

MYCOGEL

UNIQUE HIGHLY CONCENTRATED STERILE IN-GEL MYCORRHIZAE

RESULTS
REPORT OF
FIELD TRIALS

MANGO var. Osteen



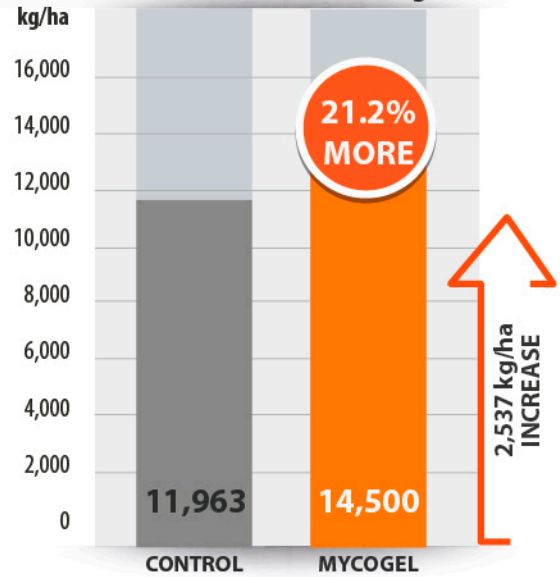
21.2%
MORE

PRODUCTION

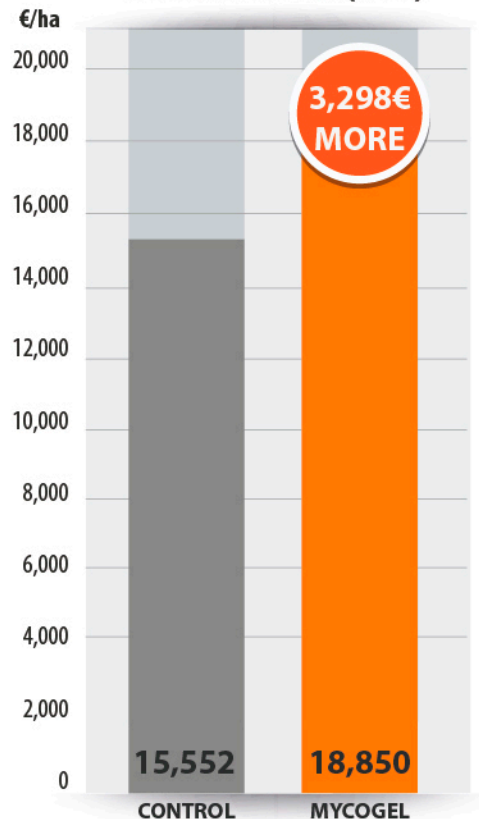
3,298 €
MORE

ECONOMIC
YIELD €/ha

MANGO PRODUCTION (Kg/ha)



ECONOMIC YIELD (€/ha)



Conclusions in the field

- More crop vigor .
- Higher yield and quality of mango.
- Greater economic benefits.



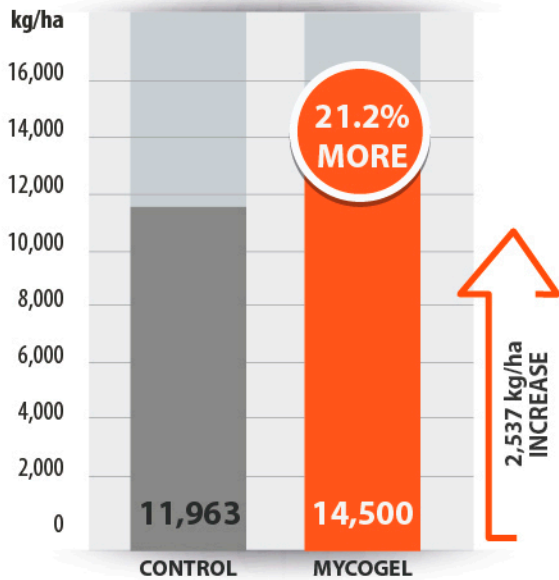
FIELD RESULTS

Farm in production of commercial variety located in Vélez-Málaga (Málaga) Spain.



