



# Lavender: Foliar nutrition

## Aim of the trial

The goal of this trial is to increase the yield of the crop by using foliar nutrition.

## General information

### Conditions of the trial:

Trial location: France – Provence-Alpes-Côte-d'Azur  
Harvesting date: 05/07/2017  
In cooperation with: Raison'Alpes

### Materials and methods:

Experimental set-up: 4 repetitions, randomized elementary plots (1 elementary plot = 3 rows of 15 m long)

## Treatments

- **Untreated control**
- **Program BMS MN:**

Stage : start of elongation (04/04/17): Kappa Z at 2 kg/ha + Chelal FeMn at 1 L/ha

Stage : elongation T1 + 20 days (24/04/17): Fructol NF at 2 kg/ha + Chelal FeMn at 1 L/ha

## Results

Modality	Fresh weight of the flowers/plant (g)		% of seeds in the flowers	
	Mean	St. dev.	Mean	St. dev.
Control	1128	149	46.50%	0.034
BMS MN	1167 (+ 3.4%)	36	48.80% (+ 4.9%)	0.017

The BMS MN foliar program increases the fresh weight of the flowers (+ 3.4%) and the proportion of seeds in the flowers (+ 4.9%).

Modality	Seed fresh weight/ha		% dry matter of seeds		Seed dry weight / ha	
	Mean	St. dev.	Mean	St. dev.	Mean	St. dev.
Control	3689	867	38.21%	1.15	1402	292
BMS MN	3996 (+ 8.3%)	598	38.08%	2.58	1512 (+ 7.8%)	140

The foliar program allows to increase the seed dry weight with 110 kg per ha (or 7.8%) compared to the control. 110 kg/ha DM is likely to produce an additional 9.6 L of essential oil per ha.

