



Wine grapes: Kappa V and Kappa G

Objective of the trial

Increasing the vigour of the vines.

General information

Conditions of the trial:

Trial location: France – Rhône-Alpes

Varieties:

Gamay and Gamaret

In cooperation with: ECOVIGNE BEAUJOLAIS-MÂCONNAIS

Treatments

2 modalities:

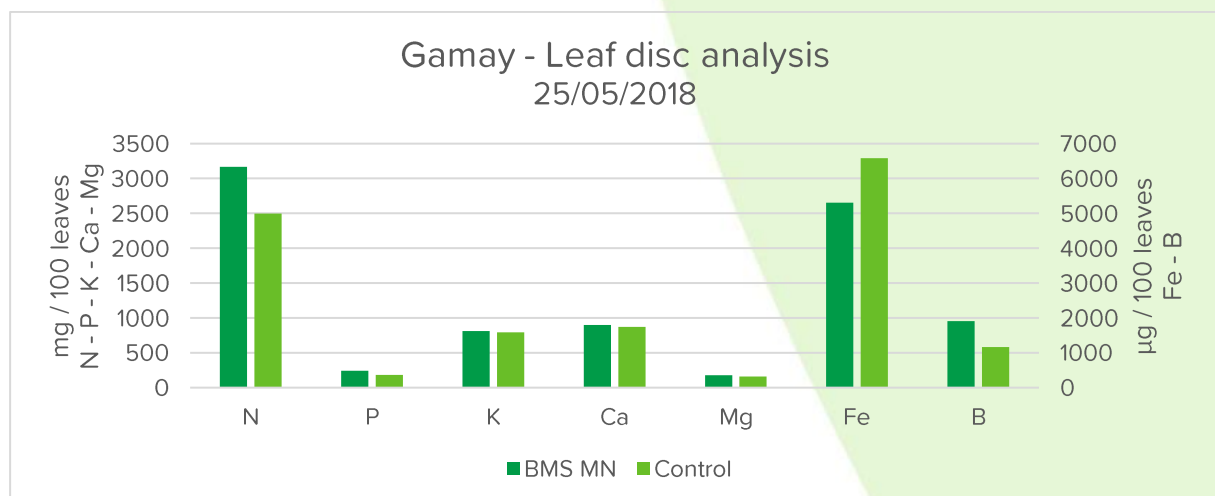
Phenological stage	BMS MN	Untreated control
5-6 unfolded leaves	Kappa V at 3 kg/ha	-
Seperate flower buds	Kappa V at 3 kg/ha	-
Pea size berries	Kappa G at 3 kg/ha	-
Berries beginning to touch	Kappa G at 3 kg/ha	-

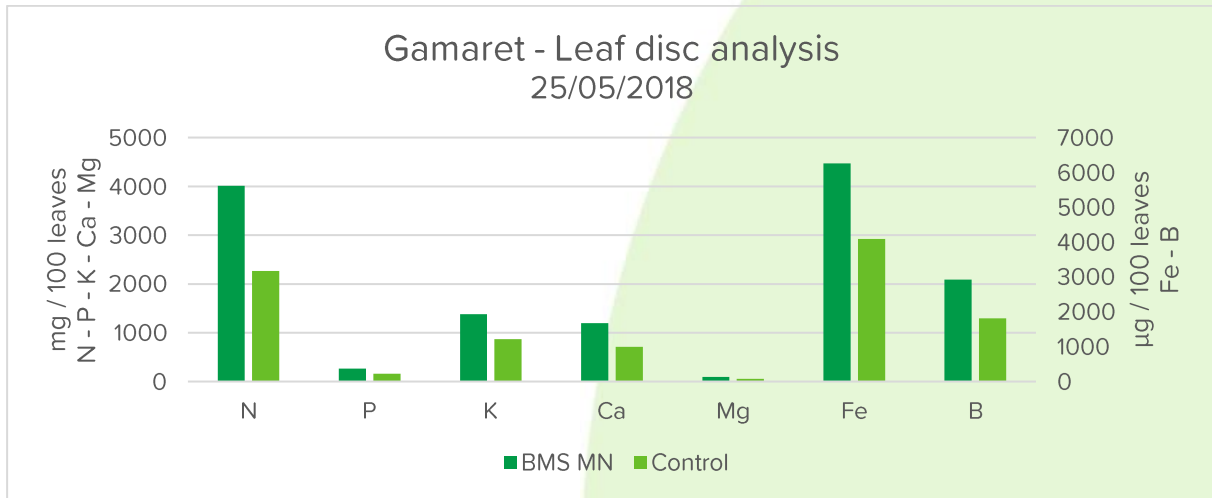
Results

Leaf disc analysis on May 25, 2018. At this date 2 applications of KAPPA V had been realized.

GAMAY : The leaves of the treated vines contained more macro elements, especially nitrogen, where we observed an increase of 27%. KAPPA V contains also a small amount of chelated iron and boron. We see no increase in the iron content in the plants, but on the contrary, boron concentrations increase 63%.

GAMARET : The content of macro elements increased, with the KAPPA V applications, when we compare the treated part with the untreated part. As expected, we have seen an increase in the amount of iron and boron in the treated plants compared to the control.





The **N-tester values** show a higher photosynthetic activity throughout the season through the foliar applications, both with Gamet and with Gamaret. This confirms the results of the foliar analyses.