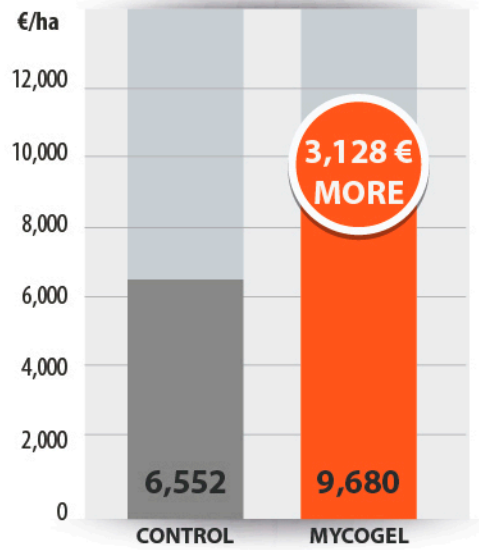
• YIELD

Mango yield (kg/ha)



• BENEFIT

Net benefits (€/ha)



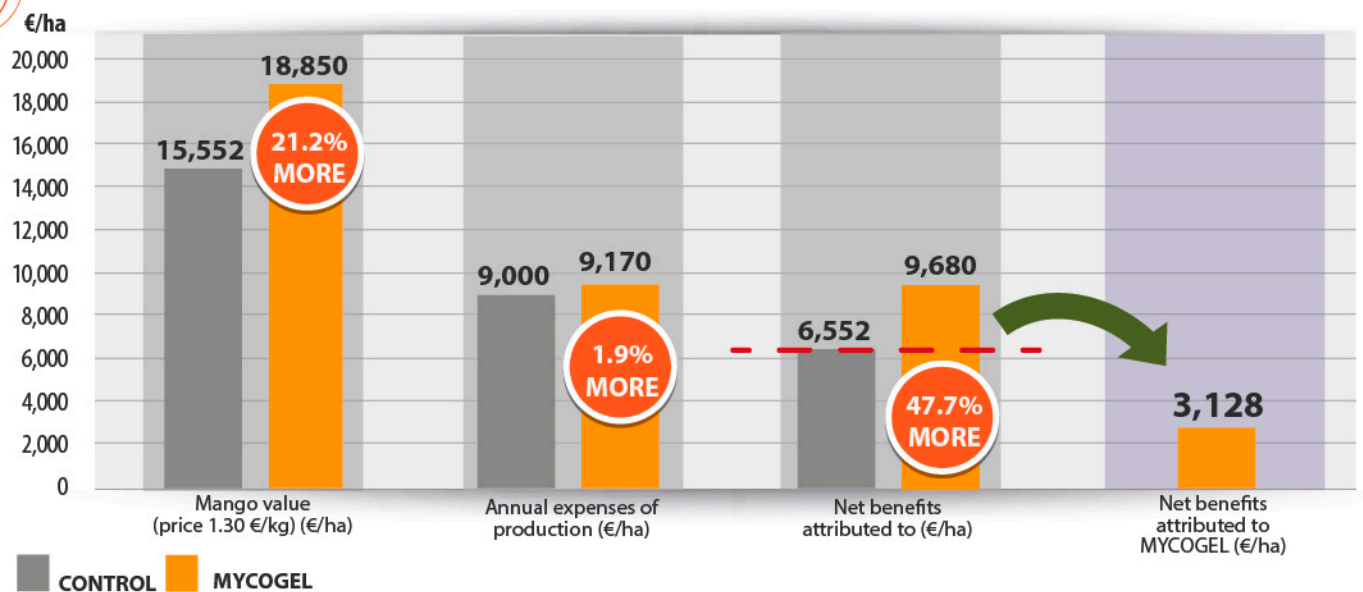
CONTROL



MYCOGEL



• Costs and benefits of the mango crop (€/ha)





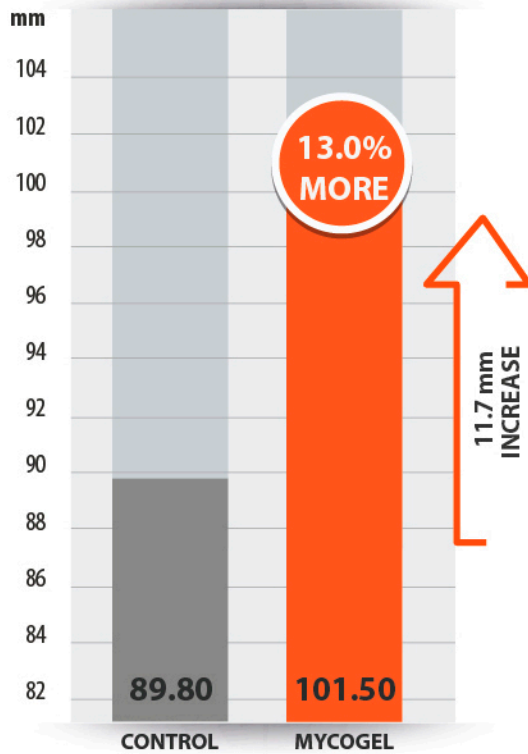
FIELD RESULTS

Farm in production of commercial variety located in Vélez-Málaga (Málaga) Spain.



