



# Azavis Neo on grapes after frost damage

## Aim of the trial

The objective of the trial is to improve the quality and quantity of the harvest of a vineyard strongly affected by spring frost.

## General information

Conditions of the trial:

Trial location: France – Champagne

Variety: Chardonnay

In cooperation with: CSGV

## Treatments

2 modalities (trial on large plots, without replicates):

- **Untreated control**
- **BMS MN**: 3 treatments with AZAVIS NEO at 2 kg/ha pre flowering

## Results

**Initial situation, count performed on 04/05/2021 : 3 x 10 vines in any modality:**

	Control	Azavis Neo
Total number of buds	546	503 (-8%)
Number of frozen buds	239	200
% frozen buds (%)	44%	40%

**Measurements performed on 08/09/2021, at harvest:**

<i>3 x 2 vines/modality</i>	Control	Azavis Neo
Number of bunches/vine	18,2	20,0 (+10%)
Average weight/bunch	124 gr	115 gr
Total weight/vine	2.25 kg	2.29 kg

⇒ Despite a lower number of buds in the Azavis Neo modality, the number of bunches/vine is higher (+ 10%).

WORT ANALYSIS	Control	Azavis Neo
Potential alcohol (% vol)	10.10	10;10
Fermentable sugars (g/L)	170	170
Malic acid (g/L)	10.9	8.6
Density at 20 °C (g/cm <sup>3</sup> )	1.0732	1.0732
Amino nitrogen (mg/L)	137	152 + 11 %
Ammoniacal nitrogen (mg/L)	150	167 + 11 %

⇒ The analysis of the wort shows a significant difference in the nitrogen content: the applications of Azavis Neo allowed to increase the amino nitrogen (+11%) and the ammonium nitrogen (+11%) despite the early applications (before flowering).

### Assimilable nitrogen

