

NTF on a young hazelnut orchard

Objective of the trial

The aim of the trial is to advance the first production with foliar nutrition in a young hazelnut orchard. This report shows the results of 2 years of trials (2016 and 2017). At the beginning of the trial the trees were in their third growing season in the field.

General information

Conditions of the trial:

Trial location:	Italy – Lazio	Density:	740 trees/ha, 4.5 m x 3 m
Variety:	Nocchione	Soil type:	Loamy, slightly -acid
In cooperation with:	Università degli Studi della Toscana		
Harvesting date:	Early September + Late September		

Treatments

2 modalities (plots of 5000 m²): identical fertilization during the 2 years

⇒ T0: Control (only soil fertilization)

	Product	Quantity	Timing
1	20-10-10	200 kg/ha	End of March

⇒ T1: Applications of the BMS MN program (without soil fertilization)

	Product	Quantity	Timing
1	Kappa M	5 kg/ha	End of April
2	Fructol NF	2.5 kg/ha	End of May
3	Fructol NF	2.5 kg/ha	Mid-June
4	Fructol NF	3 kg/ha	Early July



Results

Yield second year of the trial

Modality	Number of fruits (mean of the single replications)
Control	5.75
BMS MN	54.5

⇒ **Conclusion:** the BMS MN applications were able to advance the productivity of the trees with one year.

Values of chlorophyll A, B, total chlorophyll and carotenoids present in the leaves, sampled during the second half of July 2016 (15/7).

Modality	Chlorophyll A	Chlorophyll B	Total Chlorophyll	Carotenoids
Control	1.38 ± 0.04	0.51 ± 0.10	1.89	0.06 ± 0.00
BMS MN	1.41 ± 0.01	0.45 ± 0.01	1.86	0.07 ± 0.01