

Mycogel

UNIQUE HIGHLY CONCENTRATED STERILE IN-GEL MYCORRHIZA

RESULTS
REPORT OF
FIELD TRIALS

POTATO var. Loman



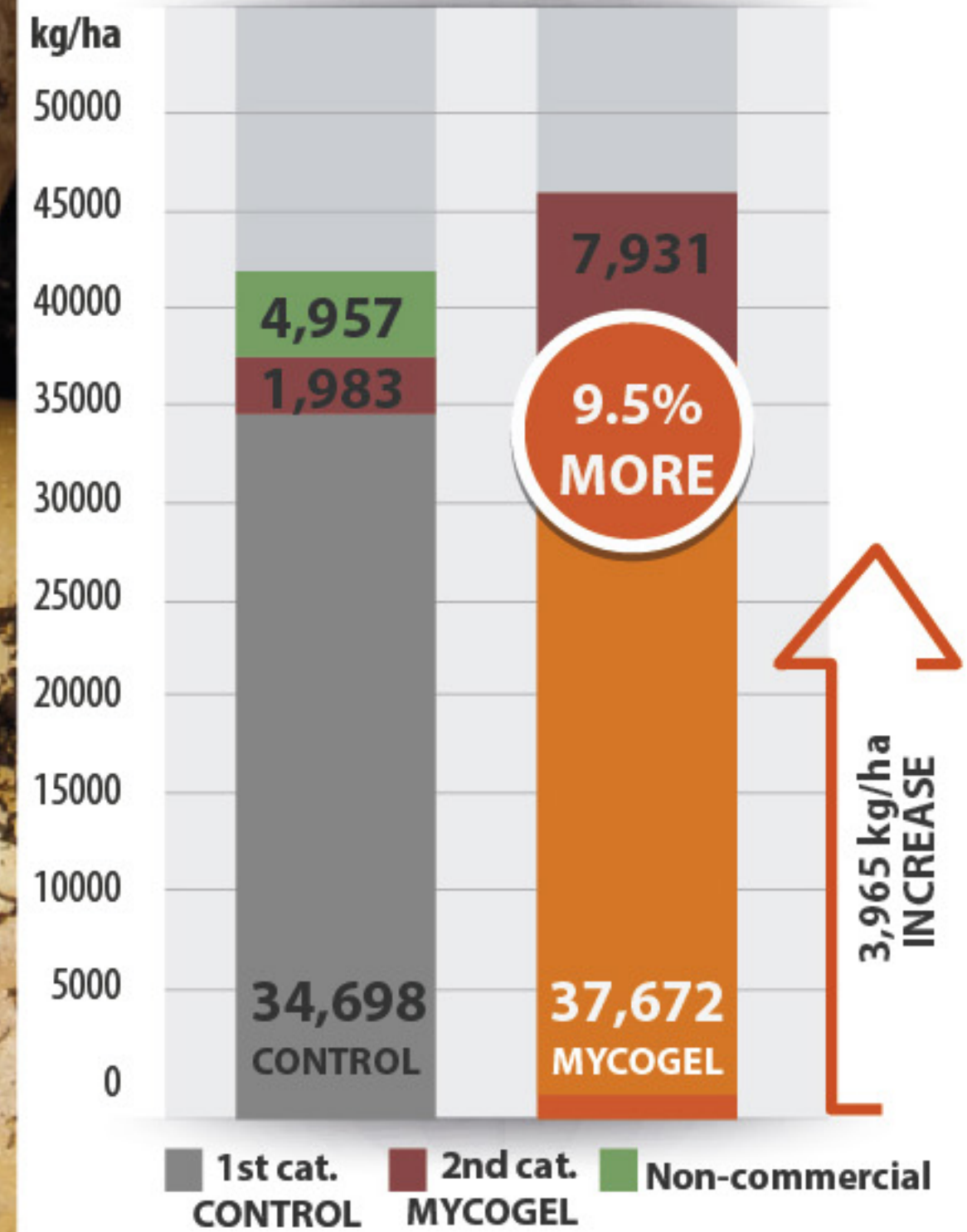
9.5%
MORE

YIELD

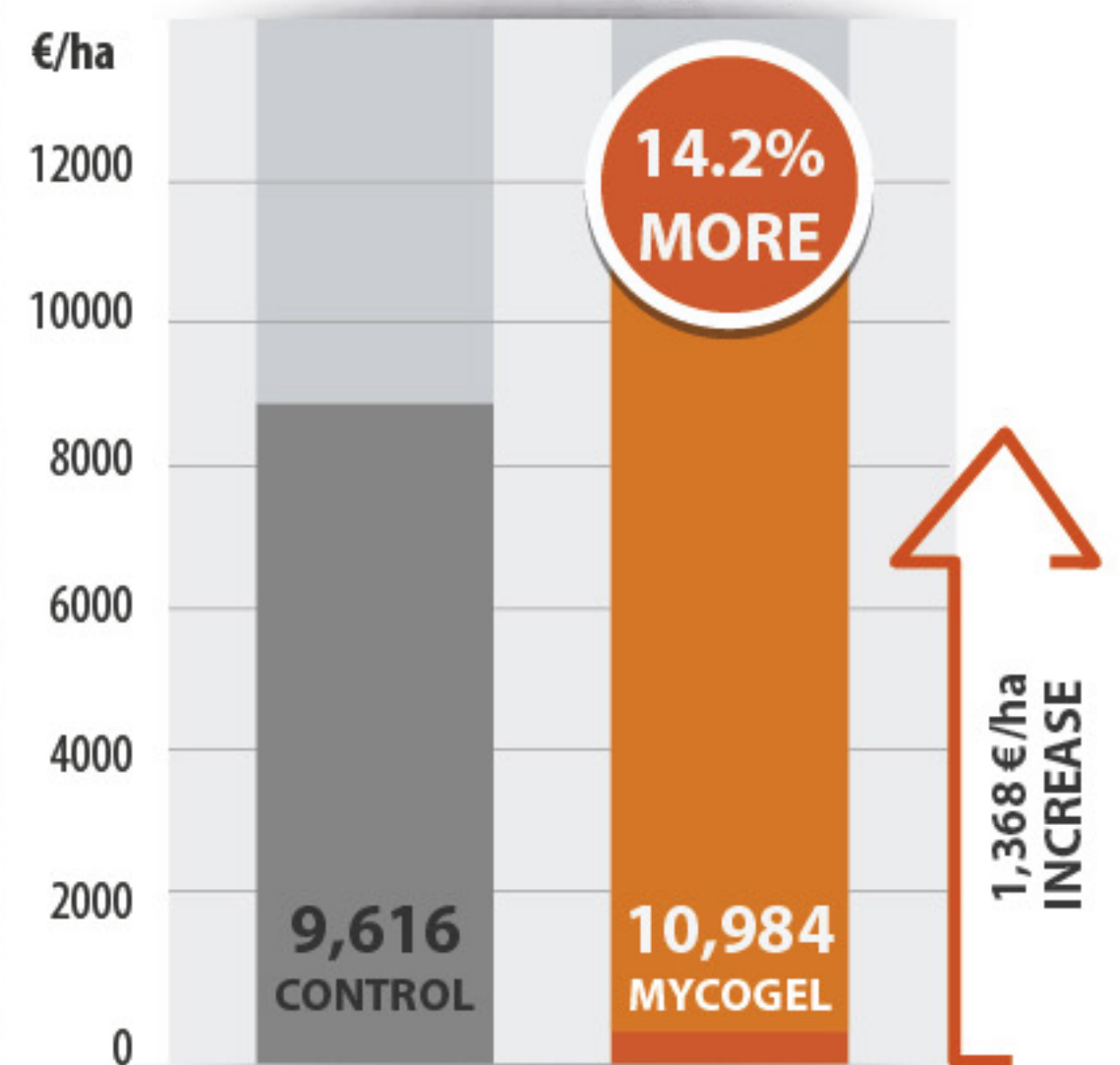
1,300 €
MORE

PROFIT
Economic yield/ha

POTATO YIELD (Kg/ha)



PROFIT (€/ha)



*1st category price kg/potato: 0.26 €/kg
2nd category price kg/potato: 0.15 €/kg
Non-commercial price: 0.06 €/kg
Source: Farmer

Conclusions

- Higher yield and quality.
- Increases the first category tuber.
- Higher vigor.
- Higher economic yield.



