

ML RED BOOST™

SPECIFIC NUTRIENT TO SHORTEN KINETICS OF MALOLACTIC FERMENTATION IN HIGH MATURITY RED WINES

ML RED BOOST™ is a blend of specific inactivated yeasts rich in amino acids, polysaccharides and minerals, particularly suited for improving the resistance of our selected wine bacteria against the inhibitory effect of polyphenols.

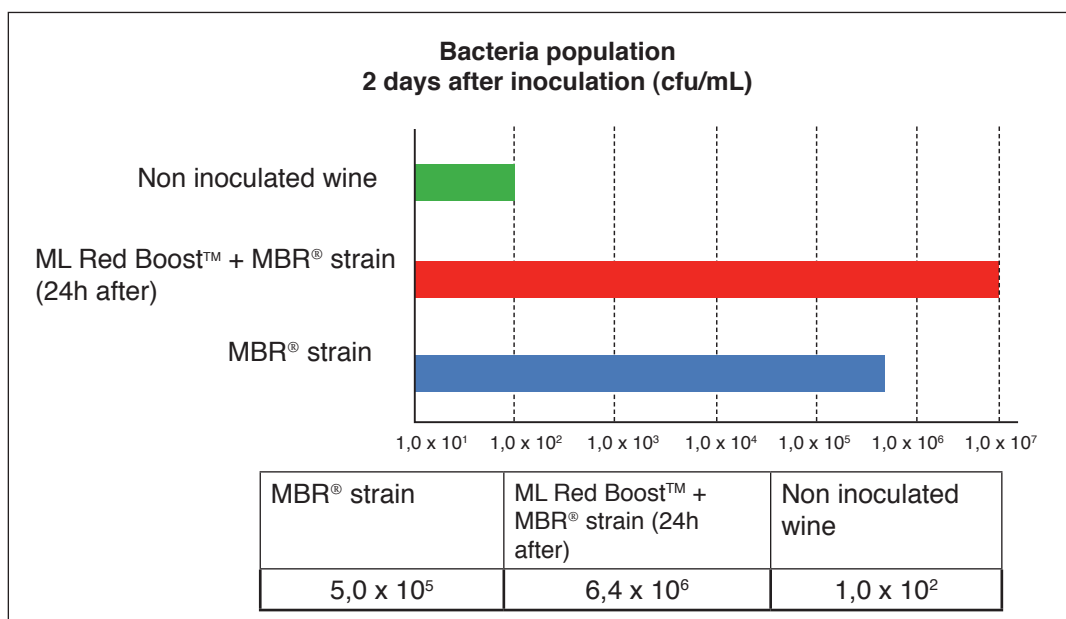
APPLICATION

ML RED BOOST™ has been specially formulated to be used in red wine to :

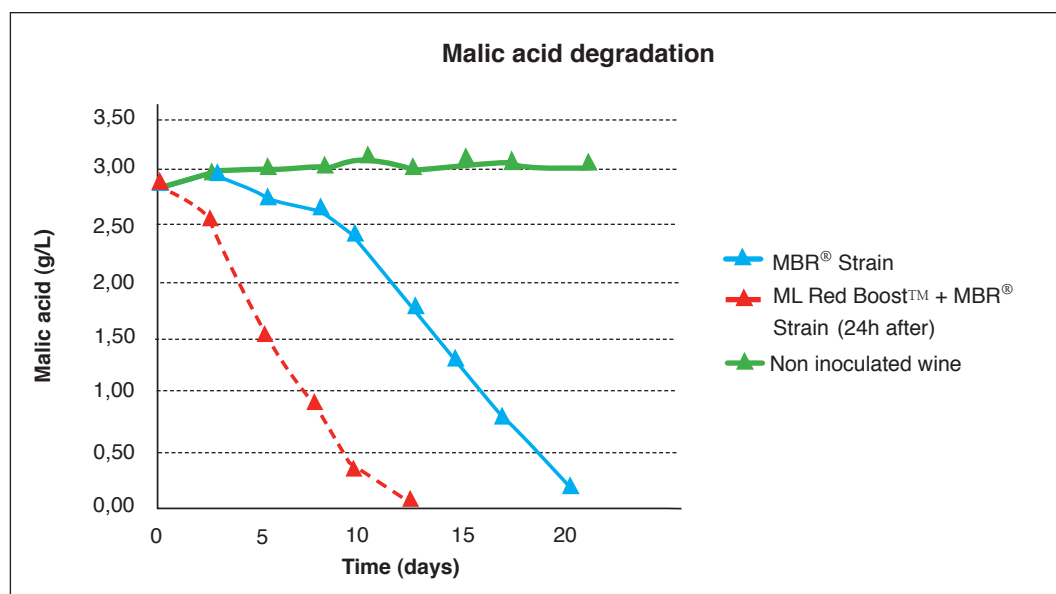
- Improve the resistance of our selected bacteria against the inhibitory effects of high content of polyphenols
- Compensate nutrient deficiencies in organic nitrogen and co-factors for the growth of selected wine bacteria.
- Shorten the Malolactic Fermentation (MLF) duration

ML RED BOOST™ is a malolactic fermentation nutrient specifically formulated from inactivated yeast fractions for the application of conducting malolactic fermentation (MLF) in challenging red wines with high maturity Malbec, Merlot, Syrah or Zinfandel wines. ML RED BOOST™ was developed by Lallemand after investigating lactic acid bacteria's specific nutritional requirements as well as the role of specific yeasts fractions that improved the resistance of wine bacteria against the inhibitory effects of high polyphenolic contents in red wines. The bioavailability of certain peptides strongly favor the growth of Lallemand selected wine bacteria and the quality of specific polysaccharides included in ML RED BOOST™ are particularly effective in reducing the MLF duration especially under challenging red wine environments.

The addition of *ML RED BOOST™* 24 hours before the bacteria inoculation improves the survival and growth of selected wine bacteria. In the example below (Tempranillo, Total Polyphenol Index=78, ethanol 14.3%, pH=3.8, total SO₂=22 mg/L, free SO₂=11 mg/L), bacteria population 2 days after inoculation is more than 10 times higher in the wine treated with *ML RED BOOST™* compared to the non-treated wine.



Added 24 hours before bacteria inoculation, **ML RED BOOST™** shortens MLF under challenging conditions by protecting bacteria and providing essential nutrients.



PACKAGING AND USAGE

ML RED BOOST™ powder is packaged in 1 kg sachets. The recommended dosage is 20 g/hL (1.6 lb/1,000 gal or 725g/1,000 gal) calculated on the final wine volume. **ML RED BOOST™** may be suspended to a small amount of water or wine and then add directly to the wine, 24 hours before adding the wine bacteria.

Maximum dosis (EEC) : 40 g/hL

STORAGE

When stored cool and dry in sealed packs, **ML RED BOOST™** maintains its effectiveness for at least 4 years. Avoid moisture and prolonged high temperature exposure

Distributor