



**Springer Oenologie**

NUTRITION

## Bioferm® Equilibre\*

**\* The health package of your yeast!**

### DESCRIPTION

Bioferm® Equilibre is a complexe fermentation activator based on the synergie of organic & mineral nitrogen. Its formula was specifically studied to optimize its effects on yeast growth & yeast survival, making it a nutritional defence of choice against stuck or sluggish fermentations.

### PROPERTIES

#### IMPROVED ASSIMILATION OF NITROGEN COMPOUNDS

- With its diammonic phosphate (DAP) content making it rich in mineral nitrogen and its amino acid content that make it rich in organic nitrogen, the special formula of Bioferm® Equilibre improves the assimilation of mineral nitrogen compared to using DAP on its own. Bioferm Equilibre supplies 17mg/L of assimilable mineral nitrogen for a product dosage of 20g/hl.
- Bioferm® Equilibre decreases organoleptic deviation risques (volatile acidity, H<sub>2</sub>S) and helps the production of secondary alcohols and their esters.

#### SURVIVAL FACTORS SUPPLY

- Bioferm® Equilibre is rich in fatty acids & sterols which are necessary for yeast survival. One dose of 20g/hl supplies up to 13 mg/L of lipidique substance for the reconstitution of the cell membrane. This supply secures the integrity of the cell wall during the most stressfull fermentations : high alcohol degree, rarity of nutrients during the fermentation process....
- Bioferm® Equilibre naturally contains 0.6 mg/L of Thiamine for a supply of 20g/hl, being sufficient to increase 20% of the viable population and accelarate the fermentation of sugars.

#### SUPPORT & DETOXIFIING ROLE

- Rich in Springcell yeast cells, Bioferm® Equilibre enables must detoxification and plays a support role on very settled musts.

### APPLICATIONS

Bioferm® Equilibre is perfectly convenient to achieve a complete fermentation of all musts that are difficult to vinify : musts with a strong alcohol potential, very clarified musts, during sluggish fermentations or at restart of fermentation.

Bioferm® Equilibre is very easy to use, and recommended for cellars that do not want to fraction their nutrient supply : a single supply brings all the elements that are essential to the yeast's metabolism.

**FERMENTIS**

Division of S.I.Lesaffre

## DOSAGE

**Bioferm® Equilibre must be incorporated 24 hours** after the beginning of fermentation to play its nutrient role at a dosage of 15 to 20 g/hl.

When facing a must deficient in nitrogen (< 180mg/L) Diammonic phosphate may be added (10-30g/hl) simultaneously with Bioferm Equilibre or at mid-fermentation in case of difficult fermentations (gravity 1050-1040) at a dosage of 10-20g/hl.

**Warning : Bioferm® Equilibre cannot be legally used at a dosage superior to 20g/hl due to its high thiamine content. Users should also take into account diammonique phosphate content for their supplies of mineral nitrogen (DAP, Ammonium Sulfate).**

## COMPOSITION

Springcell yeast cell walls, partially autolyzed yeasts, Diammonic Phosphate, Thiamine.

## PACKAGING

Carton of 20 sachets of 500 g (Full box net weight : 10 Kg)

## GUARANTEE

**Bioferm® Equilibre** contains Springcell yeast cell walls and is thus vacuum packed to avoid possible organoleptic deviations due to oxydation.

Springer Oenologie guarantees an optimum storage of this product during 3 years in its original packaging at a temperature of maximum 20°C and in a dry place.

Springer Oenologie guarantees the product is conforming to the International Oenological Codex until it's Best Before End Date in the storage conditions mentioned above.

Springer Oenologie fermentation activators and ageing products are exclusively produced from natural yeast products. The Know-how of the Lesaffre group guarantees end users, high performing products as required by modern oenological applications.