

MYCOGEL

UNIQUE HIGHLY CONCENTRATED STERILE IN GEL MYCORRHIZA

RESULTS
REPORT OF
FIELD TRIALS

TRIAL
PERFORMED BY
CAJAMAR
FOUNDATION

MELOON



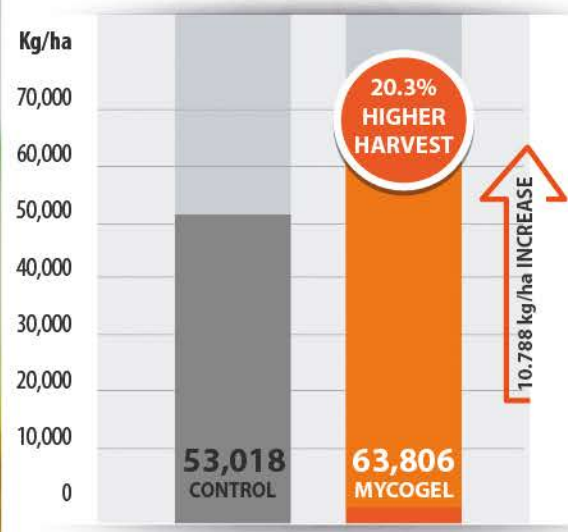
20%
MORE

YIELD

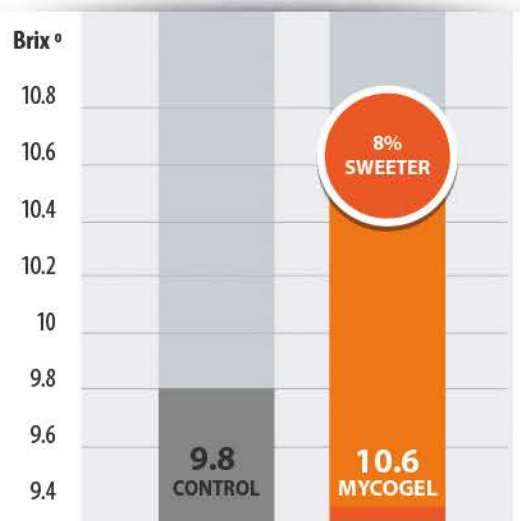
8%

SWEETER

TOTAL YIELD (kg/ha)



BRIX DEGREES JUICE



Conclusions

- **Plant vigor increases:**
 - Stronger and more balanced growth.
- **Higher yield in:**
 - Average weight gain per melon.
 - Fruits
- **Melon quality increases:**
 - Brix degrees rises.
 - Hardness rises.
 - Longer shelf life.

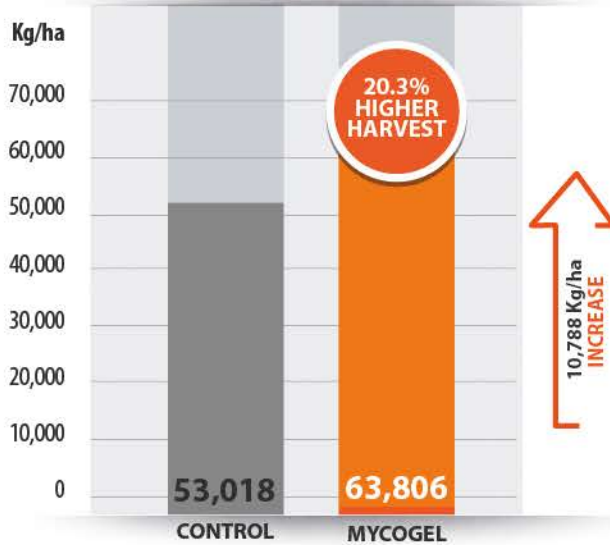


FIELD RESULTS

Farm in commercial variety production in located El Ejido, Almeria, Spain.



• **TOTAL YIELD**
HIGHER YIELD against CONTROL.

