



Wine grapes: increasing nitrogen in the wort

Aim of the trial

Measuring the efficacy of KAPPA Z compared to an untreated control for the improvement of yeast assimilable nitrogen (YAN) in Gamay wort. Assimilable nitrogen is important as a food source for the yeasts and is therefore also important for a good alcoholic fermentation.

General information

Conditions of the trial:

Trial location: France – Rhône-Alpes

Variety: Gamay

In cooperation with: Ecovigne

Treatments

2 modalities (plots of 1 hectare):

- **Untreated control**
- **Kappa Z:**
 - o T1 : Kappa Z at 6 kg/ha – early veraison
 - o T2 : Kappa Z at 6 kg/ha – T1 + 15 days

Results

Analysis of the Wort:

	Control	Kappa Z
Sugars (g/L)	192	184
Potential Alcohol (%vol)	10.93	10.43
pH	3.24	3.15
Total acidity (g H₂SO₄/L)	4.90	5.17
Yeast assimilable nitrogen (mg/L)	166	229

⇒ Thanks to the application of Kappa Z, the yeast assimilable nitrogen content in the wort has increased by 38%.

