

# AYF 1000™

## Yeast Nutrient Complex

AYF 1000 is a yeast nutrient for use in ethanol fermentations. It contains a proprietary blend of enzymes, inorganic nitrogen, organic nitrogen, and trace minerals to provide yeast with the correct nutrient balance for growth and reproduction.

### CHARACTERISTICS

Contributes higher levels of sterols and unsaturated fatty acids (important cell wall components)

- increases yeast budding

Maintains yeast in their rapid growth phase throughout more of fermentation.

- higher concentrations of more actively growing yeast
- produce ethanol faster
- consume sugars more efficiently
- leave less residual sugar at the end of fermentation
- produce more consistent fermentations with less variation

No adverse effects on co-products

- may improve consistency and composition by reducing residual sugars

### INGREDIENTS

Course brown powder containing enzymes, inorganic nitrogen, organic nitrogen, and trace minerals

### APPLICATIONS

AYF 1000 nutrient is used to enhance yeast health and is intended for use in fuel ethanol fermentations. This product contains urea and is not intended for use in beverage alcohol production.

### PACKAGING

Available in 25 kg (55.12 lb) boxes.

### DIRECTIONS FOR USE

AYF 1000 can be added to the propagator, to the fermentor at start of fill, or part way through the fermentation when yeast budding begins to decline. Use 239.6 g - 359.5 g per 1000 L (2 - 3 lb per 1000 US gal) in propagation or fermentation depending on solid levels

Contact your Lallemand Biofuels & Distilled Spirits Technical Representative for more details.

### STORAGE & HANDLING

AYF 1000 should be stored in a cool, dry area for maximum stability. For best results, do not store directly on the ground. When stored under these conditions, the product is stable for 18 months from the date of manufacture.

### PRECAUTIONS

Color may vary per batch, but in no way affects the performance of the product.