

EVALUATION OF THE NUTRITIONAL EFFICACY OF **BIOFERTILISERS ALM/2 AND ALM/1B** IN GREENHOUSE TOMATO CROPS

CHARACTERISTICS OF THE SYSTEM

- Almería
- Tomato
- Drip irrigation
- Conventional management

CHARACTERISED PARAMETERS

1. Physico-chemical characteristics of solid products and of the applied nutrient solution.
2. Physico-chemical characteristics and enzymatic activities in soil samples from the root zone.
3. Matric potential of the soil in the root zone.
4. Crop yield.
5. Commercial fruit quality: colour, texture and content of soluble solids, macronutrients phenolic compounds, antioxidant activity, organic acids and sugar profile.

EVALUATED SCENARIOS

Number of cases	Treatments	Dose	Unit
1	Control treatment: no soil improvers	0	T/ha
2	Reference treatment: with semi-dry cattle manure input.	4	T/ha
3	Alternative treatment to the reference treatment: compost	15	T/ha
4	Biofertiliser ALM/2	11,5	T/ha
5	Biofertiliser ALM/1B	10,5	T/ha

- 6 months
- 1 application before transplanting the tomato crop



- 5 scenarios: control, reference, local alternative to benchmark, ALM/2 y ALM/1B

CONTROL	MANURE	COMPOST	ALM/2	ALM/1B
Repetition 1 of 30 plants Repetition 2 of 30 plants Repeat 3 of 30 plants Repeat 4 of 30 plants	Repetition 1 of 30 plants Repetition 2 of 30 plants Repeat 3 of 30 plants Repeat 4 of 30 plants	Repetition 1 of 30 plants Repetition 2 of 30 plants Repeat 3 of 30 plants Repeat 4 of 30 plants	Repetition 1 of 30 plants Repetition 2 of 30 plants Repeat 3 of 30 plants Repeat 4 of 30 plants	Repetition 1 of 30 plants Repetition 2 of 30 plants Repeat 3 of 30 plants Repeat 4 of 30 plants