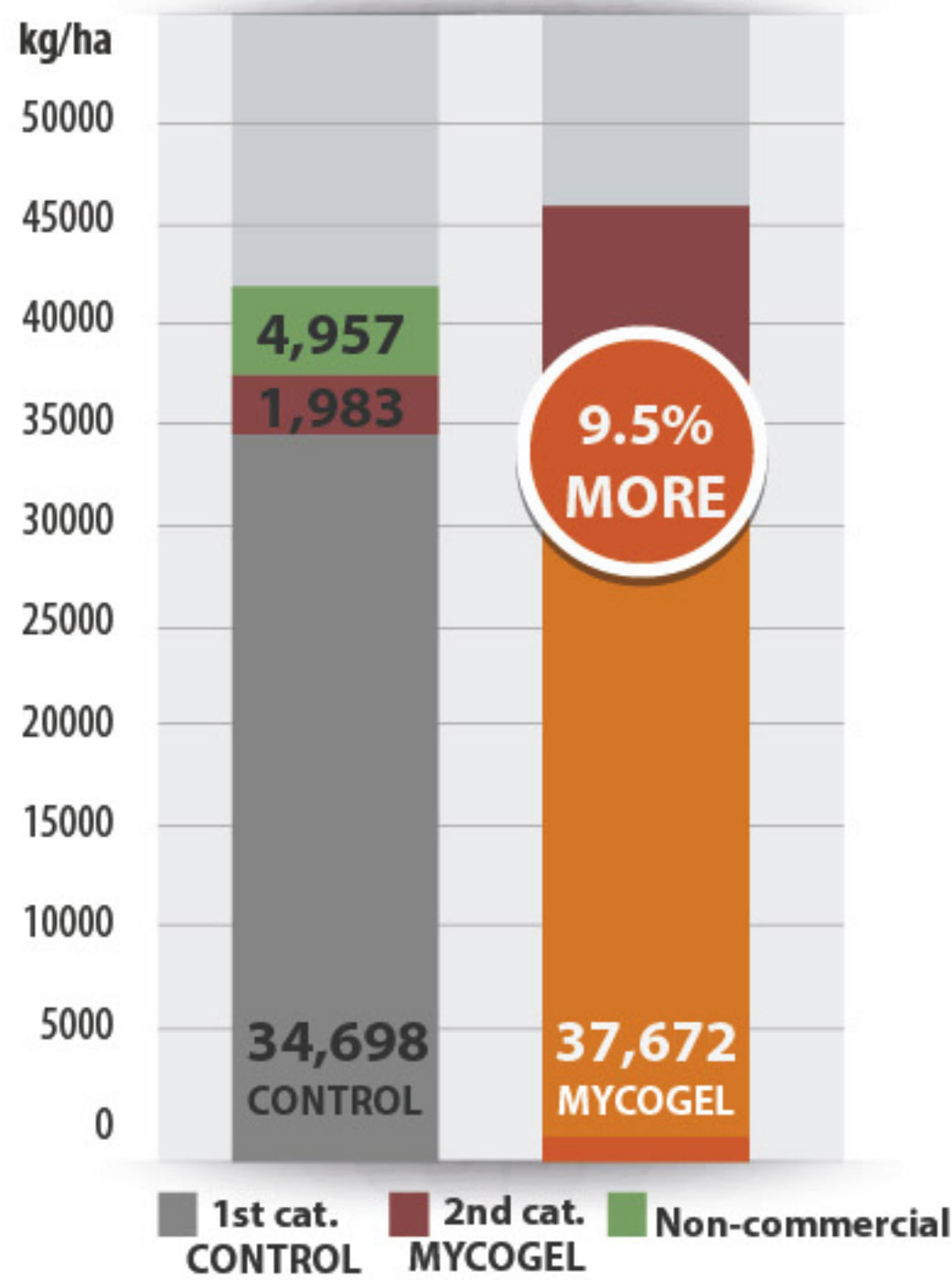
FIELD RESULTS

Farm in commercial variety production in Santa Irene, San Marcos, Guatemala



