

# Successful Yeast and Malolactic Bacteria Co-inoculation: Red Wine Vinification

## ► Why?

- Co-inoculating a must with yeast and malolactic bacteria accelerates the onset of malolactic fermentation (MLF) and makes it possible in difficult cases.
- This time savings can be decisive not only for fermenting quick turnover wines, but for limiting the risk of developing *Brettanomyces* and indigenous spoilage bacteria.

## Key Points



### ► ON WHICH MUSTS?

- Musts intended for early release red wines
- Musts with high risk factors : These wines are sensitive to microbial spoilage; the early presence of selected bacteria will reduce the risks of deviation
- Recurring cases of *Brettanomyces* contamination.



- **GOOD MANAGEMENT OF YEAST DEVELOPMENT.** Yeast protection and complex nutrition must be implemented to avoid stuck alcoholic fermentation (AF) and to promote MLF.



- **THERMAL CONTROL.** Excessively high fermentation temperatures are detrimental to both yeasts and malolactic bacteria.



- **AVOID EXCESSIVELY HIGH LEVELS OF POTENTIAL ALCOHOL** (>14%). Such wines present a greater risk of problematic AF completion.



- **AVOID EXCESSIVE SULPHITING.** The SO<sub>2</sub> rapidly kills malolactic bacteria. Yeast/malolactic bacteria co-inoculation should not be implemented if the harvest is contaminated.



## Co-inoculation for Red Wines

