



# Wine grapes: Kappa V and Kappa G

## Aim of the trial

Measuring the effect of Kappa V and Kappa G on the yield and the vegetative state of the vine.

## General information

Conditions of the trial:

Trial location: France – Bourgogne-Franche-Comté

Variety: Pinot Noir

In cooperation with: Domaine Saint Marc

## Treatments

2 modalities:

- Untreated control (2500 m<sup>2</sup>)
- BMS MN (2500 m<sup>2</sup>):

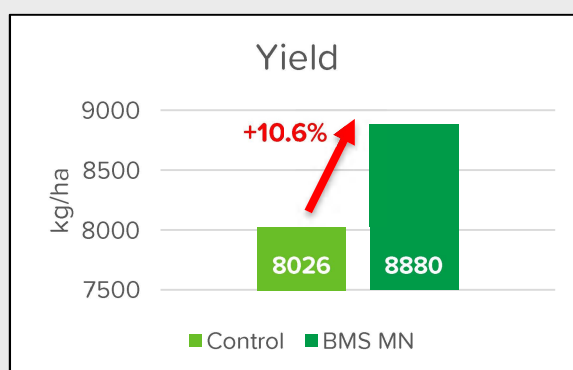
Phenological stage	Date	Program foliar nutrition
5/6 leaves unfolded	02/06/21	Kappa V at 3 kg/ha
Flower buds still touching	16/06/21	Kappa V at 3 kg/ha
Pea sized berries	19/07/21	Kappa G at 3 kg/ha
Bunch closure	31/07/21	Kappa G at 3 kg/ha

## Results

Yield:

Modality	Yield 30 vines (kg)	Mean bunch weight (g)	Yield 8000 vines (kg/ha)
Control	30.1	89	8026
BMS MN	33.3	108	8880

⇒ **Conclusion:** we observed an increase in yield of 10.6%



Quality parameters:

Modality	Potential alcoholic degree (%vol)	pH	Total acidity (g H <sub>2</sub> SO <sub>4</sub> /L)	Yeast assimilable nitrogen (YAN) (mg/L)
Control	12.43	3.11	6.39	160
BMS MN	12.21	3.11	6.56	155

⇒ **Conclusion:** despite the increase in yield in the treated modality, we observed only a small delay in maturation.