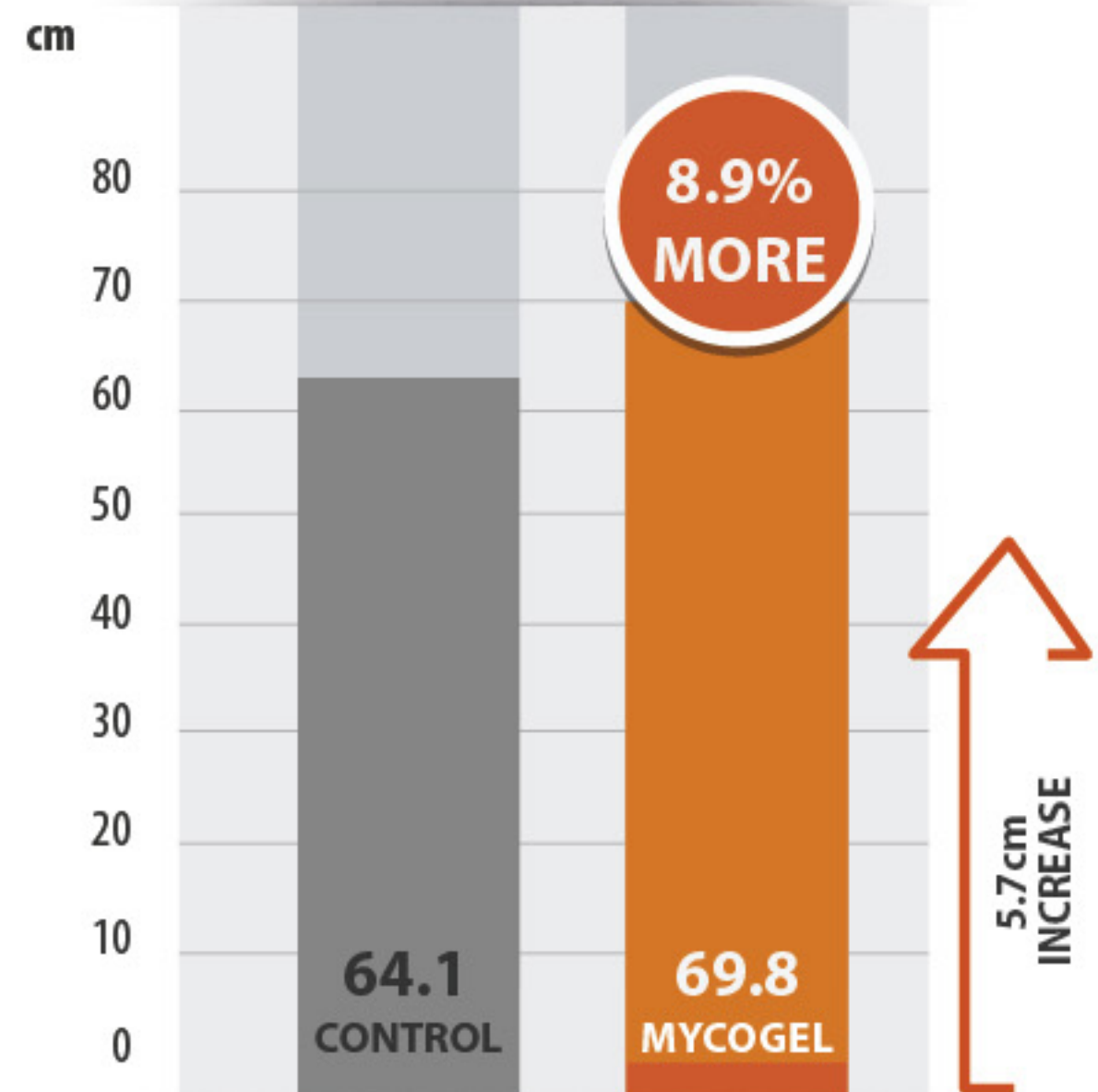
• YIELD

Potato yield (kg/ha)



• VIGOR

Plant height (cm)

