



## WHY SHOULD I USE LALVIGNE BOTRYLESS?

**LalVigne BOTRYLESS** is a natural solution that has no safety period or maximum residue limit and minimizes the risk of losses due to Botrytis.

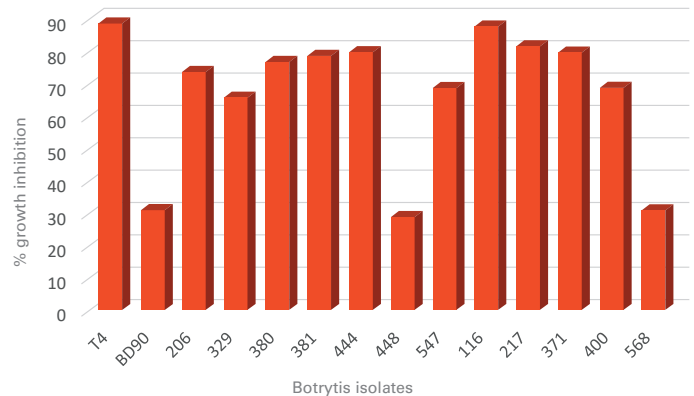
Under conditions of Botrytis attack, **LalVigne BOTRYLESS** improves bunch health, result in bunches with lower gluconic levels and higher yields. The increased yields, higher quality grapes, and subsequent wines improve the profitability of the grape grower.

### NATURAL SOLUTION FOR BOTRYTIS CONTROL

**LalVigne BOTRYLESS™** is a natural product with a dual modes of action for the control of Botrytis in grapevines. It directly prevents the growth of the fungus as well as activates the plant's defense mechanisms achieving high efficacy in the control of the disease.

*Botrytis cinerea* is a pathogenic and necrotrophic fungus responsible for the disease known as Grey Rot, which causes great economic losses in the wine industry year after year. It, deteriorates grapes, reducing yields and diminishing the quality of must and wines. It is one of the most damaging diseases in the vineyard, attacking all green organs but mainly the bunches. Under the right climatic conditions, especially high humidity, and moderate temperatures, it spreads very easily. **LalVigne BOTRYLESS** reduces the damage caused by this fungus, reinforcing the natural defenses of the vine, and limiting the spread of the infection.

### LALVIGNE BOTRYLESS



The graph above illustrates, which is the result of a test carried out by the University of Salamanca. It shows the effect of **LalVigne BOTRYLESS** on inhibiting the growth of different Botrytis isolates in Petri dishes with MEA culture medium. This % of inhibition, for most of the isolates studied, was higher than 60% and in many cases exceeded 70%. The fungistatic effect is only one of the ways in which **LalVigne BOTRYLESS** acts in the vineyard to reduce Botrytis infection.



Chitosan from *Aspergillus niger*  
 © Lallemant

# BENEFITS

## Natural solution for Botrytis control

- *Inhibits the growth of Botrytis*
- *Strengthens the natural defenses of the vine*
- *Reduces yield and quality losses associated with Botrytis*
- *No safety period or maximum residue limit*
- *Fungal origin: higher efficacy, better plant recognition*
- *No negative impact on winemaking process*
- *Healthier grapes, healthier wines*
- *No resistance risk, offers an alternative or organic-based complement to agents with resistance risk, especially at short spray intervals*



If the previous year's infection pressure was high, it is important to start preventive treatments well in advance in the new season when favorable conditions for the fungus appear. In climatic conditions favorable to Botrytis, treatments should begin before bunch closure.

### WARNING

The information contained herein is true and accurate to the best of our knowledge. However, this document should not be considered a contract or warranty. On the other hand, the buyer and seller understand that the cultivation of vines is influenced by many circumstances. It is the buyer's responsibility to adapt the use of our products to such circumstances. There is no substitute for good wine growing and winemaking practices and permanent monitoring.

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# CHARACTERISTICS

Product for foliar application.

## Composition

100% fungal chitosan (*Aspergillus niger*)  
NON GMO.

## Packaging

1 kg bags.

## Storage

Non-flammable product.  
Store in sealed original packaging.  
Store preferably in a cool and dry place.  
Avoid extreme storage conditions.

## Basic substance

Product authorized as basic substance according to  
Regulation (EC) No 1107/2009.

# DOSE AND APPLICATION

**Time of application:** the usual timings for antibotrytis treatments. From flowering to fruit set. It is recommended to apply before bunch closure.

**Preventive use:** 200-400 g/ha (100 g/hL).

Conditions of high risk of Botrytis development and/or curative use: 500-600 g/ha.

Effective from the first application.

**N° of applications:** ≥ 1 (1-3 usual - Max 8).

It is recommended to direct the application to the bunch area.

**Interval between applications:** 14 days.

Dilute in water its application (200 – 600 l / ha).

To improve its dilution, prepare in water with pH ≤ 5.

Follow the instructions on the application method and recommended crops.