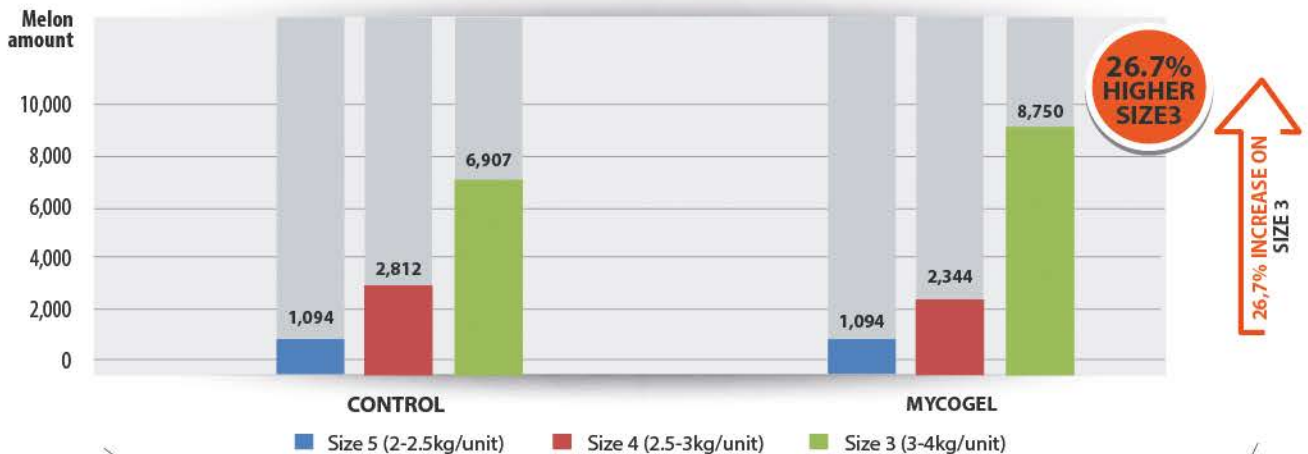


• **AVERAGE WEIGHT**
HIGHER FILLING, average fruit size INCREASES.



• **DISPERSION BY COMMERCIAL FRUIT SIZES: MORE FRUITS ABOVE COMMERCIAL SIZE.**

DISTRIBUTION BY COMMERCIAL FRUIT SIZES



• **TOTAL COMMERCIAL FRUITS: TOTAL INCREASE OF COMMERCIAL FRUITS.**



Economic Yield

Average price in 2016: 0.50 €/kg

Commercial fruits increase: 1,375 pieces

Average weight per fruit: 3.745 kg

Extra yield of 5,149 kg/ha

Extra benefit of 2,574 €/ha

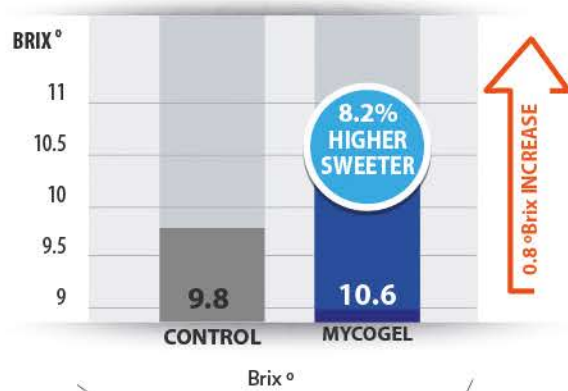


LABORATORY RESULTS

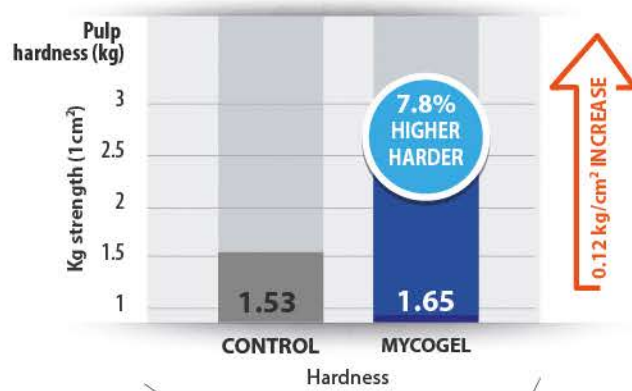
Experimental Station of Las Palmerillas – Cajamar Foundation in El Ejido, Almería, Spain.
Nutritional quality and nutritional bioactive substances in Santa Claus Melon Analysis.