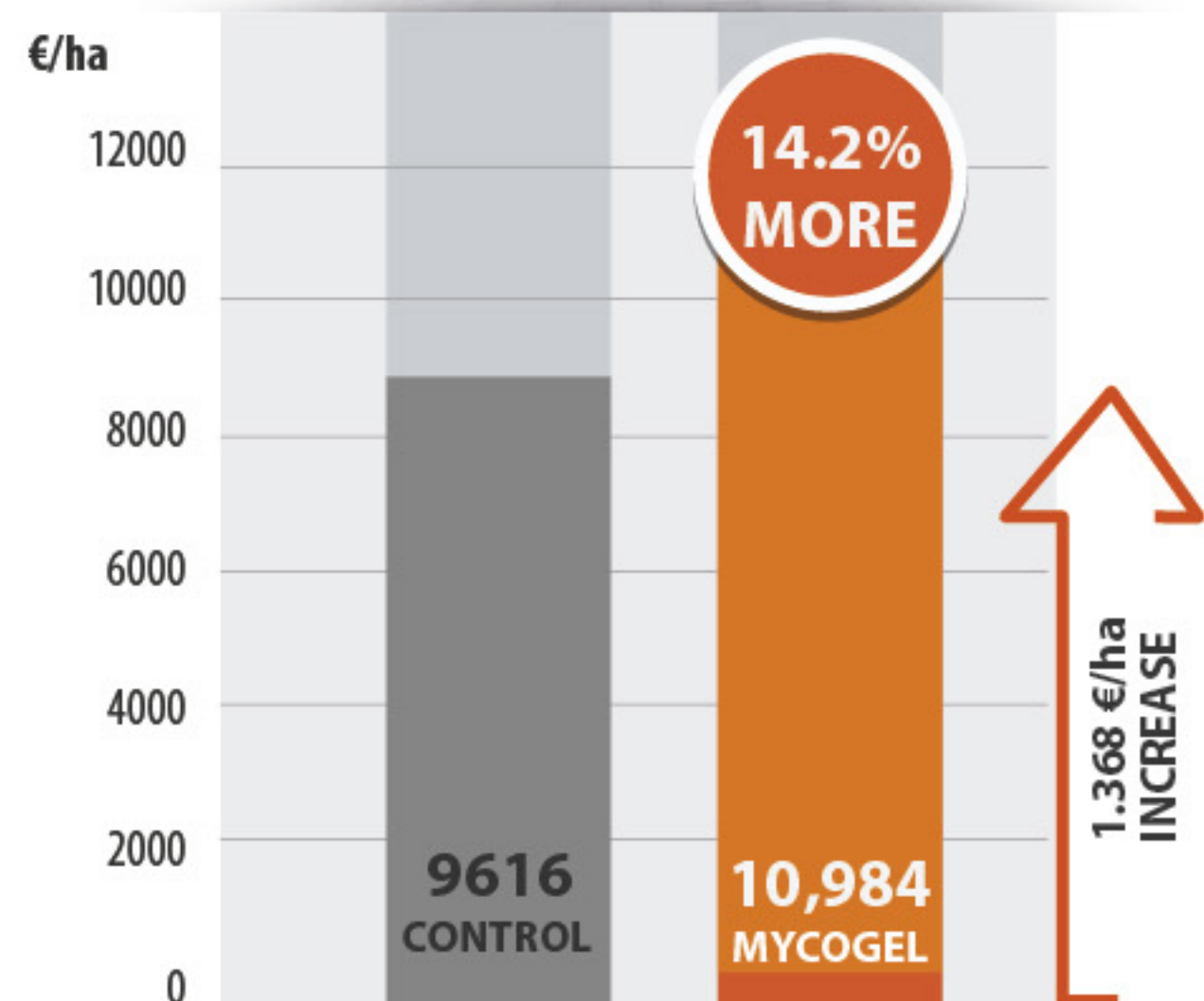


• ECONOMIC YIELD

1st category price kg/potato: 0.26 €/kg
2nd category price kg/potato : 0.15 €/kg
Non-commercial price: 0.06 €/kg

Total Extra Benefits: +1,368 €/ha

PROFIT (€/ha)

