



## Successful yeast/malolactic ferment co-inoculation: red wine vinification

### ► Why?

- Co-inoculating a must with yeasts and malolactic ferments accelerates malolactic fermentation (MLF) start-up or renders it possible in difficult cases.
- This gain of time can be decisive for manufacturing primer and/or fast turnover wines, but also for limiting the risk of *Brettanomyces* development and the development of indigenous alteration bacteria.

### Key points



#### ► ON WHICH MUSTS?

- musts intended for primer red wines or those requiring fast marketing;
- musts with a high pH (> 3,6): these wines are sensitive to microbic alterations; the early presence of selected ferments 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.



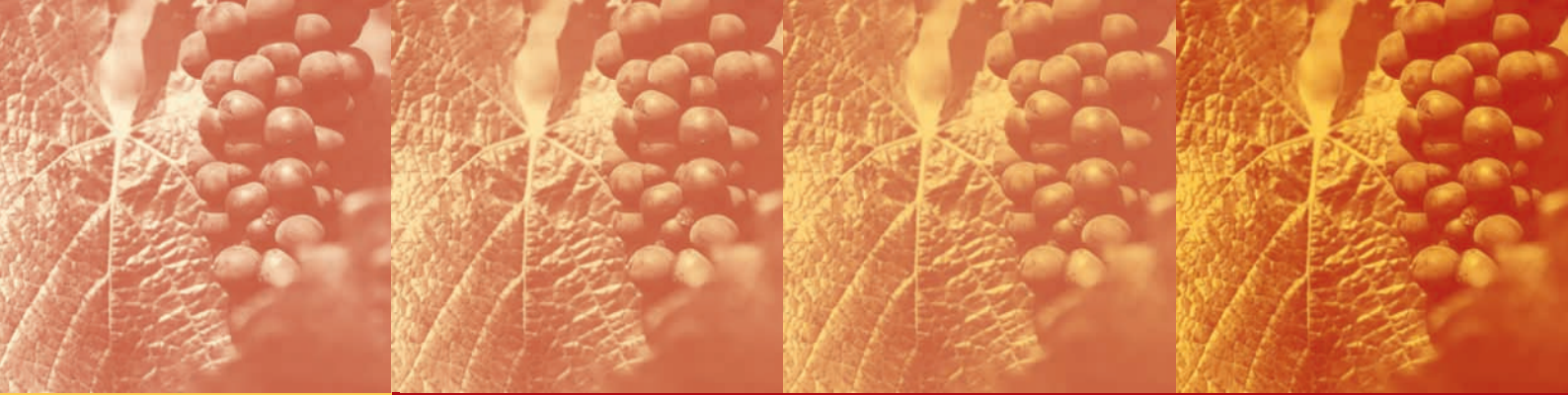
- #### ► THERMAL CONTROL:
- excessively high fermentation temperatures are detrimental both to yeasts and malolactic ferments.



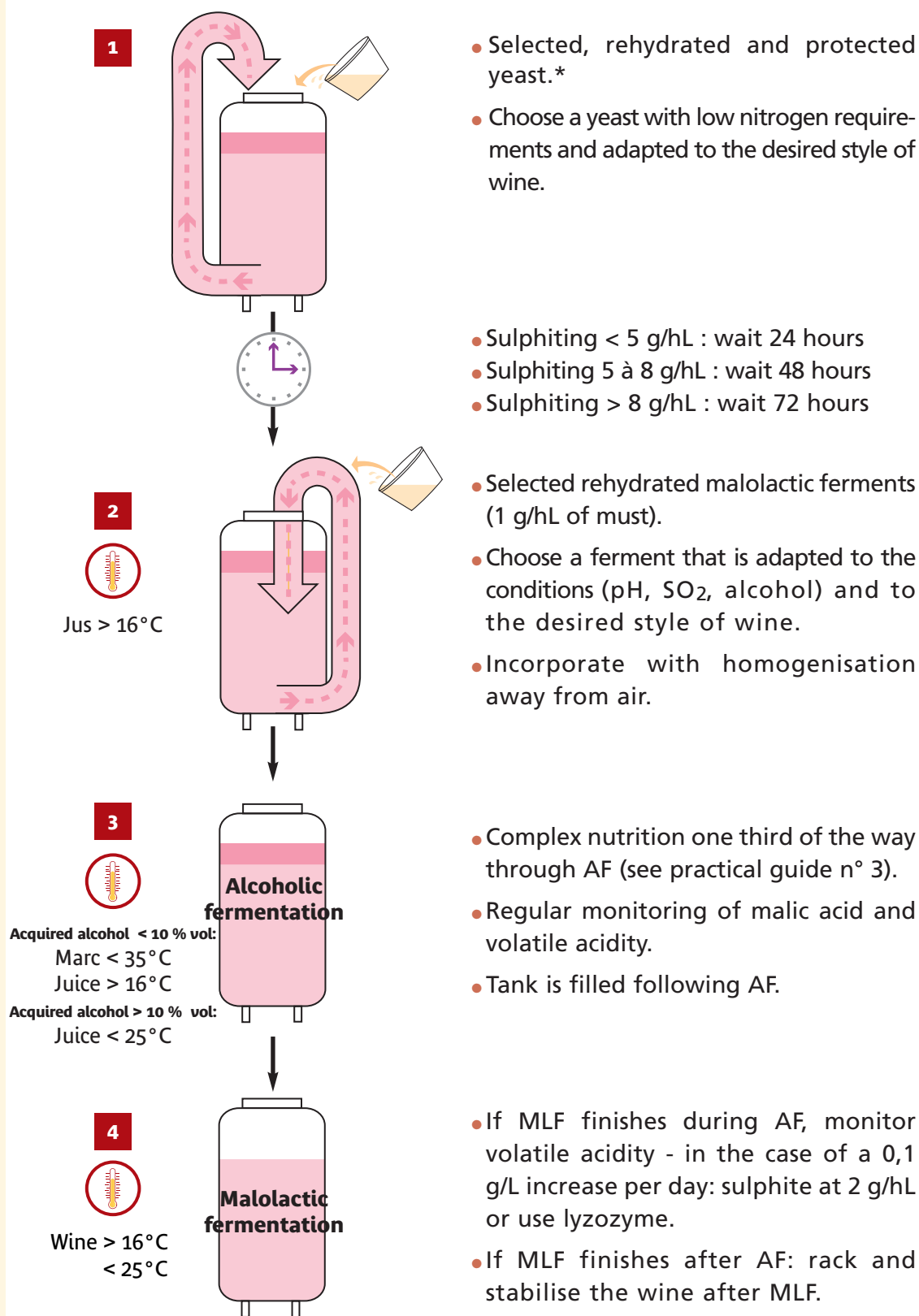
- #### ► AVOID EXCESSIVELY HIGH POTENTIAL ALCOHOL DEGREES (> 14 % VOL):
- these wines present more risks of problematic alcoholic fermentation completion.



- #### ► AVOID EXCESSIVE SULPHITING:
- the SO<sub>2</sub> rapidly kills malolactic ferments. Yeast/malolactic ferment co-inoculation should not be implemented if the harvest is contaminated.



## Co-inoculation for red wines



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\*For yeast rehydration and protection please refer to practical guides n°1 and n°2.