Stimula

Sauvignon blanc

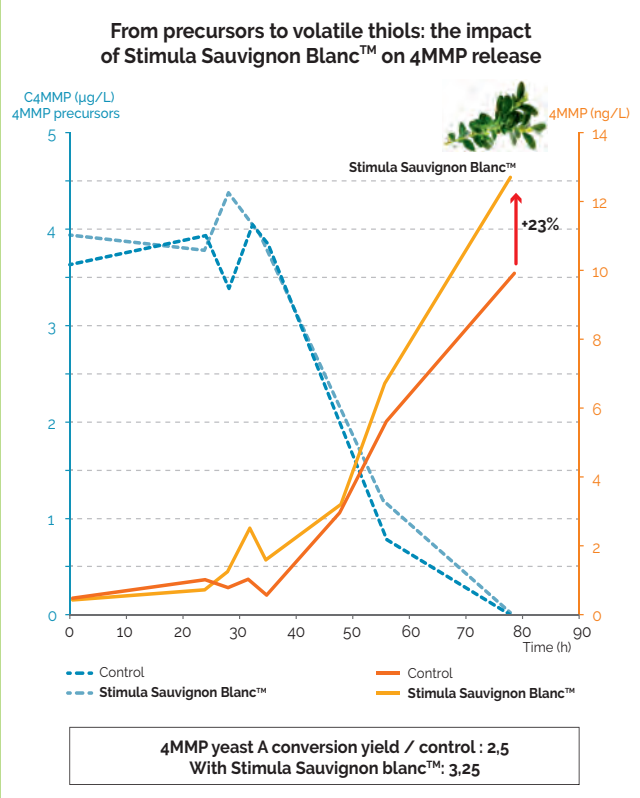
Description

Stimula™ is a new range of 100% yeast autolysate products formulated to supply the optimal levels of aminoacids, sterols, vitamins and minerals known to optimize the aromatic yeast metabolism.

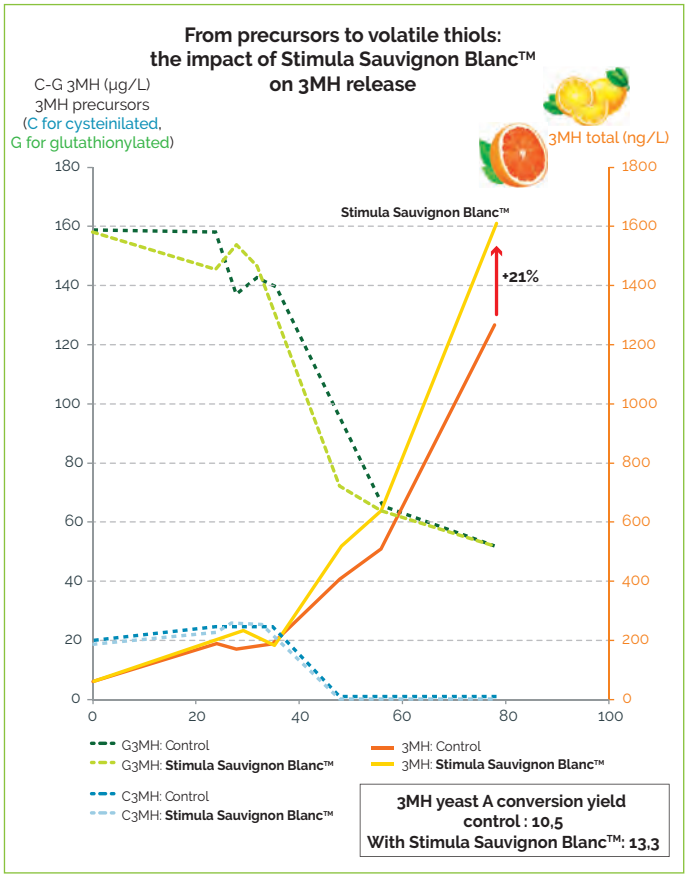
Stimula Sauvignon blanc™ is particularly rich in panthotenate, thiamin, folic acid and zinc and manganese in order to optimize the uptake of 4MMP and 3MH precursors and their bioconversion to volatile thiols.

Together with our knowledge of yeast metabolism and with recent results from our research partners, we have defined the optimal moment to add **Stimula Sauvignon Blanc™**. As the uptake of thiol precursors occurs in the very early stage of fermentation, the addition of **Stimula Sauvignon Blanc™** at the very beginning of the fermentation will enhance the optimal elements to be taken up by the yeast and their bioconversion to volatile thiols, avoiding any repression and increasing the transporter's efficiency.