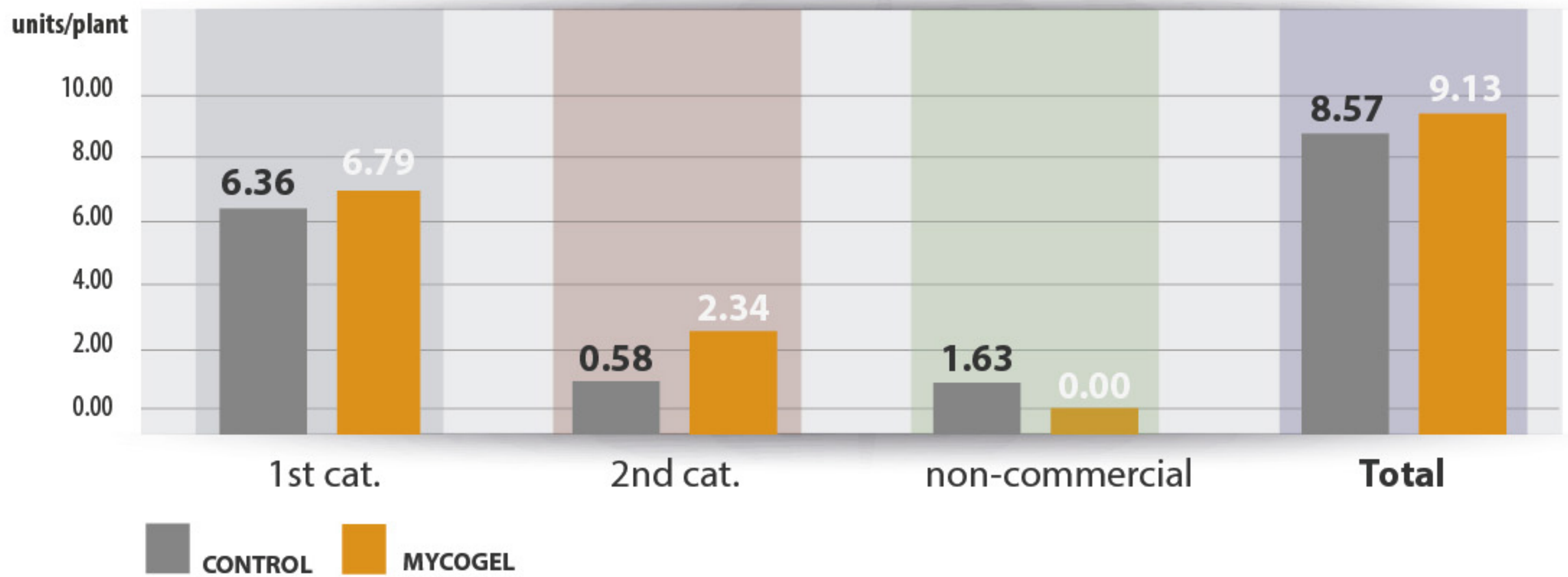




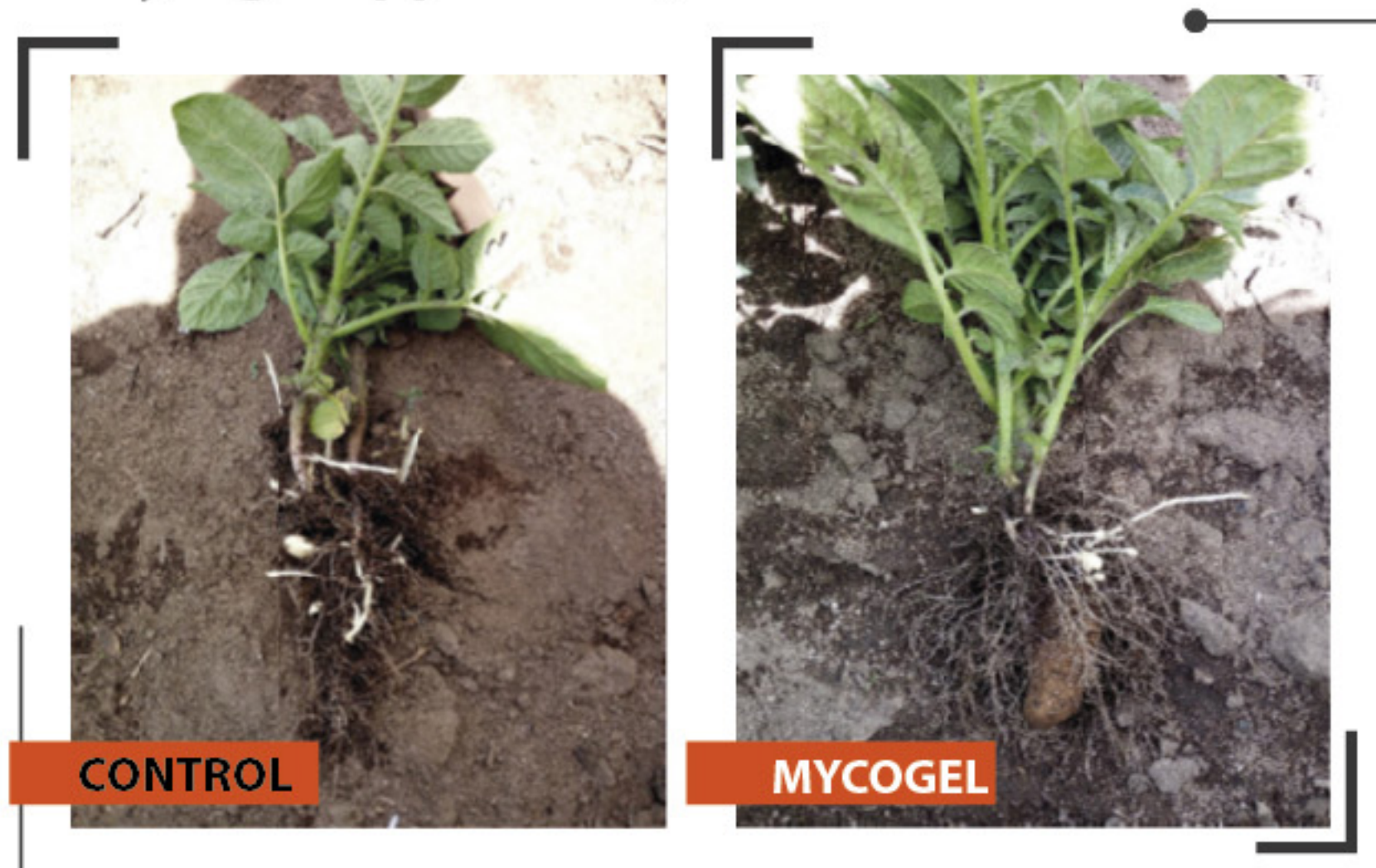
FIELD RESULTS



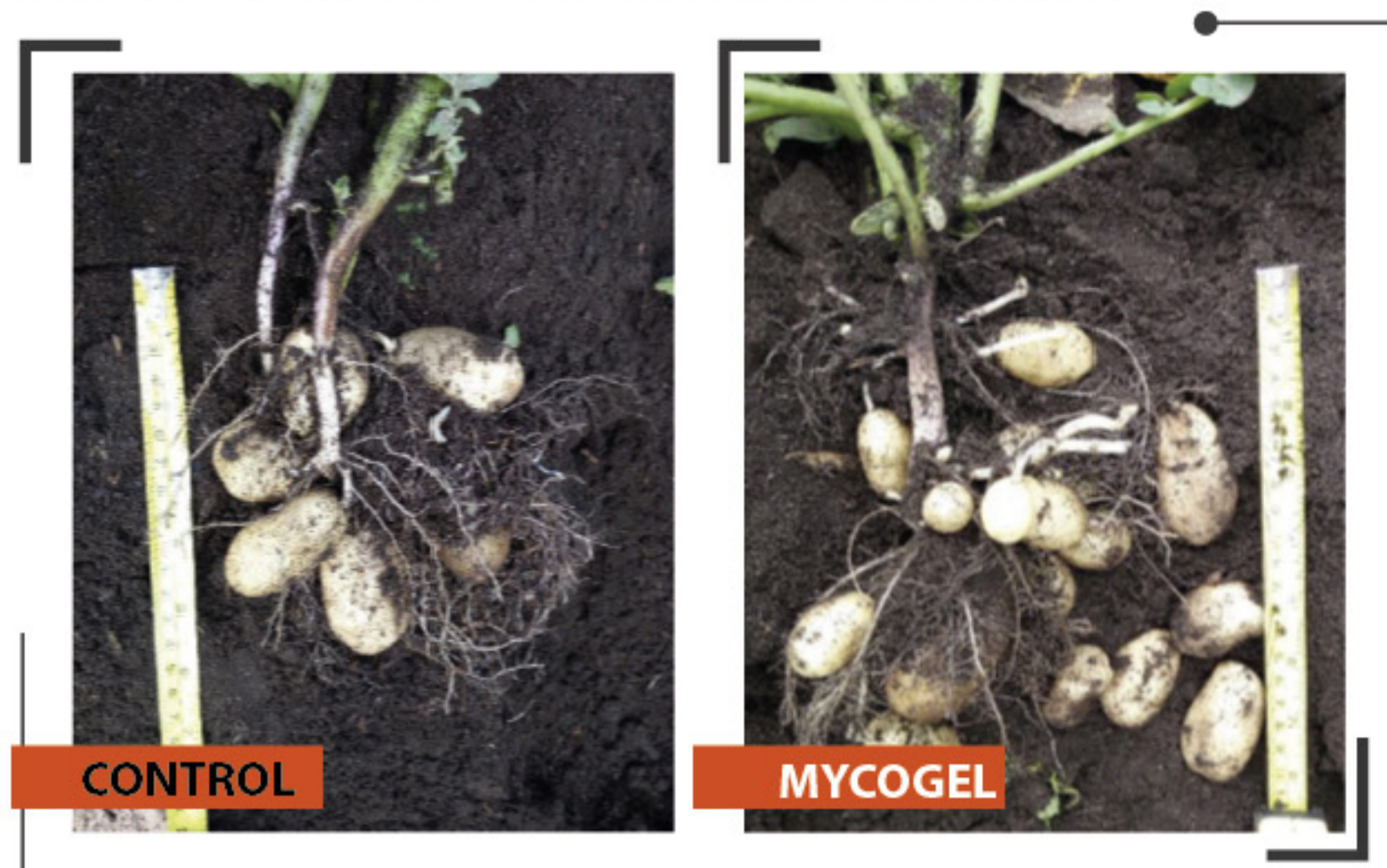
• NUMBER of tubers, units/plant



• ROOT APPEARANCE on June 20th, 2016 (27 days after Mycogel application)



• APPEARANCE OF POTATOES AT TIME OF HARVEST





SUMMARY

Field results

Parameter	Control	Mycogel	DIFFERENCE	Consequences
1st category tuber yield (kg/ha)	34,698	37,672	↑ 8.6%	1. Economics 2. Quality
