LalVigne™

RESILIENS™

Balance abiotic stress

PATENT-PENDING TECHNOLOGY

PROTECTS VINE AGAINST ABIOTIC STRESSES, PROMOTES BETTER SHOOT AND ROOTS DEVELOPMENT

LalVigne RESILIENS™ is a natural product based on wine yeast derivatives that promotes greater resistance to spring abiotic stresses.
The increase in average temperature is leading to earlier phenological stages, including budbreak and flowering. As a result, the initial phase of the vegetative cycle often occurs during cooler periods with greater temperature fluctuations and less favorable conditions for physiological development.

This shift results in:

- Lower photosynthetic activity
- Reduced starch accumulation
- Weaker spring root development
- Lower berry-set rate.

LalVigne RESILIENS™, applied since the beginning of the season, will increase the tolerance of the vine to abiotic stress situations, increasing its resistance capacity and maintaining its productive and qualitative potential.

Saccharomyces cerevisiae yeast (Lallemand Group)
© Getty Image

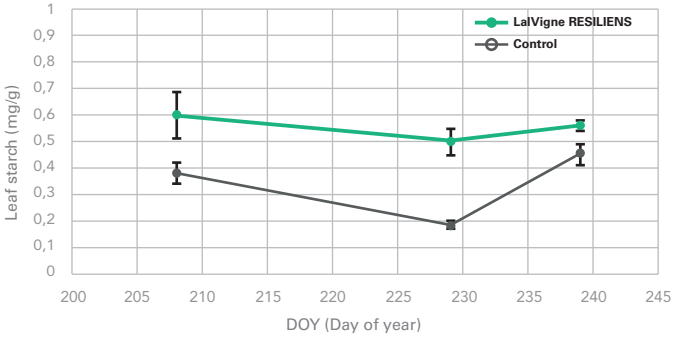
WHY SHOULD I USE LALVIGNE RESILIENS?

LalVigne RESILIENS™ supports vine wellness in spring, limiting the negative impact of abiotic stresses during this critical growth phase.

LalVigne RESILIENS™ promotes consistent photosynthetic activity.

The use of **LalVigne RESILIENS™** helps to:

- Enhance vine resilience to abiotic stress, particularly spring-related stress such as temperature fluctuations and cold return
- Contribute to a regular flowering
- Boost photosynthetic activity, increasing starch accumulation and root development
- Accelerate vine recovery after stressful events, with visible benefits even after spring frost damage



This graph, based on a trial conducted by the Catholic University of Piacenza (Italy), demonstrates that vines treated with **LalVigne RESILIENS™** showed significantly higher starch levels in their leaves compared to the untreated control.

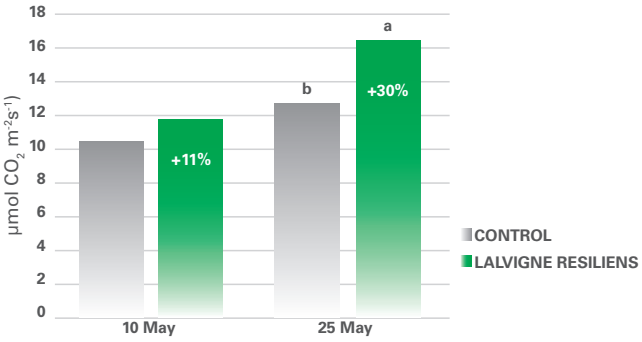
Starch, a key product of photosynthesis, is stored in leaf chloroplasts during the day and used at night to support respiration, metabolism and growth.

Higher starch concentrations are associated with increased photosynthetic activity and help improve the vine's carbon balance, especially under environmental conditions that limit assimilation.

BENEFITS

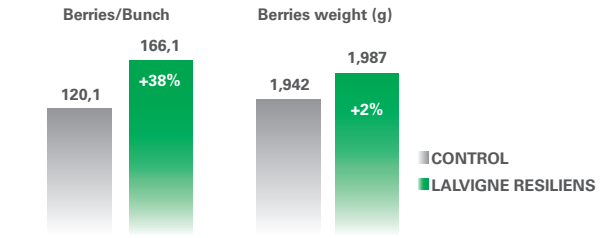
Increases the adaptive capacity of the vine with positive results in adverse situations.

- *Natural treatment that reduces the negative impact of abiotic stresses, particularly spring-related stress (low temperature and fluctuation)*
- *Enhances photosynthetic activity and starch synthesis.*
- *Preserves yield: minimizes weather-related stress during fruit set*
- *Limits the negative impact of phytosanitary treatments*
- *Increases the physiological activity of the plant*
- *Limits inflorescence regression to tendrils*
- *Promotes spring root development*
- *Favors vine recovery after frost episodes*



Data from a trial conducted in Italy on Nero di Troia by CREA-VE (Viticulture and Oenology Research Center of Turi) show the photosynthesis increase after 5 days from the treatment with LalVigne RESILIENS. (Phenological stage of treatment BBCH 16 and 55).

Spring stress can lead to poor fruit set and cause inflorescences to regress into tendrils instead of developing into full clusters. **LalVigne RESILIENS™** helps prevent this by enhancing early photosynthetic activity and supporting balanced vine development.



The data from this trial conducted in Spain on Tempranillo in the Ribera del Duero region show that three applications of LalVigne RESILIENS™ led to a higher fruit set percentage. (Phenological stage of treatment BBCH 53, 71 and 75).

CHARACTERISTICS

Product for foliar application.

Composition
Oenological yeast derivative (***Saccharomyces cerevisiae***) from Lallemand Oenology.

Non GMO.

Organic Agriculture
Product suitable in organic farming according to Regulation (UE) 2018/848 and 2021/1165.

Packaging
10 kg carton containing 10 bags of 1 kg.

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

DOSE AND APPLICATION

It is recommended to start applications preventively before the onset of conditions that may cause abiotic stress in the vineyard.

Recommended application rate on vines: 0,5 kg/ha.

Effective from the first application.

It is recommended to start the application once the shoots reach a length of 20 cm and to maintain applications at intervals of about 14 days during the vegetative growth phase of the vine.

Interval between applications around 14 days.

In summer, when high temperatures and drought risk are expected, we recommend the use of **LalVigne PROHYDRO™**.

Dilute in water (approximately 100 - 1000 l / ha; 10 - 110 gal / acre).

LalVigne RESILIENS™ can be mixed with the main classic phytosanitary products (except oil based product). When mixed for the first time it is recommended to run a quick test on a few plants.

March 2026