

## Garlic: foliar nutrition

### Aim of the trial

The goal of the trial is to increase the yield of the crop.

### General information

#### Conditions of the trial:

Trial location: France – Drôme

Planting date: 20/10/2016

Harvesting date: 26/06/2017

Fertilization:

- 5.12.24 SK + Mg at 700 kg/ha, February 2017

- Ammonium sulfate at the end of March (250 kg/ha) and at the end of April (200 kg/ha)

Variety: Messidrôme

Density: 175,000 bulbs/ha

In cooperation with: Gaec des Perriers

### Treatments

#### Untreated control

#### Modality BMS MN:

T1 beginning of March: Fructol NF 2 kg/ha + Chelal Kubig 2 L/ha (stage 3-5 leaves)

T2 beginning of May: Fructol NF 2 kg/ha + Chelal Kubig 2 L/ha (start bulbs growth, 1-3 cm)

T3 beginning of June: Fructol NF 2 kg/ha + Chelal Kubig 2 L/ha (development of bulbs)

### Results

A strip of 300 m long was harvested; a total of about 9450 bulbs consisting of 3 rows with 10.5 bulbs per running meter.

Modality	Caliber				Yield (300 m)	Yield (ha)	Gap
	< 50 mm	50 – 60 mm	60 – 65 mm	> 65 mm			
Control	36 kg	75 kg	183 kg	306.5 kg	600.5 kg	11,120 kg	<b>+ 1,750 kg/ha</b>
BMS MN	41 kg (+ 13.9%)	87.5 kg (+ 16.7%)	165 kg (- 9.8%)	401.5 kg (+ 31.0%)	695.0 kg	12,8710 kg (+ 15.7%)	

**Conclusion:** The yield increased by 15.7% due to the applications of Fructol NF and Chelal Kubig.

Net weight of the sample per caliber (kg)