Application and results



Trial on a Sauvignon blanc wine 2015 (Loire, France) DAP vs **Stimula Sauvignon Blanc™** added at 40 g/hL at the beginning of alcoholic fermentation. Dotted curves represent the uptake of the 4MMP precursors and solid curves the release of 4MMP.



Trial on a sauvignon blanc wine 2015 (Loire, France) vs **Stimula Sauvignon Blanc™** both added at 40 g/hL at the beginning of alcoholic fermentation. Dotted curves represent the uptake of the 3MH precursors (cysteinilated in blue and glutathionylated in green) and solid curves the release of 3MH.

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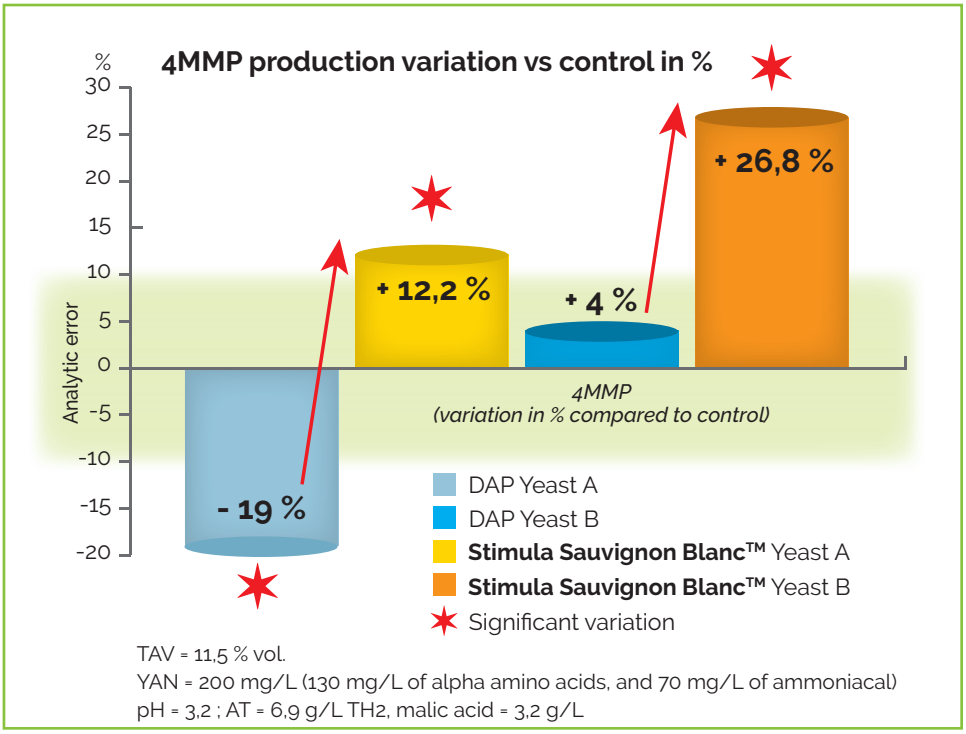

TAV = 11,5 % vol.
YAN = 200 mg/L (130 mg/L of alpha amino acids, and 70 mg/L of ammoniacal)
pH = 3,2 ; AT = 6,9 g/L TH2, malic acid = 3,2 g/L

Comparative trial on a sauvignon blanc wine 2016 (Gers, France) DAP vs **Stimula Sauvignon Blanc™** both added at 40 g/hL at the beginning of alcoholic fermentation vs Control without any addition. Bars represent the variation in % of 4MMP measured in comparison to a control without addition (represented by the x-axis 0).

Dosage and instructions for use

- **Stimula Sauvignon Blanc™** is a nutrient supplying highly available amino-acids, peptides, vitamins and minerals.
- Recommended dosage is 40 g/hL added at the beginning of AF.
- **Stimula Sauvignon Blanc™** should be suspended with water (1 kg **Stimula Sauvignon Blanc™** in 10 L water) and added immediately to the tank. If prepared in advance, re-suspend the product prior to its addition to the fermenter.

Packaging and storage

- 10 kg (10 x 1 kg boxes) in 10 kg box.
- Store in a dry environment below 25°C.
- Shelf-life at the recommended storage temperature is 4 years from production time.

DISTRIBUTED BY:

Stimula
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The information herein is true and accurate to the best of our knowledge however this data sheet is not to be considered as a guarantee expressed or implied or as a condition of sale of this product.

May 2017