2nd category tuber yield (kg/ha)	1,983	7,931	↑ 300.0%	1. Economics 2. Quality
Total non-commercial tuber yield (kg/ha)	4,957	0	↓ 100.0%	1. Economics 2. Quality
Total tuber yield (kg/ha)	41,638	45,603	↑ 9.5%	1. Yield 2. Economics
Amount of harvested tubers per plant (units)	8.57	9.13	↑ 6.5%	1. Yield 2. Vigor
Tuber average weight (g)	119.10	122.40	↑ 2.8%	1. Yield 2. Quality
Tuber weight per plant (g)	1,020	1,117	↑ 9.5%	1. Yield
Economic yield (€/ha)	9,616	10,984	↑ 1,368€/ha	1. Economics

• **INCREASES YIELD and QUALITY**

• **GREATER ECONOMIC CROP YIELD**

Trial Design and Data

Crop: Potato (*Solanum tuberosum*) var. Loman.
Location: Santa Irene, San Marcos, Guatemala.
Seeding date: May 1st, 2016.
Harvesting date: October 10th, 2016.
Planting distance: In 0.7x0.35 m ridges (40,816 plants/ha).

DOSE:
MYCOGEL: : 1 L/ha, 05/24/2016, 18 days after emerging an injection with a spray gun next to the stems.
CONTROL: Standard crop management.

Experimental plot area: 928 m²
 464 m² – CONTROL
 464 m² – MYCOGEL