

Basic economics on deficit irrigation and water quality dynamics for horticulture production in a greenhouse environment

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Table S1: Initial chemical and physical characteristics of water and soil.

	Characteristics	GW	RW	MW	Soil
Chemical composition	Ca(mg/L)	41	70	58	3030
	Mg (mg/L)	41	44	43	1070
	Na (mg/L)	229	325	280	80
	K (mg/L)	9	38	24	2020
	B (mg/L)	0.2	0.5	0.4	3.1
	TN (mg/L)	2.1	5.7	2.7	1550
	P (mg/L)	0.1	0.3	0.2	1720
	TC (mg/L)	61	41	46	2.95
	pH	7.1	7.3	7.2	7.35
Physical	EC (dS/m)	1.9	2.1	1.9	1.05
	Texture	n/a	n/a	n/a	80/9/11 (Loamy sand)

Table S2: Details of the experimental design treatments.

Water Quality	Treatment No.	Treatment Name	Irrigation Supply Level	Scenario
GW	1	GW1	100% of FC	Control
GW	2	GW ₁	80% of FC	Test
GW	3	GW ₂	70% of FC	Test
GW	4	GW ₃	60% of FC	Test
RW	5	RW1	100% of FC	Control
RW	6	RW ₁	80% of FC	Test
RW	7	RW ₂	70% of FC	Test
RW	8	RW ₃	60% of FC	Test
MW	9	MW1	100% of FC	Control
MW	10	MW ₁	80% of FC	Test
MW	11	MW ₂	70% of FC	Test
MW	12	MW ₃	60% of FC	Test