
- Faster kinetics resulting in rapid VOC reduction

#### Value Proposition

- Yeast nutrient rich bisulfite blend that reduces carbon dioxide scrubber VOC's
- Decreased material handling
- Reduction in hydrogen peroxide consumption



### Hydri-Maize SAR product line:

Acid & chelator liquid formulation designed to replace sulfamic acid crystals

#### Features

- Pound for pound replacement of sulfamic acid
- Easily applied to the process

#### Value Proposition

- Safer than sulfamic acid crystals:
  - Better ergonomics
- Highly cost-effective acid cleaner

### Hydri-Maize Scale Control 200:

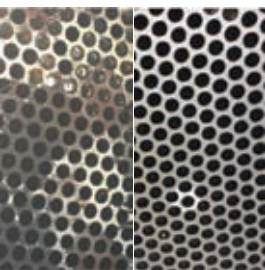
Injected into evaporators to prevent scale formation & improve heat transfer

#### Features

- Prevents hard mineral scale formation in unit operations
- Triple-acting scale prevention through chelation, dispersion, & threshold inhibition

#### Value Proposition

- Reduction in sulfuric acid consumption
- Improved heating efficiency and water balance control



### Hydri-Maize CIP 3421 and HC2759:

Injected into evaporators to remove protein & mineral scales

#### Features

- Hydroxyl free radical extreme cleaning
- Persistent foam suppression
- Reduce cleaning times

#### Value Proposition

- Improves caustic cleaning
- Shortened CIP cycles and improves equipment run time

For more information:

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Phone: 262-792-1450

Email: [marketing@hydrate.com](mailto:marketing@hydrate.com)