



## Wine grapes: NTF

### Aim of the trial

The objective of the trial is to increase the yield of the plot by foliar nutrition. This is the second year of the trial.

### General information

#### Conditions of the trial:

Trial location: France – Rhône-Alpes      Variety: Gamay  
Density: 8000 vines/ha      In cooperation with: Ecovigne  
AOP: Beaujolais Villages, Brouilly  
Maintenance of the vineyard: short Gobelet pruning, no soil fertilization.

### Treatments

#### Untreated control:

#### Modality BMS MN:

- T1 : KAPPA V (4 kg/ha) at the stage of 5/6 unfolded leaves
- T2 : KAPPA V (4 kg/ha) at the stage of flower buds still together
- T3 : FRUCTOL NF (2kg/ha) at the stage of separate flower buds
- T4 : FRUCTOL NF (2kg/ha) at the stage of fruit set
- T5 : KAPPA G (3 kg/ha) at the stage of pea size berries
- T6 : KAPPA G (3 kg/ha) at the stage of berries beginning to touch

### Results

	Control	BMS MN
Average fruit set rate	1.35 (a)	1.46 (b)
Yield (100 vines)	67.4 kg	114.3 kg
Mean yield per vine	690 g	1,210 g
<b>Yield (ha)</b>	5,520 kg	9,680 kg <b>(+ 69.50%)</b>

- ⇒ Higher rate of fruit set (number of bunches/shoot).
- ⇒ For each measurement, the photosynthetic activity had increased statistically.
- ⇒ Yield increase of 69.5%. This is explained by the higher fruit set rate (1 bunch per vine more) and a higher average bunch weight.

#### Values N-tester