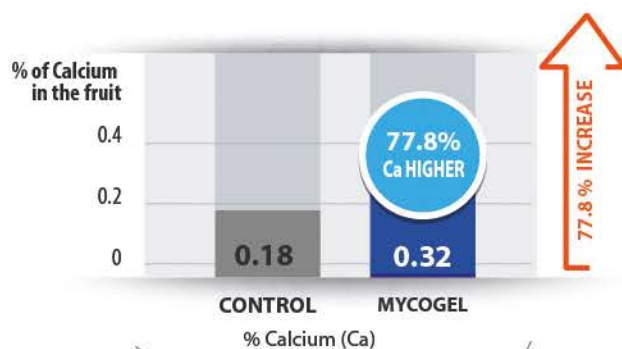
• **BRIX° DEGREES JUICE:**
SWEETER, with a very homogeneous value.



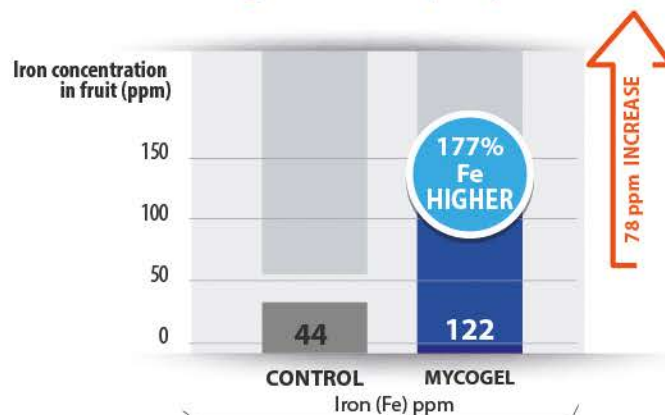
• **PULP HARDNESS:**
HIGHER SHELF LIFE, stronger and more consistent fruits.



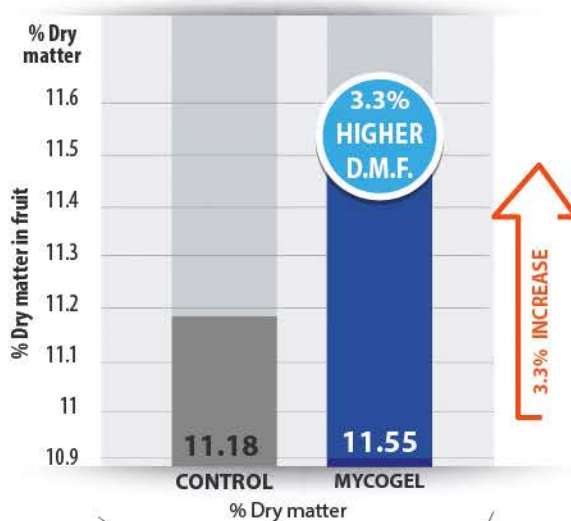
• **CALCIUM CONTENT:**
HARDNESS, STRUCTURE, and SHELF LIFE INCREASE.



• **IRON CONTENT:**
THREE TIMES MORE IRON CONTENT, increasing nutritional quality.



• **INTERNAL DRY MATTER CONTENT:**
HIGHER FLESHINESS and NON-HOLLOW FRUITS.





SUMMARY

Field results

Parameter	Control	Mycogel	Difference	Consequences
Yield (kg/ha)	53,018	63,806	↑ 20.3%	1. Economic
Fruit amount (units)	18,750	20,000	↑ 6.7%	1. Economic
Average weight gain (g/units)	3,642	3,747	↑ 2.8% (105 g/unit)	1. Economic 2. Quality • Higher Fruit filling • NON-HOLLOW fruits
Hardness (kg/cm ²)	2.13	2.39	↑ 8.3%	1. Economic 2. Quality • Longer shelf life
Brix degrees	9.8°	10.6°	↑ 5.0%	1. Economic 2. Quality • More flavor

• Yield and Fruit Quality INCREASE

- Fruit set and setting INCREASE
- AVERAGE WEIGHT INCREASES per unit
- Hardness INCREASES
- Brix degrees INCREASES



Data and Trial design

Crop: Santa Claus Melon, variety SV 6203 (Seminis/Monsanto)
Planting area: 4 x 0.5m
Conditions: Greenhouse with traditional sand crop
Location: El Ejido, Almería

Total trial area: 13,800 m²
CONTROL trial area: 6,900 m²
MYCOGEL trial area: 6,900 m²

DOSAGE: 1L/ha
 1 Application
 Application time: TRANSPLANT

Other interesting information:

- Transplant date: 03/07/2016
- Bloom date: 04/20/2016
- Harvest date: 06/06/2016