



Wine grapes: ECOMETHOD

Aim of the trial

Evaluation of the NTF system (Total Foliar Nutrition) on 4 varieties of wine grapes, 3-year trial.

General information

Conditions of the trial:

Trial location:	Italy – Friuli-Venezia	System:	Sylvoz
Density:	2 506-2 732 vines/ha	Rootstock:	SO4
In cooperation with:	ERSA		
Variety:	Sauvignon, Chardonnay, Cabernet Sauvignon and Cabernet Franc		

Treatments

2 modalities:

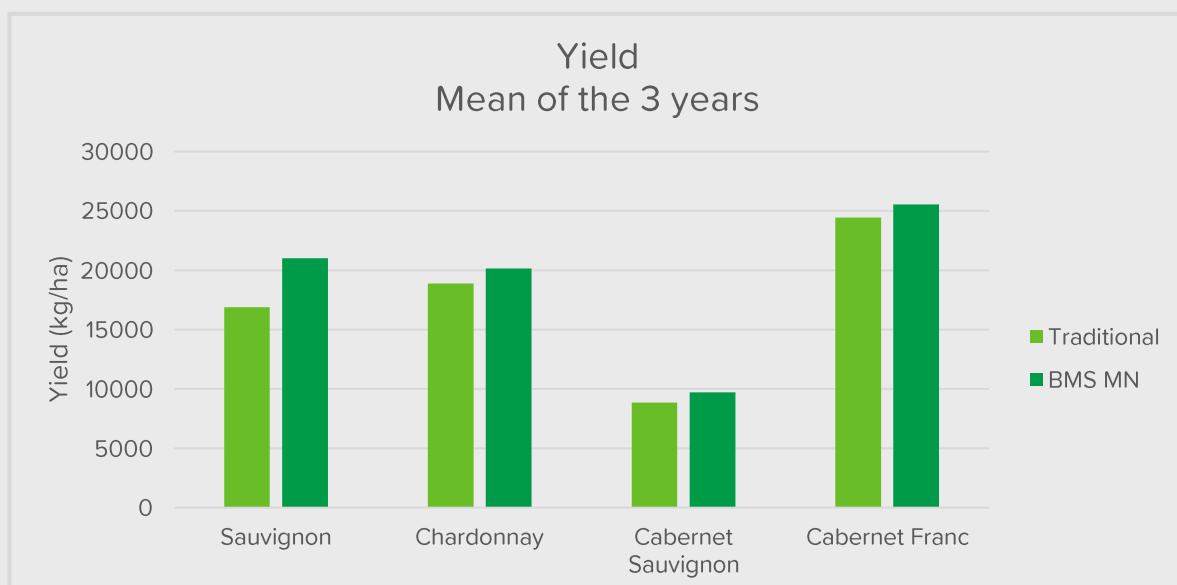
- Traditional fertilization (to the soil) – totals for 3 years of the trial

	N (kg/ha)	P₂O₅ (kg/ha)	K₂O (kg/ha)
Sauvignon	190	112	414
Chardonnay	190	112	414
Cabernet Sauvignon	190	112	414
Cabernet Franc	154	76	342

- BMS MN (NTF – Total Foliar Nutrition) – totals for 3 years of the trial

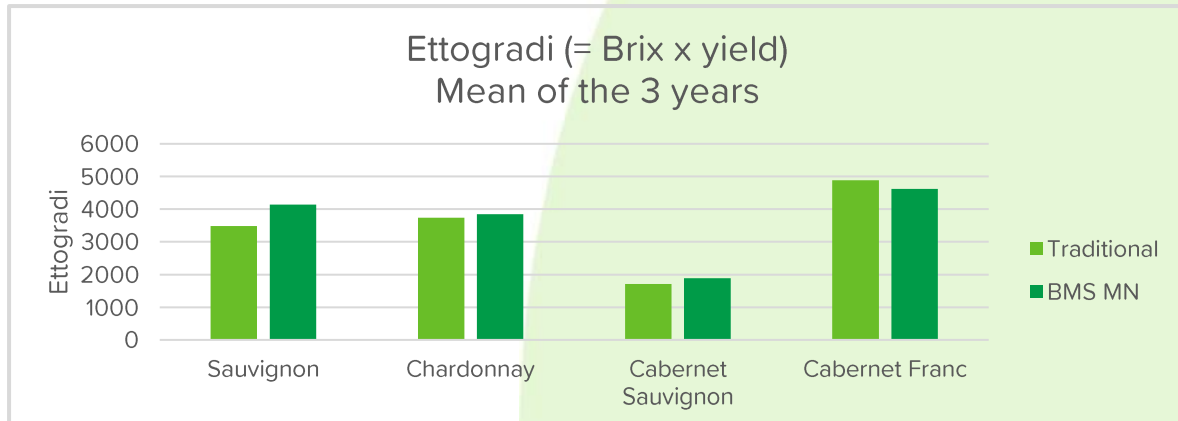
	Kappa V	Kappa G	Chelal RD
Sauvignon	54 kg/ha	91 kg/ha	15 kg/ha
Chardonnay	54 kg/ha	91 kg/ha	15 kg/ha
Cabernet Sauvignon	64 kg/ha	91 kg/ha	15 kg/ha
Cabernet Franc	40 kg/ha	91 kg/ha	18 kg/ha

Results







Mean of the 3 years	Brix-value (°)		Titratable acids	
	Trad.	BMS MN	Trad.	BMS MN
Sauvignon	20,67	19,73	9,47	8,63
Chardonnay	19,85	19,13	8,77	8,80
Cabernet Sauvignon	19,51	19,54	9,97	10,27
Cabernet Franc	19,90	18,09	7,23	5,60



Calculation of the carbon footprint of Ecomethod

Calculation for 1 ha and for the 3 years together.

Variety	Quantity CO ₂ eq. ECOMETHOD 	Quantity CO ₂ eq. TRADITIONAL FERTILIZATION (FARMER) 
Sauvignon	367,5 kg/ha	1 726,3 kg/ha
Chardonnay	367,5 kg/ha	1 726,3 kg/ha
Cabernet Sauvignon	391,8 kg/ha	1 726,3 kg/ha
Cabernet Franc	346,1 kg/ha	1 380,5 kg/ha



CO₂	Sauvignon: 1 358,8 Chardonnay: 1 358,8 Cabernet Sauvignon: 1 334,5 Cabernet Franc: 1 034,3	The reduction of CO ₂ eq. expressed in kg/ha
% CO₂	Sauvignon: 78,7% Chardonnay: 78,7% Cabernet Sauvignon: 77,3% Cabernet Franc: 74,9%	The saving percentage of CO ₂ eq.