

**Table S1.** Recipes of nutrient solutions used in tomato cultivated in an open soilless system.

Parameters	Saturation	Vegetative stage	Fruiting stage	Corrective recipe	Fruiting stage after corrective recipe	Fruiting stage
	9-5-2019	10-5-2019	25-6-2019	4-7-2019	10-7-2019	17-7-2019
EC dS m ⁻¹	2.90	2.60	2.50	1.60	2.50	2.30
K ⁺ (mmol L ⁻¹)	6.80	7.00	6.80	3.20	7.15	6.00
Ca ²⁺ (mmol L ⁻¹)	6.40	5.10	4.90	3.50	4.80	4.50
Mg ²⁺ (mmol L ⁻¹)	3.00	2.40	2.40	1.40	2.50	2.30
NO ₃ ⁻ (mmol L ⁻¹)	15.50	14.30	14.30	9.00	13.75	13.75
NH ₄ ⁺ (mmol L ⁻¹)	1.10	1.40	1.10	0.65	0.78	0.90
H ₂ PO ₄ ⁻ (mmol L ⁻¹)	1.40	1.50	1.50	1.20	1.40	1.40
Fe (μmol L ⁻¹)	20.00	15.00	15.00	14.00	15.00	15.00
Mn (μmol L ⁻¹)	12.00	10.00	10.00	8.00	10.00	10.00
Zn (μmol L ⁻¹)	6.00	5.00	5.00	5.00	5.00	5.00
Cu (μmol L ⁻¹)	0.80	0.80	0.80	0.60	0.80	0.80
B (μmol L ⁻¹)	40.00	35.00	35.00	20.00	30.00	30.00
Mo (μmol L ⁻¹)	0.50	0.50	0.50	0.50	0.50	0.50
Cl ⁻ (mmol L ⁻¹)	0.30	0.30	0.30	0.30	0.30	0.30