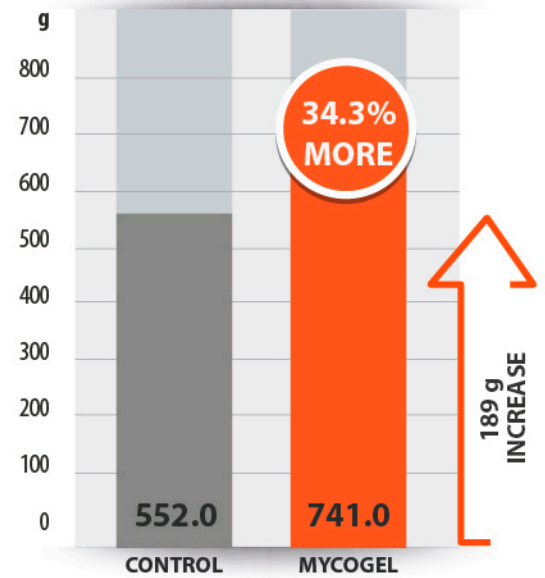
• FRUIT SIZE

Fruit size (mm)



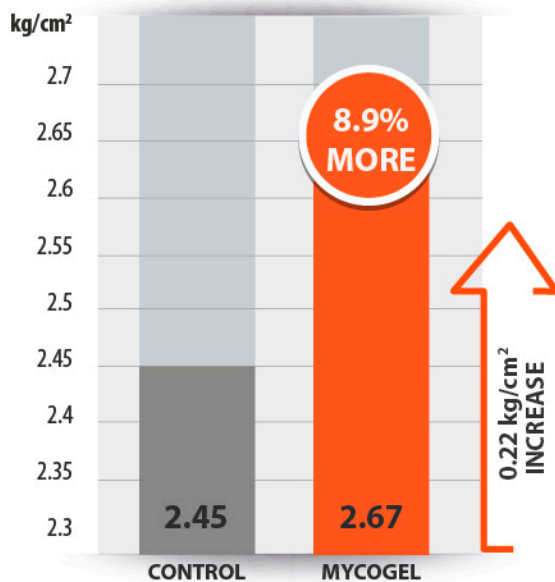
• WEIGHT

Average fruit weight (g)



• STRENGTH

Pulp strength (kg/cm²)





SUMMARY

Field results

Parameter	Control	Mycogel	DIFFERENCE	Consequences
Yield (kg/ha)	11,963	14,500	↑ 21.2%	1. Economics 2. Vigor
Fruit size (mm)	89.80	101.50	↑ 13.0%	1. Quality 2. Yield
Average fruit weight (g)	552.00	741.00	↑ 34.3%	1. Quality
Pulp strength (kg/cm ²)	2.45	2.67	↑ 8.9%	1. Quality
Net benefits (€/ha)	6,552	9,680	↑ 3,128 €	1. Economics
Annual production costs (€/ha)	9,000	9,170	↑ 1.9%	1. Economics
**Economic yield (€/ha)	15,552	18,850	↑ 3,298 €	1. Economics

* Mango price: 1.30€/kg

Source:

Price and market observatory – Junta de Andalucía

Trial Data and Design

Crop: Mango var. Osteen (8 years), Sensation pattern (20 years)

Location: Vélez-Málaga, MÁLAGA, Spain.

Grafting date: 2009.

Plantation frame: in steep slope 2.5x3 m (1,333 trees/ha)

Harvesting date: September 8, 2017.

Drip irrigation.

Fertilization: typical for the intensive mango crop in irrigation.

Ground: sandy, stony, with fast drainage, and little retention of water.

Agro-climatic conditions: winter with prolonged winds that affect the growth of mangos. Very warm and dry summer.

Experimental plot area: 2,000 m²

TRIAL DESIGN

The trial has 2 variants on the 2,000 m² plot divided into two equal parts.

Description of the activities:

1) **CONTROL:** standard crop management by the farmer.

2) **MYCOGEL:** 1 L/ha, in November 2016, by drip irrigation (first two weeks without applying phosphorus or fungicide fertilizers to the soil, then handling the same as in the CONTROL).